

ONLINE ATTENDANCE MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Degree in Computer Science and Engineering

By

S.SENTHAMIZHSELVAN (Reg.No.38290079)

SRIVATHSAN.S (Reg. No. 38290079)



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCHOOL OF COMPUTING**

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

JEPPIAAR NAGAR, RAJIV GANDHI SALAI,

CHENNAI - 600119, TAMIL-NADU

APRIL – 2021



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the Bonafide work of **S.SENTHAMIZHSELVAN** (Reg no 38290079) and **SRIVATHSAN.S** (Reg no 38290089) who have done the project work as a team who carried out the project entitled “**ONLINE ATTENDENCE MANAGEMENT SYSTEM**” under my supervision from November 2019 to April 2020.

Internal Guide

Dr. J. ALBERT MAYAN, M.E., Ph.D.,

Head of the Department

Submitted for Viva voce Examination held on_____

Internal Examiner

External Examiner

DECLARATION

I, **S.SENTHAMIZHSELVAN** hereby declare that the project report entitled **ONLINE ATTENDANCE MANAGEMENT SYSTEM** done by me under the guidance of **M.SELVI** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in Computer Science and Engineering.

DATE:

PLACE: CHENNAI

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. SASIKALA, M.E., Ph.D., Dean**, School of Computing and **Dr. S. VIGNESHWARI, M.E., Ph.D., and Dr. L. LAKSHMANAN, M.E., Ph.D., Head of the Department**, Department of Computer Science and Engineering for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **M.Selvi** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Computer Science and Engineering** who were helpful in many ways For the Completion of the project.

ABSTRACT:

Student attendance management system deal with the maintenance of the student's attendance details. It is generates the attendance of the student on basis of presence in class. It is maintaining daily basis of attendance, the staff will be provide with the separate username and password to make student attendance. The staff handling the particular subject to responsible to make the attendance for all students. Only if the student presents the particular date, the attendance will be calculated. The student attendance report based on monthly and consolidate will be generated.

CHAPTER 1:

INTRODUCTION:

INTRODUCTION

Attendance Management System is software developed for daily student attendance in schools, colleges and institutes. It facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. This system will also help in evaluating attendance eligibility criteria of a student.

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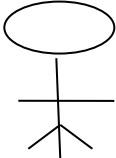
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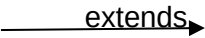
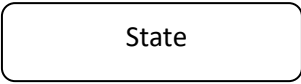
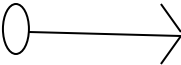
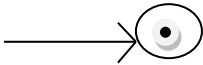
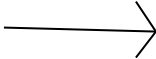
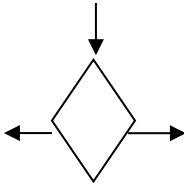
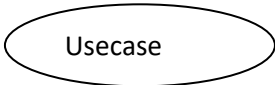
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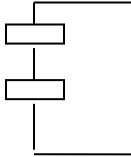
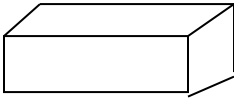
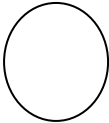
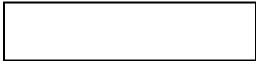
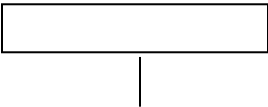
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LIST OF SYMBOLS

S.NO	NOTATION NAME	NOTATION	DESCRIPTION
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1.	Class	+ public - private Class Name - attribute - attribute	Represents a collection of similar entities grouped together.
2.	Association	Class A — NAME — Class B —	Associations represents static relationships between classes. Roles represents the way the two classes see each other.
3.	Actor		It aggregates several classes into a single classes.
5.	Aggregation	Class A Class B Class B	Interaction between the system and external environment

5.	Relation (uses)	uses	Used for additional process communication.
6.	Relation (extends)		Extends relationship is used when one use case is similar to another use case but does a bit more.
7.	Communication		Communication between various use cases.
8.	State		State of the processs.
9.	Initial State		Initial state of the object
10.	Final state		F inal state of the object
11.	Control flow		Represents various control flow between the states.
12.	Decision box		Represents decision making process from a constraint
13.	Usecase		Interact ion between the system and external

			environment.
14.	Component		Represents physical modules which is a collection of components.
15.	Node		Represents physical modules which are a collection of components.
16.	Data Process/State		A circle in DFD represents a state or process which has been triggered due to some event or action.
17.	External entity		Represents external entities such as keyboard, sensors, etc.
18.	Transition		Represents communication that occurs between processes.
19.	Object Lifeline		Represents the vertical dimensions that the object communications.
20.	Message	Message 	Represents the message exchanged.

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LIST OF ABBREVIATION

S.NO	ABBREVIATION	EXPANSION
1.	DB	Database
2.	JVM	Java Virtual Machine
3.	JSP	Java Server Page
4.	CB	Collective Behavior
5.	SD	Social Dimension
6.	JRE	Java Runtime Environment
7.	SSD	Sparse Social Dimension
8.	LGP	Line Graph Partition

SCOPE OF THE PROJECT:

The scope of the project is the system on which the software is installed, i.e. the project is developed as a web application, and it will work for a particular institute. But later on the project can be modified to operate it online.

CHAPTER 2

2.1 GENERAL

In this project contemporary writing on cloud asset distribution is generally centered on considering the associations among clients and cloud directors. All things considered, the ongoing development in the clients' requests and the rise of private cloud suppliers (CPs) lure the cloud chiefs to lease additional assets from the CPs in order to deal with their accumulated errands and pull in more clients. This additionally renders the cooperation's between the cloud directors and the CPs a significant issue to examine. In this paper, we examine the two collaborations through a two-arrange sell off component.

MODULES:

- **Administrator**
- **Staff**

MODULE DESCRIPTION:

MODULES:

➤ Administrator

(i) Administrator

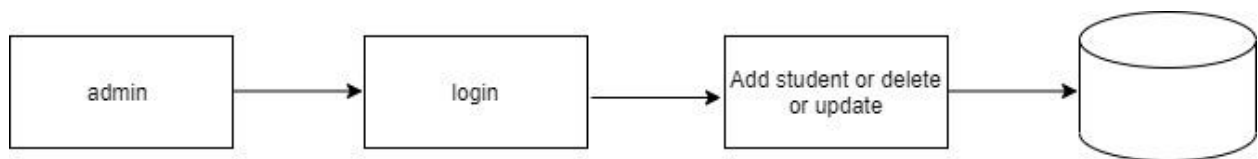
Administrator have rights to manage student details, add a new student, provide register number for all students, assign each student a course etc., Administrator can update his profile, and also can give help to the teachers and students.

(ii) Staff

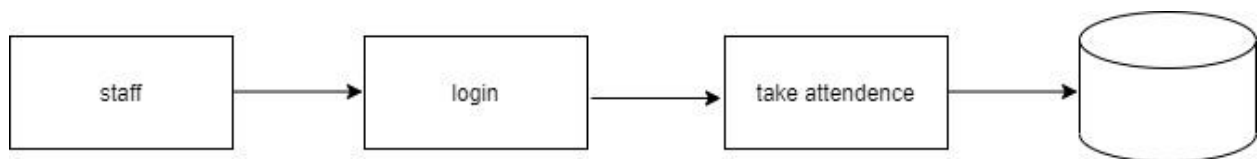
Teacher:-Add student, view the student details and take attendance student.

MODULE DIAGRAMS:

Administrator



(iii) Staff



SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS

PROCESSOR : INTEL CORE I9-9980XE

RAM : 4 GB DD RAM

MONITOR : 15" COLOR

HARD DISK : 250 GB

SOFTWARE REQUIREMENTS

FRONT END : J2EE (JSP, SERVLETS)

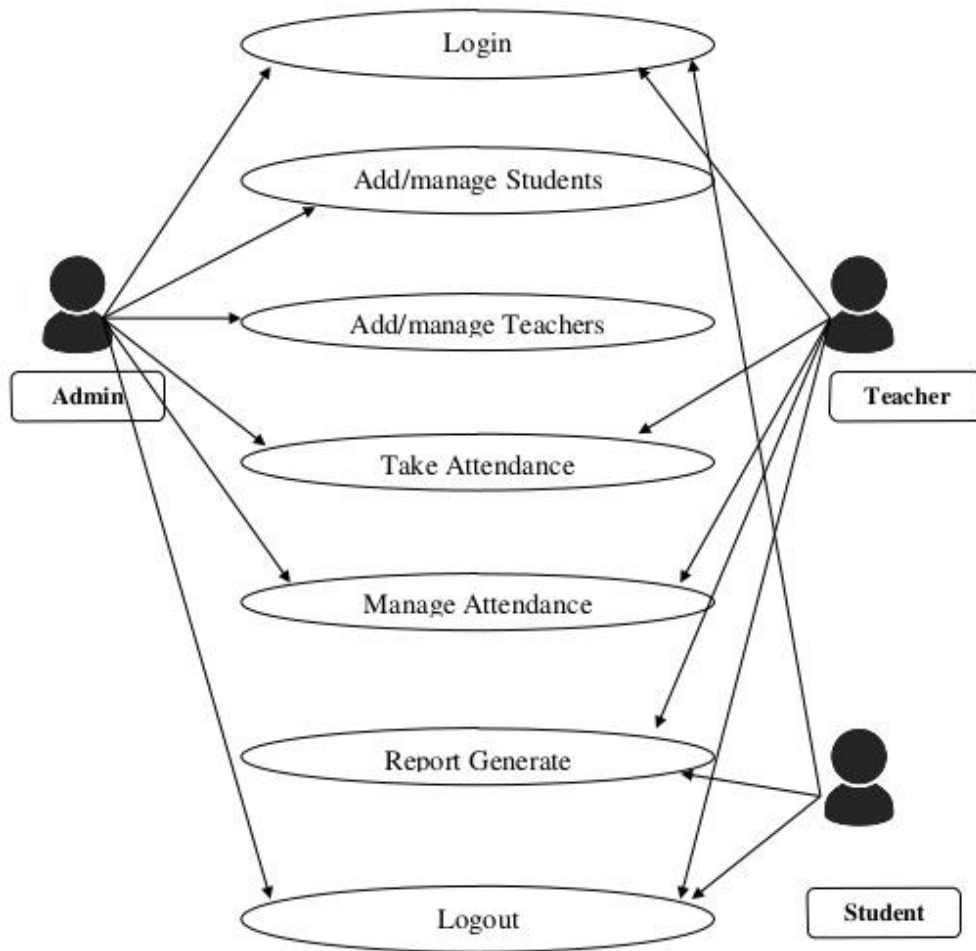
BACK END : MY SQL 5.5

OPERATING SYSTEM : WINDOWS 07

IDE : ECLIPSE

Use Case Diagram:

Use Case Diagram:-



EXPLANATION:

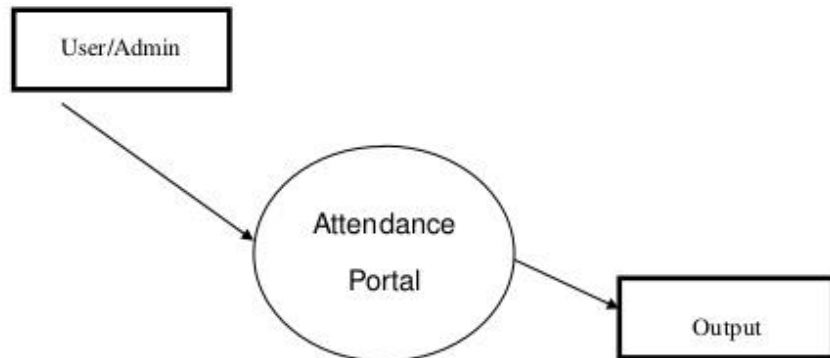
A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. In this context, the term "system" refers to something being developed or operated, such as a mail-order product sales and service Web site. Use case diagrams are employed in UML (Unified Modeling Language), a standard notation for the modeling of real-world objects and systems.

Data Flow Diagram:**LEVEL1:**

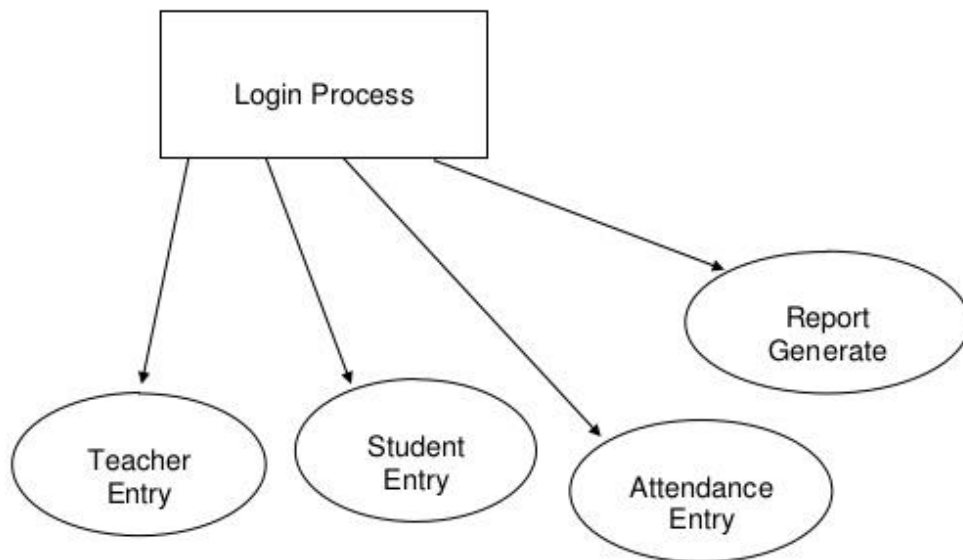
Chapter 6: Design

6.1 Data Flow Diagram:-

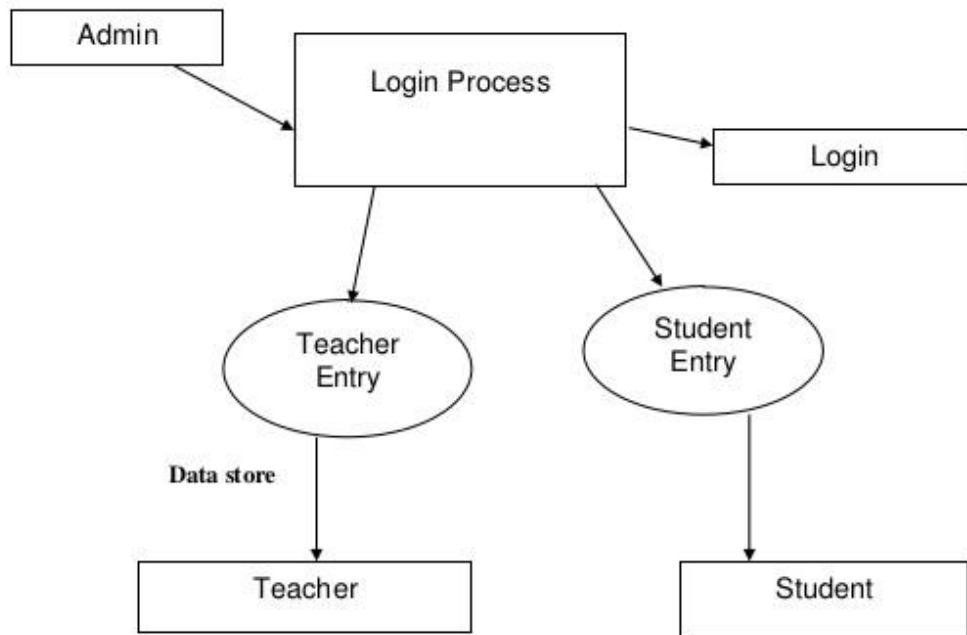
6.1 0-level DFD



6.1.1-level DFD



6.1.2-level DFD

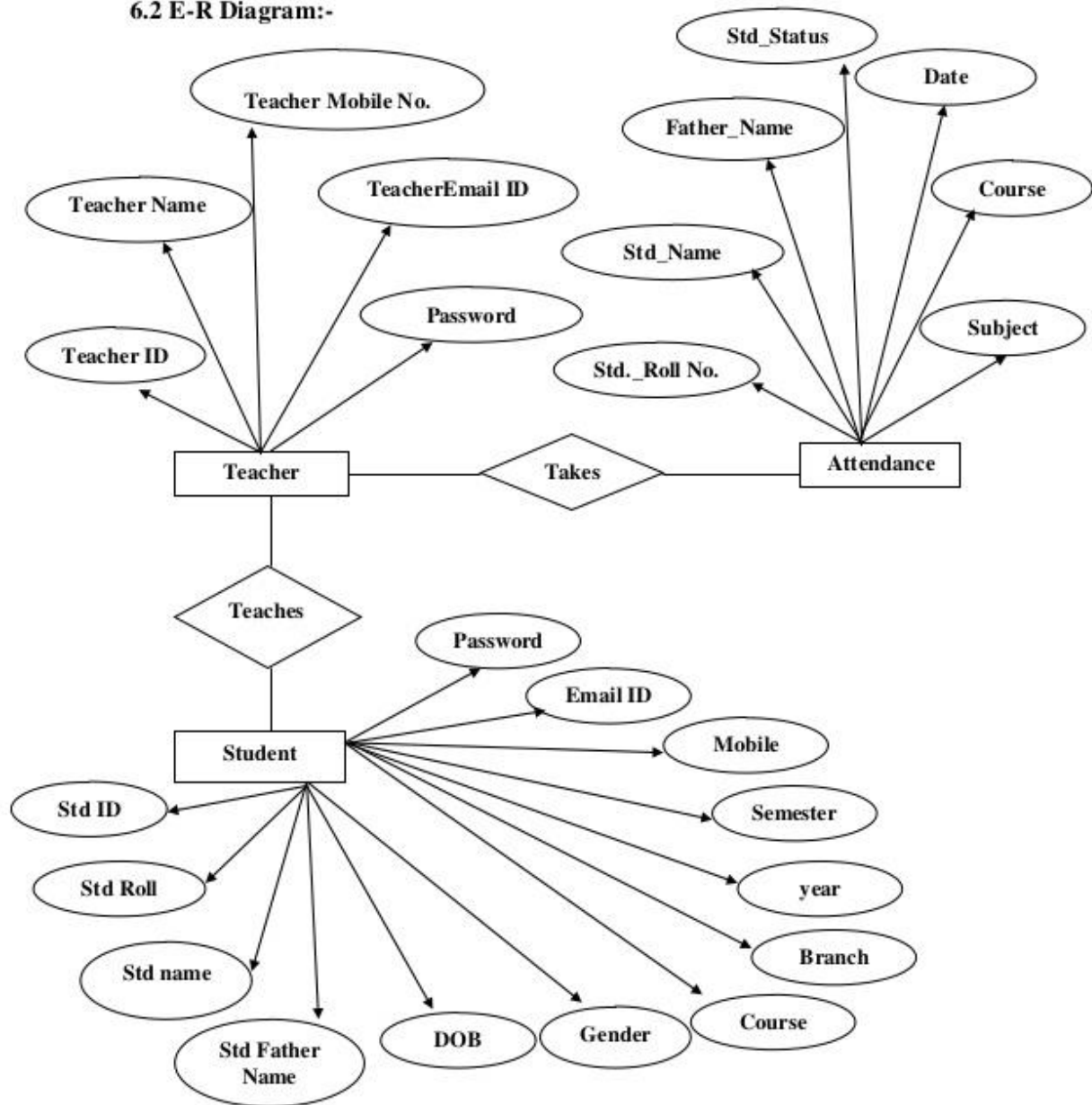


EXPLANATION:

A data-flow diagram (DFD) is a way of representing a flow of a data of a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow; there are no decision rules and no loops. Specific operations based on the data can be represented by a flowchart.

E-R Diagram:

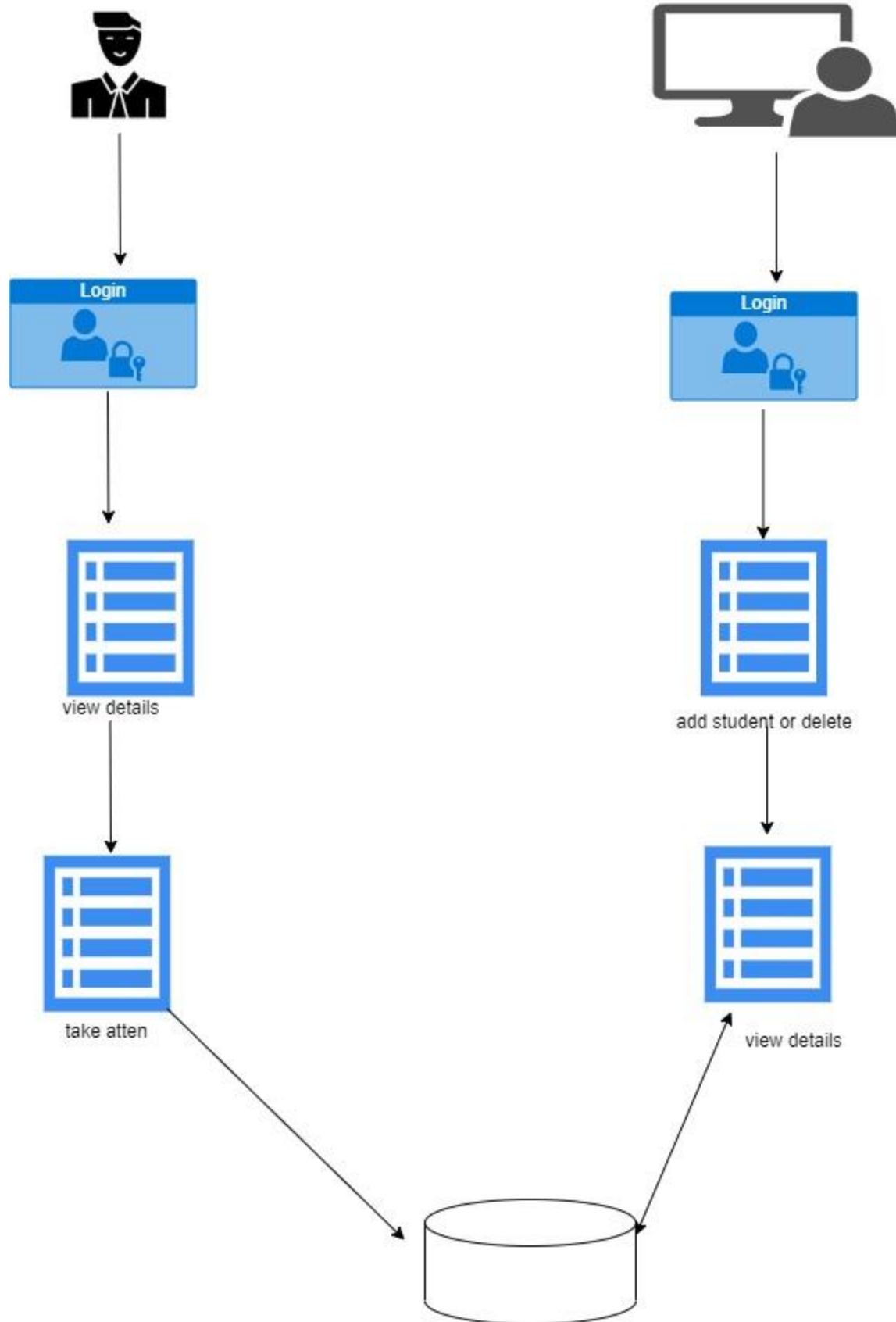
6.2 E-R Diagram:-



EXPLANATION:

An entity-relationship diagram (ERD) is a data modeling technique that graphically illustrates an information system's entities and the relationships between those entities. An ERD is a conceptual and representational model of data used to represent the entity framework infrastructure. For each data flow, at least one of the endpoints (source and / or destination) must exist in a process. The refined representation of a process can be done in another data-flow diagram, which subdivides this process into sub-processes.

SYSTEM ARCHITECTURE:



EXPLANATION:

System architecture is the conceptual model that defines the structure, behavior, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system. A system architecture can consist of system components and the sub-systems developed, that will work together to implement the overall system. There have been efforts to formalize languages to describe system architecture; collectively these are called architecture description languages.

FUTURE ENHANCEMENT:

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner.

CONCLUSION:

The system has reached a steady state where all bugs have been eliminated. The system is operated at a high level of efficiency and all the teachers and user associated with the system understands its advantage.

The system solves the problem. It was intended to solve as requirement specification

CHAPTER 5

DEVELOPMENT TOOLS

5.1 GENERAL

This chapter is about the software language and the tools used in the development of the project. The platform used here is JAVA.

5.2 FEATURES OF JAVA

5.2.1 THE JAVA FRAMEWORK

Java is a programming language originally developed by James Gosling at Sun Microsystems and released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its syntax from C and C++ but has a simpler object model and fewer low-level facilities. Java applications are typically compiled to byte code that can run on any Java Virtual Machine (JVM) regardless of computer architecture. Java is general-purpose, concurrent, class-based, and object-oriented, and is specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere".

Java is considered by many as one of the most influential programming languages of the 20th century, and is widely used from application software to web applications. The Java framework is a new platform independent that simplifies application development. Internet Java technology's versatility, efficiency, platform portability, and security make it the ideal technology for network computing. From

laptops to datacenters, game consoles to scientific supercomputers, cell phones to the Internet, Java is everywhere!

5.2.2 OBJECTIVES OF JAVA

To see places of Java in Action in our daily life, explore java.com.

Why Software Developers Choose Java

Java has been tested, refined, extended, and proven by a dedicated community. And numbering more than 6.5 million developers, it's the largest and most active on the planet. With its versatility, efficiency, and portability, Java has become invaluable to developers by enabling them to:

- Write software on one platform and run it on virtually any other platform
- Create programs to run within a Web browser and Web services
- Develop server-side applications for online forums, stores, polls, HTML forms processing, and more
- Combine applications or services using the Java language to create highly customized applications or services
- Write powerful and efficient applications for mobile phones, remote processors, low-cost consumer products, and practically any other device with a digital heartbeat

Some Ways Software Developers Learn Java

- Today, many colleges and universities offer courses in programming for the Java platform. In addition, developers can also enhance their Java programming skills by reading Sun's java.sun.com Web site, subscribing to Java technology-focused newsletters, using the Java Tutorial and the New to Java Programming Center, and signing up for Web, virtual, or instructor-led courses.

OBJECT ORIENTED

To be an Object Oriented language, any language must follow at least the four characteristics.

1. Inheritance : It is the process of creating the new classes and using the behavior of the existing classes by extending them just to reuse the existing code and adding additional features as needed.
2. Encapsulation: It is the mechanism of combining the information and providing the abstraction.
3. Polymorphism: As the name suggests one name multiple form, Polymorphism is the way of providing the different functionality by the functions having the same name based on the signatures of the methods.
4. Dynamic binding: Sometimes we don't have the knowledge of objects about their specific types while writing our code. It is the way of providing the maximum functionality to a program about the specific type at runtime.

JAVASERVER PAGES - AN OVERVIEW

Java Server Pages or JSP for short is Sun's solution for developing dynamic web sites. JSP provides excellent server side scripting support for creating database driven web applications. JSP enables the developers to directly insert Java code into JSP files, this makes the development process very simple and its maintenance also becomes very easy.

JSP pages are efficient, it loads into the web server's memory on receiving the request very first time and the subsequent calls are served within a very short period of time.

In today's environment most web sites servers dynamic pages based on user request. Database is a very convenient way to store the data of users and other things. JDBC provides excellent database connectivity in heterogeneous database environment. Using JSP and JDBC it's very easy to develop database driven web application.

Java is known for its characteristic of "write once, run anywhere." JSP pages are platform independent.

Java Server Pages (JSP) technology is the Java platform technology for delivering dynamic content to web clients in a portable, secure and well-defined way. The JavaServer Pages specification extends the Java Servlet API to provide web application developers with a robust framework for creating dynamic web content on the

server using HTML, and XML templates, and Java code, which is secure, fast, and independent of server platforms.

JSP has been built on top of the Servlet API and utilizes Servlet semantics. JSP has become the preferred request handler and response mechanism. Although JSP technology is going to be a powerful successor to basic Servlets, they have an evolutionary relationship and can be used in a cooperative and complementary manner.

Servlets are powerful and sometimes they are a bit cumbersome when it comes to generating complex HTML. Most servlets contain a little code that handles application logic and a lot more code that handles output formatting. This can make it difficult to separate and reuse portions of the code when a different output format is needed. For these reasons, web application developers turn towards JSP as their preferred servlet environment.

4 EVOLUTION OF WEB APPLICATIONS

Over the last few years, web server applications have evolved from static to dynamic applications. This evolution became necessary due to some deficiencies in earlier web site design. For example, to put more of business processes on the web, whether in business-to-consumer (B2C) or business-to-business (B2B) markets, conventional web site design technologies are not enough. The main issues, every developer faces when developing web applications, are:

1. Scalability - a successful site will have more users and as the number of users is increasing fastly, the web applications have to scale correspondingly.
2. Integration of data and business logic - the web is just another way to conduct business, and so it should be able to use the same middle-tier and data-access code.
3. Manageability - web sites just keep getting bigger and we need some viable mechanism to manage the ever-increasing content and its interaction with business systems.
4. Personalization - adding a personal touch to the web page becomes an essential factor to keep our customer coming back again. Knowing their preferences, allowing them to configure the information they view, remembering their past transactions or frequent search keywords are all important in providing feedback and interaction from what is otherwise a fairly one-sided conversation.

Apart from these general needs for a business-oriented web site, the necessity for new technologies to create robust, dynamic and compact server-side web applications has been realized. The main characteristics of today's dynamic web server applications are as follows:

1. Serve HTML and XML, and stream data to the web client
2. Separate presentation, logic and data
- 3 .Interface to databases, other Java applications, CORBA, directory and mail services
4. Make use of application server middleware to provide transactional support.
5. Track client sessions.

5 BENEFITS OF JSP

One of the main reasons why the Java Server Pages technology has evolved into what it is today and it is still evolving is the overwhelming technical need to simplify application design by separating dynamic content from static template display data. Another benefit of utilizing JSP is that it allows to more cleanly separating the roles of web application/HTML designer from a software developer. The JSP technology is blessed with a number of exciting benefits, which are chronicled as follows:

1. The JSP technology is platform independent, in its dynamic web pages, its web servers, and its underlying server components. That is, JSP pages perform perfectly without any hassle on any platform, run on any web server, and web-enabled application server. The JSP pages can be accessed from any web server.

2. The JSP technology emphasizes the use of reusable components. These components can be combined or manipulated towards developing more purposeful components and page design. This definitely reduces development time apart from the At development time, JSPs are very different from Servlets, however, they are precompiled into Servlets at run time and executed by a JSP engine which is installed on a Web-enabled application server such as BEA Web Logic and IBM Web Sphere.

SERVLETS

Earlier in client- server computing, each application had its own client program and it worked as a user interface and need to be installed on each user's personal

computer. Most web applications use HTML/XHTML that is mostly supported by all the browsers and web pages are displayed to the client as static documents.

A web page can merely displays static content and it also lets the user navigate through the content, but a web application provides a more interactive experience.

Any computer running Servlets or JSP needs to have a container. A container is nothing but a piece of software responsible for loading, executing and unloading the Servlets and JSP. While servlets can be used to extend the functionality of any Java-enabled server.

They are mostly used to extend web servers, and are efficient replacement for CGI scripts. CGI was one of the earliest and most prominent server side dynamic content solutions, so before going forward it is very important to know the difference between CGI and the Servlets.

5.4 JAVA SERVLETS

Java Servlet is a generic server extension that means a java class can be loaded dynamically to expand the functionality of a server. Servlets are used with web servers and run inside a Java Virtual Machine (JVM) on the server so these are safe and portable.

Unlike applets they do not require support for java in the web browser. Unlike CGI, servlets don't use multiple processes to handle separate request. Servlets can be handled by separate threads within the same process. Servlets are also portable and platform independent.

A web server is the combination of computer and the program installed on it. Web server interacts with the client through a web browser. It delivers the web pages to the client and to an application by using the web browser and the HTTP protocols respectively.

The define the web server as the package of large number of programs installed on a computer connected to Internet or intranet for downloading the requested files using File Transfer Protocol, serving e-mail and building and publishing web pages. A web server works on a client server model.

CHAPTER 6

IMPLEMENTATION

6.1 GENERAL

In this we implement the coding part using eclipse. Below are the coding's that are used to apply for the various schemes available.

6.2 Data Integration Techniques

OWNER REGISTRATION:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="utf-8">

                                <title>RegistrationForm
_v1 by Colorlib</title>

                                <meta
name="viewport" content="width=device-width, initial-scale=1.0">

                                <link    rel="stylesheet"
href="fonts1/material-design-iconic-font/css/material-design-iconic-
font.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scri
pt>
```

href="css1/style.css">

<link rel="stylesheet"

<script>

d").validate({

\$("#formCheckPasswor

true,

rules: {

password: {

required:

6,

minlength:

10,

maxlength:

},

cfmPassword: {

equalTo:

"#pass",

minlength:

6,

maxlength:

10

}

```
        },
        messages:{
            password: {
                required:"the
password is required"
            }
        }
    });
</script>
</head>
<body>
    <div    class="wrapper"
style="background-image: url('images/GatorEyes.jpg');">
        <div
class="inner">
            <div
class="image-holder">
                
            </div>
```

```
<form
action="OwnerRegister" method="post" >

<h3>Registration
Form</h3>

<div
class="form-wrapper">

<input      type="text"
placeholder="Username" name="Username" class="form-control">

<i  class="zmdi zmdi-
account"></i>

</div>

<div
class="form-wrapper">

<input      type="text"
placeholder="Email Address" class="form-control" name="mail">

<i  class="zmdi zmdi-
email"></i>

</div>
```

```
class="form-wrapper">
```

```
id="" class="form-control">
```

```
disabled selected>Gender</option>
```

```
>Male</option>
```

```
>Female</option>
```

```
>Other</option>
```

```
caret-down" style="font-size: 17px"></i>
```

```
class="form-wrapper">
```

```
<div
```

```
<select      name="gen"
```

```
<option      value=""
```

```
<option
```

```
<option
```

```
<option
```

```
</select>
```

```
<i  class="zmdi  zmdi-
```

```
</div>
```

```
<div
```

```

<input type="tel"
name="phno" placeholder="Phone Number" class="form-control"
minlength="10" maxlength="10" required>

```

```

<i class="zmdi zmdi-
phone"></i>

```

```

</div>

```

```

<div
class="form-wrapper">

```

```

<input type="password"
placeholder="Password" name="pass" class="form-control">

```

```

<i class="zmdi zmdi-
lock"></i>

```

```

</div>

```

```

<div
class="form-wrapper">

```

```

<input type="password"
placeholder="Confirm Password" name="cpass" class="form-control">

```

```

<i class="zmdi zmdi-
lock"></i>

```

```

</div>

<button>Register

<i class="zmdi zmdi-
arrow-right"></i>

</button>

<div
class="form-wrapper">

<h2 class="signup" style="font-size:20px;font-family:Times New
Roman">Already have account yet? <a href="Ownerlogin.jsp"
class="signuplink" style="color:#cc0000">LOGIN</a></h2>

</div>

</form>

</div>

</div>

</body>

</html>

```

OWNERLOGIN:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
```

```
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Bootstrap Sign in Form with Facebook and Twitter Buttons</title>
<link                                rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.c
ss">
<link    rel="stylesheet"    href="https://maxcdn.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></scr
ipt>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js">
</script>
<style>

                                body {
                                    color:#02d7f7;
                                    background: #5433ff;
                                    font-family:    'Roboto',
                                sans-serif;
                                }
```

```

        .login-form {
            width: 385px;
            margin: 30px auto;
        }

        .login-form form {

            background: #f7f7f7;
            box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
            padding: 30px;
        }

        .login-form h2 {
            margin: 0 0 15px;
        }

        .form-control, .login-btn {
            min-height: 38px;
            border-radius: 2px;
        }

        .input-group-addon .fa {
            font-size: 18px;
        }

        .login-btn {
            font-size: 15px;
            font-weight: bold;
        }

        .social-btn .btn {
            border: none;

            margin: 10px 3px 0;

```

```

        opacity: 1;
    }

    .social-btn .btn:hover {
        opacity: 0.9;
    }

    .social-btn .btn-primary
{
    background: #507cc0;
}

    .social-btn .btn-info {
        background: #64ccf1;
    }

    .social-btn .btn-danger {
        background: #df4930;
    }

    .or-seperator {
        margin-top: 20px;
        text-align: center;
        border-top: 1px solid #ccc;
    }

    .or-seperator i {
        padding: 0 10px;
        background: #f7f7f7;
        position: relative;
        top: -11px;
        z-index: 1;
    }

```

```

</style>
</head>
<body>
<div class="login-form">
  <form action="OwnerLogin" method="post">
    <h2 class="text-center" style="color:#2193b0">Sign in</h2>
    <div class="form-group">
      <div class="input-
group">
        <span class="input-group-addon"><i class="fa fa-
user"></i></span>
        <input type="text" class="form-control" name="username"
placeholder="Username" required="required">
      </div>
    </div>
    <div class="form-
group">
      <div class="input-group">
        <span class="input-group-addon"><i class="fa fa-
lock"></i></span>
        <input type="password" class="form-control" name="password"
placeholder="Password" required="required">
      </div>
    </div>
    <div class="form-group">
      <button type="submit" class="btn btn-primary login-btn btn-
block">Sign in</button>

```

```
</div>
<div class="clearfix">
    <label class="pull-left checkbox-inline"><input type="checkbox"
style="color:blue"> Remember me</label>
    <a href="#" class="pull-right">Forgot Password?</a>
</div>

<p class="text-center text-muted small">Don't have an account? <a
href="OwnerRegister.jsp">Sign up here!</a></p>
</form>
```

```
</div>
</body>
</html>
```

```
OWNERVIEW: <%@ page language="java" contentType="text/html;
charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=Edge">
    <meta name="description" content="">
    <meta name="keywords" content="">
    <meta name="author" content="">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">
```

```
<link rel="stylesheet" href="css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/aos.css">
```

```
<!-- MAIN CSS -->
```

```
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<!--
```

```
Tooplate 2119 Gymso Fitness
```

```
https://www.tooplate.com/view/2119-gymso-fitness
```

```
-->
```

```
</head>
```

```
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
```

```
<%
```

```
String email=request.getSession().getAttribute("email").toString();
```

```
System.out.println("email-----"+email);
```

```
%>
```

```
<!-- MENU BAR -->
```

```
<nav class="navbar navbar-expand-lg fixed-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="index.html"> Public-Key  
Encryption</a>
```

```
<button class="navbar-toggler" type="button" data-  
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"  
aria-expanded="false"
```

```
aria-label="Toggle navigation">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">
```

```
<ul class="navbar-nav ml-lg-auto">
```

```
<li class="nav-item">
```

```
<a href="#home" class="nav-link smoothScroll">Home</a>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a href="Fileupload.jsp" class="nav-link smoothScroll">FILE  
UPLOAD</a>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a href="OwnerFileView.jsp" class="nav-link  
smoothScroll">VIEW FILES</a>
```

```
</li>
```

```
<li class="nav-item">
```

```
                <a href="#schedule" class="nav-link smoothScroll">VIEW  
USER</a>
```

```
            </li>
```

```
        <li class="nav-item">
```

```
            <a href="#contact" class="nav-link  
smoothScroll">LOGOUT</a>
```

```
        </li>
```

```
    </ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

```
<script src="js/aos.js"></script>
```

```
<script src="js/smoothscroll.js"></script>
```

```
<script src="js/custom.js"></script>
```

```
</body>
```

```
</html>
```

OWNERFILEVIEW:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
```

```
    pageEncoding="ISO-8859-1"%>
    <%@ page import="java.util.*" %>
    <%@ page import="java.sql.*" %>
    <%@ page import="Database.database;" %>
    <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
    <html>
    <head>
    <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=Edge">
        <meta name="description" content="">
        <meta name="keywords" content="">
        <meta name="author" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

        <link rel="stylesheet" href="css/bootstrap.min.css">
        <link rel="stylesheet" href="css/font-awesome.min.css">
        <link rel="stylesheet" href="css/aos.css">

        <!-- MAIN CSS -->
        <link rel="stylesheet" href="css1/tooplate-gymso-style.css">

        <script src="js/jquery.min.js"></script>
        <script src="js/bootstrap.min.js"></script>
        <script src="js/aos.js"></script>
```

```
<script src="js/smoothscroll.js"></script>
<script src="js/custom.js"></script>
<style>
table {
  width:100%;
  margin-top: 70px;
}
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
  font-family:Imprint MT Shadow;
}
th, td {
  padding: 5px;
  text-align: left;
}
table#t01 tr:nth-child(even) {
  background-color: #eee;
}
table#t01 tr:nth-child(odd) {
  background-color:#fff;
}
table#t01 th {
  background-color: #03fce3;
  color: #cc00ff;
}
</style>
```

```

</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
<%
    String email=request.getSession().getAttribute("email").toString();

    System.out.println("email-----"+email);

    %>
<!-- MENU BAR -->
<nav class="navbar navbar-expand-lg fixed-top">
    <div class="container">

        <a    class="navbar-brand"    href="index.html">    Public-Key
Encryption</a>

        <button    class="navbar-toggler"    type="button"    data-
toggle="collapse"    data-target="#navbarNav"    aria-controls="navbarNav"
aria-expanded="false"
        aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ml-lg-auto">
            <li class="nav-item">

```

```
        <a href="#home" class="nav-link smoothScroll">Home</a>
    </li>
```

```
    <li class="nav-item">
        <a href="Fileupload.jsp" class="nav-link smoothScroll">FILE
UPLOAD</a>
    </li>
```

```
    <li class="nav-item">
        <a href="#class" class="nav-link smoothScroll">VIEW
FILES</a>
    </li>
```

```
    <li class="nav-item">
        <a href="#schedule" class="nav-link smoothScroll">VIEW
USER</a>
    </li>
```

```
    <li class="nav-item">
        <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
    </li>
</ul>
```

```
</div>
```

```
</div>
```

</nav>

<table id="t01" style=" margin-top: 30px;">

<h1 style="font-size: 30px;">CLOUD STORAGE</h1>

<tr style="font-size: 30px;">

<th style="text-align: center;">USERNAME</th>

<th style="text-align: center;">FILENAME</th>

<th style="text-align: center;">FILETYPE</th>

<th style="text-align: center;">FILESIZE</th>

<th style="text-align: center;">FILE KEY</th>

<th style="text-align: center;">CSP KEY</th>

</tr>

<%

Connection con;

con=database.create();

PreparedStatement ps=con.prepareStatement("SELECT * FROM
`itjcc06`.`fileupload` where omail='"+email+"'");

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next())
```

```
{
```

```
rs.getString(9);
```

String filename=

```
rs.getString(2);
```

String filename=

```
filetype=rs.getString(3);
```

String

```
rs.getString(4);
```

String filesize=

```
filekey=rs.getString(5);
```

String

```
cspkey=rs.getString(6);
```

String

```
%>
```

```
<tr>
```

```
<td style="text-align: center;"><%=rs.getString(9)%></td>
```

```
<td style="text-align: center;"><%= filename %></td>
<td style="text-align: center;"><%= rs.getString(3) %></td>
<td style="text-align: center;"><%= rs.getString(4) %></td>
<td style="text-align: center;"><%= rs.getString(5) %></td>
<td style="text-align: center;"><%= rs.getString(6) %></td>

</tr>
```

```
<%} %>
</table>
```

```
</body>
</html>
```

FILEUPLOAD:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ page import="java.util.*" %>
    <%@ page import="javax.servlet.http.HttpSession" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
```

```

<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Bootstrap Sign in Form with Facebook and Twitter Buttons</title>
<link
                                rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.c
ss">
<link    rel="stylesheet"    href="https://maxcdn.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></scr
ipt>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js">
</script>
<style>

                                body {
                                    color:#02d7f7;
                                    background:    linear-
gradient(to right, #22c1c3, #fdbb2d);
                                    font-family:    'Roboto',
sans-serif;
                                }
                                .login-form {
                                    width: 385px;
                                    margin: 30px auto;
                                }

```

```

.login-form form {
    margin-bottom: 15px;
    background: #f7f7f7;
    box-shadow: 0px 2px 2px rgba(0, 0, 0, 0.3);
    padding: 30px;
}
.login-form h2 {
    margin: 0 0 15px;
}
.form-control, .login-btn {
    min-height: 38px;
    border-radius: 2px;
}
.input-group-addon .fa {
    font-size: 18px;
}
.login-btn {
    font-size: 15px;
    font-weight: bold;
}
.social-btn .btn {
    border: none;
    margin: 10px 3px 0;
    opacity: 1;
}
.social-btn .btn:hover {
    opacity: 0.9;
}

```

```

    }

    .social-btn .btn-primary
{
    background: #507cc0;
}

    .social-btn .btn-info {
        background: #64ccf1;
    }
    .social-btn .btn-danger {
        background: #df4930;
    }

.or-seperator {
    margin-top: 20px;
    text-align: center;
    border-top: 1px solid #ccc;
}

.or-seperator i {
    padding: 0 10px;
    background: #f7f7f7;
    position: relative;
    top: -11px;
    z-index: 1;
}
</style>
</head>
<body>
<%

```

```
String email=request.getSession().getAttribute("email").toString();
```

```
System.out.println("email-----"+email);
```

```
%>
```

```
<% Random r=new Random();
```

```
int f=r.nextInt(100000);
```

```
String filekey= ""+f;
```

```
%>
```

```
<%
```

```
Random      r1=new
```

```
Random();
```

```
String
```

```
key2="ABCDE12345";
```

```
char
```

```
c5=key2.charAt(r1.nextInt(key2.length()));
```

```
char
```

```
c6=key2.charAt(r1.nextInt(key2.length()));
```

```
char
```

```
c7=key2.charAt(r1.nextInt(key2.length()));
```

```
char
```

```
c8=key2.charAt(r1.nextInt(key2.length()));
```

```

char
c9=key2.charAt(r1.nextInt(key2.length()));

String
t6="" +c5+""+c6+""+c7+""+c8+""+c9;

%>

<div class="login-form">
    <form action="FileUpload" method="post" enctype="multipart/form-
data">
        <h2 class="text-center" style="color:#2193b0">File Upload</h2>
        <div class="form-group">
            <div class="input-
group">
                <span class="input-group-addon"><i class="fa fa-
user"></i></span>
                <input type="text" class="form-control" name="username"
value=<%=email %> required="required" readonly>
            </div>
        </div>
        <div class="form-
group">
            <div class="input-group">
                <span class="input-group-addon"><i class="fa fa-
key"></i></span>
                <input type="text" class="form-control" name="fkey"
value=<%=filekey %> readonly>
            </div>
        </div>

```

```
<div class="form-group">
  <div class="input-group">
    <span class="input-group-addon"><i class="fa fa-
key"></i></span>
    <input type="text" class="form-control" name="ckey"
value=<%=t6 %> readonly>
  </div>
</div>
```

```
<div class="form-group">
  <div class="input-
group">
    <span class="input-group-addon"><i class="fa fa-
file"></i></span>
    <input type="file" class="form-control" name="username"
placeholder="Username" readonly>
  </div>
</div>
```

```
<div class="form-
group">
  <button type="submit" class="btn btn-info upload-btn btn-
block">upload</button>
</div>
```

```
</form>
```

```
</div>
</body>
</html>
```

SERVICELOGIN:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-
1">
<title>Insert title here</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="UTF-8"
/>
<meta
name="keywords"
content="Desk Login
form Responsive web template, Bootstrap Web Templates, Flat Web
Templates, Android Compatible web template, Smartphone Compatible
web template, free webdesigns for Nokia, Samsung, LG, SonyEricsson,
Motorola web design" />
<!-- //Meta tag
Keywords -->
```

```
<link
href="//fonts.googleapis.com/css?family=Mukta:200,300,400,500,600,700,
800" rel="stylesheet">
```

```
<!--/Style-CSS -->
<link    rel="stylesheet"
href="css4/style.css" type="text/css" media="all" />
```

```
<!--//Style-CSS -->
<style>
#grad1 {
    height: 100px;
    background: -webkit-linear-gradient(left, red , blue);
    background: -o-linear-gradient(right, red, blue);
    background: -moz-linear-gradient(right, red, blue);
    background: linear-gradient(to right, red , blue);
}

</style>
```

```
</head>
```

```
<body>
```

```
<div id = "grad1">
```

```
<section    class="w3l-
forms-main-61">
```

```
<div        class="form-
inner">
```

```
<div
class="wrapper">
    <div
class="d-grid top-form">
        <div
class="logo">
            <a    class="brand-logo"
href="index.html"><span><span class="fa fa-viadeo"
            aria-
hidden="true"></span> Service Provider Login form</span></a>
            <!-- if logo is image
enable this
            <a class="brand-
logo" href="#index.html">
                
            </a> -->
        </div>
    </div>
</div>
```

class="form-bg-blur">

<div

class="form-61">

<div

head">User Login</h4>

<h4

class="form-

action="Serviceprovider" method="post">

<form

head">Username</p>

<div class="">

<p

class="text-

name="username" class="input" placeholder="username" required />

<input

type="text"

</div>

<div class="">

head">Password</p>

<p

class="text-

```
<input
type="password" name="password" class="input" placeholder="password"
required />
```

```
</div>
```

```
<label
class="remember">
```

```
<input
type="checkbox">
```

```
<span
class="checkmark"></span>Keep me logged in
```

```
</label>
```

```
<button type="submit"
class="signinbutton btn">LOGIN</button>
```

```
<p
class="signup">Forgot password?<a href="#forgot"
class="signuplink">Click here</a></p>
```

```
</form>
```

```

</div>
</div>
</div>
</div>
</section>
</div>
</body>
</html>

```

SERVICEVIEW:

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=Edge">
    <meta name="description" content="">
    <meta name="keywords" content="">
    <meta name="author" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

```

```
<link rel="stylesheet" href="css/bootstrap.min.css">
<link rel="stylesheet" href="css/font-awesome.min.css">
<link rel="stylesheet" href="css/aos.css">
```

```
<!-- MAIN CSS -->
```

```
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<!--
```

Tooplate 2119 Gymso Fitness

<https://www.tooplate.com/view/2119-gymso-fitness>

```
-->
```

```
</head>
```

```
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
```

```
<!-- MENU BAR -->
```

```
<nav class="navbar navbar-expand-lg fixed-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="index.html">Public-Key  
Encryption</a>
```

```
<button class="navbar-toggler" type="button" data-  
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"  
aria-expanded="false"
```

```
aria-label="Toggle navigation">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">
  <ul class="navbar-nav ml-lg-auto">
    <li class="nav-item">
      <a href="#home" class="nav-link smoothScroll">Home</a>
    </li>

    <li class="nav-item">
      <a href="ServiceEncrypt.jsp" class="nav-link
smoothScroll">Encrypt</a>
    </li>

    <li class="nav-item">
      <a href="OwnerFileView.jsp" class="nav-link
smoothScroll">VIEW FILES</a>
    </li>

    <li class="nav-item">
      <a href="ServiceAcc.jsp" class="nav-link
smoothScroll">USER REQUEST</a>
    </li>

    <li class="nav-item">
      <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
    </li>
  </ul>
```

</div>

</div>

</nav>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="js/aos.js"></script>

<script src="js/smoothscroll.js"></script>

<script src="js/custom.js"></script>

</body>

</html>

THIRDPARTYLOGIN:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

```
<link
href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script
src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></scri
pt>
<script
src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<link
rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.5.0/css/all.css">
<style>
body {
    background: #00c9ff;
}
.card {
    border: 1px solid #28a745;
}
.card-login {
    margin-top: 130px;
    padding: 18px;
    max-width: 30rem;
}

.card-header {
    color: #fff;
    /*background: #ff0000;*/
    font-family: sans-serif;
```

```
font-size: 20px;
font-weight: 600 !important;
margin-top: 10px;
border-bottom: 0;
}
```

```
.input-group-prepend span{
width: 50px;
background-color: #ff0000;
color: #fff;
border:0 !important;
}
```

```
input:focus{
outline: 0 0 0 0 !important;
box-shadow: 0 0 0 0 !important;
}
```

```
.login_btn{
width: 130px;
}
```

```
.login_btn:hover{
color: #fff;
background-color: #ff0000;
}
```

```
.btn-outline-danger {  
  color: #fff;  
  font-size: 18px;  
  background-color: #28a745;  
  background-image: none;  
  border-color: #28a745;  
}
```

```
.form-control {  
  display: block;  
  width: 100%;  
  height: calc(2.25rem + 2px);  
  padding: 0.375rem 0.75rem;  
  font-size: 1.2rem;  
  line-height: 1.6;  
  color: #28a745;  
  background-color: transparent;  
  background-clip: padding-box;  
  border: 1px solid #28a745;  
  border-radius: 0;  
  transition: border-color 0.15s ease-in-out, box-shadow 0.15s ease-  
in-out;  
}
```

```
.input-group-text {  
  display: -ms-flexbox;  
  display: flex;
```

```
-ms-flex-align: center;
align-items: center;
padding: 0.375rem 0.75rem;
margin-bottom: 0;
font-size: 1.5rem;
font-weight: 700;
line-height: 1.6;
color: #495057;
text-align: center;
white-space: nowrap;
background-color: #e9ecef;
border: 1px solid #ced4da;
border-radius: 0;
}
</style>
</head>
<body>
<div class="container">
  <div class="card card-login mx-auto text-center bg-dark">
    <div class="card-header mx-auto bg-dark">
      <span class="logo_title mt-5"> Login Dashboard </span>
    </div>
    <div class="card-body">
      <form action="Thirdparty" method="post">
        <div class="input-group form-group">
          <div class="input-group-prepend">
```

```
        <span      class="input-group-text"><i      class="fas      fa-
user"></i></span>
    </div>
    <input  type="text"  name="Username"  class="form-control"
placeholder="Username">
</div>

<div class="input-group form-group">
    <div class="input-group-prepend">
        <span      class="input-group-text"><i      class="fas      fa-
key"></i></span>
    </div>
    <input  type="password"  name="password"  class="form-
control" placeholder="Password">
</div>

<div class="form-group">
    <input  type="submit"  name="btn"  value="Login"  class="btn
btn-outline-danger float-right login_btn">
</div>

</form>
</div>
</div>
</div>
</body>
</html>
```

THIRDREQ:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ page import="java.util.*" %>
    <%@ page import="java.sql.*" %>
    <%@ page import="Database.database;" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
    <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=Edge">
        <meta name="description" content="">
        <meta name="keywords" content="">
        <meta name="author" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

        <link rel="stylesheet" href="css/bootstrap.min.css">
        <link rel="stylesheet" href="css/font-awesome.min.css">
        <link rel="stylesheet" href="css/aos.css">

        <!-- MAIN CSS -->
        <link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<script src="js/jquery.min.js"></script>
<script src="js/bootstrap.min.js"></script>
<script src="js/aos.js"></script>
<script src="js/smoothscroll.js"></script>
<script src="js/custom.js"></script>
<style>
```

```
table {
  width:100%;
  margin-top: 70px;
}
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
  font-family:Imprint MT Shadow;
}
th, td {
  padding: 5px;
  text-align: left;
}
table#t01 tr:nth-child(even) {
  background-color: #eee;
}
table#t01 tr:nth-child(odd) {
  background-color:#fff;
}
table#t01 th {
  background-color: #03fce3;
```

```

        color: #cc00ff;
    }
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">

    <!-- MENU BAR -->
    <nav class="navbar navbar-expand-lg fixed-top">
        <div class="container">

            <a      class="navbar-brand"      href="index.html">      Public-Key
Encryption</a>

            <button      class="navbar-toggler"      type="button"      data-
toggle="collapse"      data-target="#navbarNav"      aria-controls="navbarNav"
aria-expanded="false"
                aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ml-lg-auto">
                    <li class="nav-item">
                        <a      href="Index.jsp"      class="nav-link
smoothScroll">Home</a>
                    </li>

```

```
        <li class="nav-item">
            <a href="ThirdViewFiles.jsp" class="nav-link
smoothScroll">VIEW FILES</a>
        </li>
```

```
        <li class="nav-item">
            <a href="#schedule" class="nav-link smoothScroll">USER
REQUEST</a>
        </li>
```

```
        <li class="nav-item">
            <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
        </li>
    </ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<table id="t01" style=" margin-top: 30px;">
```

```
<h1 style="font-size: 30px;">CLOUD STORAGE</h1>
```

```
<tr style="font-size: 30px;">
```

```
<th style="text-align: center;">USERNAME</th>
```

```
<th style="text-align: center;">FILENAME</th>
```

```
<th style="text-align: center;">FILEKEY</th>
```

```
<th style="text-align: center;">STATUS </th>
```

```
<th style="text-align: center;">STATUS</th>
```

```
</tr>
```

```
<%
```

```
Connection con;
```

```
con=database.create();
```

```
PreparedStatement ps=con.prepareStatement("SELECT * FROM  
`itjcc06`.`request` ");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next())
```

```
{
```

```
String id=
```

```
rs.getString(1);
```

```
String fileusername=
```

```
rs.getString(5);
```

rs.getString(2);	String	filename=
	String	
filekey=rs.getString(3);		
	String	
cspkey=rs.getString(4);		
%>		

```

<tr>
<td style="text-align: center;"><%=filename%></td>
<td style="text-align: center;"><%= filekey%></td>
<td style="text-align: center;"><%= rs.getString(7) %></td>
<td style="text-align: center;"><a
href="ResponseTse?id=<%=id%>&&fname=<%=filename%>&&fkey=<%=fi
lekey%>&&ckey=<%=cspkey%>&&email=<%=filename%>"><button
type="submit" class="btn btn-primary">Request</button></a></td>
</tr>

```

<%} %>

</table>

</body>

THIRDVIEW:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=Edge">

<meta name="description" content="">

<meta name="keywords" content="">

<meta name="author" content="">

<meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

<link rel="stylesheet" href="css/bootstrap.min.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/aos.css">

```

<!-- MAIN CSS -->
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
<style>
body{
background: #00f260;
}
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">

<!-- MENU BAR -->
<nav class="navbar navbar-expand-lg fixed-top">
  <div class="container">

    <a class="navbar-brand" href="index.html"> Public-Key
Encryption</a>

    <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"
aria-expanded="false"
    aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>

  <div class="collapse navbar-collapse" id="navbarNav">
    <ul class="navbar-nav ml-lg-auto">
      <li class="nav-item">

```

```
                <a                href="Index.jsp"                class="nav-link
smoothScroll">Home</a>
            </li>
```

```
            <li class="nav-item">
                <a                href="ThirdViewFiles.jsp"                class="nav-link
smoothScroll">VIEW FILES</a>
            </li>
```

```
            <li class="nav-item">
                <a                href="ThirdReq.jsp"                class="nav-link
smoothScroll">USER REQUEST</a>
            </li>
```

```
            <li class="nav-item">
                <a                href="#contact"                class="nav-link
smoothScroll">LOGOUT</a>
            </li>
        </ul>
```

```
    </div>
```

```
</div>
```

```
</nav>
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
<script src="js/aos.js"></script>
<script src="js/smoothscroll.js"></script>
<script src="js/custom.js"></script>

</body>
</html>
```

THIRDVIEWFILES:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ page import="java.util.*" %>
    <%@ page import="java.sql.*" %>
    <%@ page import="Database.database;" %>
    <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
    <html>
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=Edge">
        <meta name="description" content="">
        <meta name="keywords" content="">
        <meta name="author" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

        <link rel="stylesheet" href="css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/aos.css">
```

```
<!-- MAIN CSS -->
```

```
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

```
<script src="js/aos.js"></script>
```

```
<script src="js/smoothscroll.js"></script>
```

```
<script src="js/custom.js"></script>
```

```
<style>
```

```
table {
```

```
    width:100%;
```

```
    margin-top: 70px;
```

```
}
```

```
table, th, td {
```

```
    border: 1px solid black;
```

```
    border-collapse: collapse;
```

```
    font-family:Imprint MT Shadow;
```

```
}
```

```
th, td {
```

```
    padding: 5px;
```

```
    text-align: left;
```

```
}
```

```
table#t01 tr:nth-child(even) {
```

```

        background-color: #eee;
    }
    table#t01 tr:nth-child(odd) {
        background-color: #fff;
    }
    table#t01 th {
        background-color: #03f3e3;
        color: #cc00ff;
    }
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">

```

```

<!-- MENU BAR -->
<nav class="navbar navbar-expand-lg fixed-top">
    <div class="container">

        <a      class="navbar-brand"      href="index.html">      Public-Key
Encryption</a>

        <button      class="navbar-toggler"      type="button"      data-
toggle="collapse"      data-target="#navbarNav"      aria-controls="navbarNav"
aria-expanded="false"
            aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

```

```
<div class="collapse navbar-collapse" id="navbarNav">
  <ul class="navbar-nav ml-lg-auto">
    <li class="nav-item">
      <a href="#home" class="nav-link smoothScroll">Home</a>
    </li>

    <li class="nav-item">
      <a href="Fileupload.jsp" class="nav-link smoothScroll">FILE
UPLOAD</a>
    </li>

    <li class="nav-item">
      <a href="#class" class="nav-link smoothScroll">VIEW
FILES</a>
    </li>

    <li class="nav-item">
      <a href="#schedule" class="nav-link smoothScroll">VIEW
USER</a>
    </li>

    <li class="nav-item">
      <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
    </li>
  </ul>
```

</div>

</div>

</nav>

<table id="t01" style=" margin-top: 30px;">

<h1 style="font-size: 30px;">CLOUD STORAGE</h1>

<tr style="font-size: 30px;">

<th style="text-align: center;">USERNAME</th>

<th style="text-align: center;">FILENAME</th>

<th style="text-align: center;">FILETYPE</th>

<th style="text-align: center;">FILESIZE</th>

<th style="text-align: center;">FILE KEY</th>

<th style="text-align: center;">CSP KEY</th>

</tr>

<%

Connection con;

```
con=database.create();  
PreparedStatement ps=con.prepareStatement("SELECT * FROM  
`itjcc06`.`fileupload` ");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next())  
{
```

```
String fileusername=  
rs.getString(9);
```

```
String filename=  
rs.getString(2);
```

```
String  
filetype=rs.getString(3);
```

```
String filesize=  
rs.getString(4);
```

```
String  
filekey=rs.getString(5);
```

```
String  
cspkey=rs.getString(6);
```

```
%>
```

```
<tr>
<td style="text-align: center;"><%=rs.getString(9)%></td>
<td style="text-align: center;"><%= filename %></td>
<td style="text-align: center;"><%= rs.getString(3) %></td>
<td style="text-align: center;"><%= rs.getString(4) %></td>
<td style="text-align: center;"><%= rs.getString(5) %></td>
<td style="text-align: center;"><%= rs.getString(6) %></td>

</tr>
```

```
<%} %>
</table>
```

```
</body>
</html>
```

USERFILES:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<%@ page import="java.sql.*" %>
```

```
<%@ page import="Database.database;" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=Edge">
    <meta name="description" content="">
    <meta name="keywords" content="">
    <meta name="author" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

    <link rel="stylesheet" href="css/bootstrap.min.css">
    <link rel="stylesheet" href="css/font-awesome.min.css">
    <link rel="stylesheet" href="css/aos.css">

    <!-- MAIN CSS -->
    <link rel="stylesheet" href="css1/tooplate-gymso-style.css">

    <script src="js/jquery.min.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="js/aos.js"></script>
    <script src="js/smoothscroll.js"></script>
    <script src="js/custom.js"></script>
    <style>
```

```
table {
    width:100%;
    margin-top: 70px;
}
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    font-family:Imprint MT Shadow;
}
th, td {
    padding: 5px;
    text-align: left;
}
table#t01 tr:nth-child(even) {
    background-color: #eee;
}
table#t01 tr:nth-child(odd) {
    background-color:#fff;
}
table#t01 th {
    background-color: #03fce3;
    color: #cc00ff;
}
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
<%
```

```
String email=request.getSession().getAttribute("email").toString();
```

```
System.out.println("email-----"+email);
```

```
%>
```

```
<!-- MENU BAR -->
```

```
<nav class="navbar navbar-expand-lg fixed-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="index.html"> Public-Key  
Encryption</a>
```

```
<button class="navbar-toggler" type="button" data-  
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"  
aria-expanded="false"  
aria-label="Toggle navigation">  
<span class="navbar-toggler-icon"></span>  
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">  
<ul class="navbar-nav ml-lg-auto">  
<li class="nav-item">  
<a href="Index.jsp" class="nav-link  
smoothScroll">Home</a>  
</li>
```

```
<li class="nav-item">
    <a href="Userfiles.jsp" class="nav-link smoothScroll">VIEW
FILES</a>
</li>
```

```
<li class="nav-item">
    <a href="RequestFileView.jsp" class="nav-link
smoothScroll">VIEW REQUEST</a>
</li>
```

```
<li class="nav-item">
    <a href="Download.jsp" class="nav-link
smoothScroll">DOWNLOAD</a>
</li>
```

```
<li class="nav-item">
    <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
</li>
</ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<table id="t01" style=" margin-top: 30px;">
```

```
<h1 style="font-size: 30px;">CLOUD STORAGE</h1>
```

```
<tr style="font-size: 30px;">
```

```
  <th style="text-align: center;">USERNAME</th>
```

```
  <th style="text-align: center;">FILENAME</th>
```

```
  <th style="text-align: center;">FILETYPE</th>
```

```
  <th style="text-align: center;">FILESIZE</th>
```

```
  <th style="text-align: center;">STATUS</th>
```

```
</tr>
```

```
<%
```

```
Connection con;
```

```
con=database.create();
```

```
PreparedStatement ps=con.prepareStatement("SELECT * FROM  
`itjcc06`.`fileupload` ");
```

```
ResultSet rs=ps.executeQuery();
```

```

        while(rs.next())
        {

String fileusername=
rs.getString(9);
String filename=
rs.getString(2);
String
filetype=rs.getString(3);
String filesize=
rs.getString(4);
String
filekey=rs.getString(5);
String
cspkey=rs.getString(6);
String
id=rs.getString(1);
        %>

```

```

<tr>

```

```

<td style="text-align: center;"><%=rs.getString(9)%></td>

```

```

<td style="text-align: center;"><%= filename %></td>

```

```

        <td style="text-align: center;"><%= rs.getString(3) %></td>
        <td style="text-align: center;"><%= rs.getString(4) %></td>
        <td style="text-align: center;"><a
href="request?id=<%=id%>&&fname=<%=filename%>&&fkey=<%=filekey
%>&&ckey=<%=cspkey%>&&email=<%=email%>"><button type="submit"
class="btn btn-primary">Request</button></a></td>
    </tr>

```

```

<%} %>

```

```

</table>

```

```

</body>

```

```

</html>

```

USER REGISTER:

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

```

```

    <%@ page import="java.util.*" %>

```

```

    <%@ page import="java.sql.*" %>

```

```

    <%@ page import="Database.database;" %>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

```

```
<html>
<head>
<meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=Edge">
  <meta name="description" content="">
  <meta name="keywords" content="">
  <meta name="author" content="">
  <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

  <link rel="stylesheet" href="css/bootstrap.min.css">
  <link rel="stylesheet" href="css/font-awesome.min.css">
  <link rel="stylesheet" href="css/aos.css">

  <!-- MAIN CSS -->
  <link rel="stylesheet" href="css1/tooplate-gymso-style.css">

  <script src="js/jquery.min.js"></script>
  <script src="js/bootstrap.min.js"></script>
  <script src="js/aos.js"></script>
  <script src="js/smoothscroll.js"></script>
  <script src="js/custom.js"></script>
  <style>
table {
  width:100%;
  margin-top: 70px;
```

```
}
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    font-family:Imprint MT Shadow;
}
th, td {
    padding: 5px;
    text-align: left;
}
table#t01 tr:nth-child(even) {
    background-color: #eee;
}
table#t01 tr:nth-child(odd) {
    background-color:#fff;
}
table#t01 th {
    background-color: #03fce3;
    color: #cc00ff;
}
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
<%
    String email=request.getSession().getAttribute("email").toString();
```

```
System.out.println("email-----"+email);
```

```
%>
```

```
<!-- MENU BAR -->
```

```
<nav class="navbar navbar-expand-lg fixed-top">
```

```
  <div class="container">
```

```
    <a      class="navbar-brand"      href="index.html">      Public-Key  
Encryption</a>
```

```
    <button      class="navbar-toggler"      type="button"      data-  
toggle="collapse"  data-target="#navbarNav"  aria-controls="navbarNav"  
aria-expanded="false"
```

```
      aria-label="Toggle navigation">
```

```
    <span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">
```

```
  <ul class="navbar-nav ml-lg-auto">
```

```
    <li class="nav-item">
```

```
      <a      href="Index.jsp"      class="nav-link  
smoothScroll">Home</a>
```

```
    </li>
```

```
    <li class="nav-item">
```

```
                <a href="Userfiles.jsp" class="nav-link smoothScroll">VIEW  
FILES</a>
```

```
            </li>
```

```
                <li class="nav-item">
```

```
                    <a href="RequestFileView.jsp" class="nav-link  
smoothScroll">VIEW REQUEST</a>
```

```
                </li>
```

```
                <li class="nav-item">
```

```
                    <a href="Download.jsp" class="nav-link  
smoothScroll">DOWNLOAD</a>
```

```
                </li>
```

```
                <li class="nav-item">
```

```
                    <a href="#contact" class="nav-link  
smoothScroll">LOGOUT</a>
```

```
                </li>
```

```
            </ul>
```

```
        </div>
```

```
    </div>
```

```
</nav>
```

```
<table id="t01" style=" margin-top: 30px;">
```

```
<h1 style="font-size: 30px;">CLOUD STORAGE</h1>
```

```
    <tr style="font-size: 30px;">
```

```
<th style="text-align: center;">USERNAME</th>
<th style="text-align: center;">FILENAME</th>
<th style="text-align: center;">FILETYPE</th>
<th style="text-align: center;">FILESIZE</th>
<th style="text-align: center;">STATUS</th>
```

```
</tr>
```

```
<%
```

```
Connection con;
```

```
con=database.create();
```

```
PreparedStatement ps=con.prepareStatement("SELECT * FROM
`itjcc06`.`fileupload` ");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next())
```

```
{
```

rs.getString(9);	String	fileusername=
rs.getString(2);	String	filename=
filetype=rs.getString(3);	String	
rs.getString(4);	String	filesize=
filekey=rs.getString(5);	String	
cspkey=rs.getString(6);	String	
id=rs.getString(1);	String	
%>		

<tr>

<td style="text-align: center;"><%=rs.getString(9)%></td>

<td style="text-align: center;"><%= filename %></td>

<td style="text-align: center;"><%= rs.getString(3) %></td>

<td style="text-align: center;"><%= rs.getString(4) %></td>

```
<td style="text-align: center;"><a href="request?id=<%=id%>&&fname=<%=filename%>&&fkey=<%=filekey%>&&ckey=<%=cspkey%>&&email=<%=email%>"><button type="submit" class="btn btn-primary">Request</button></a></td>
</tr>
```

```
<%} %>
```

```
</table>
```

```
</body>
```

```
</html>
```

USERLOGIN:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
```

```
<title>Insert title here</title>
```

```
<link
href="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/css/bootstrap.min.css"
rel="stylesheet" id="bootstrap-css">
<script
src="//maxcdn.bootstrapcdn.com/bootstrap/4.1.1/js/bootstrap.min.js"></scri
pt>
<script
src="//cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
<style>
```

```
/* BASIC */
```

```
html {
  background-color: #56baed;
}
```

```
body {
  font-family: Castellar;
  height: 100vh;
  background: linear-gradient(to left, #1c92d2, #f2fcfe);
}
```

```
a {
  color: #92badd;
  display:inline-block;
  text-decoration: none;
  font-weight: 400;
```

```
}
```

```
h2 {  
  text-align: center;  
  font-size: 16px;  
  font-weight: 600;  
  text-transform: uppercase;  
  display:inline-block;  
  margin: 40px 8px 10px 8px;  
  color: #cccccc;  
}
```

```
/* STRUCTURE */
```

```
.wrapper {  
  display: flex;  
  align-items: center;  
  flex-direction: column;  
  justify-content: center;  
  width: 100%;  
  min-height: 100%;  
  padding: 20px;  
}
```

```
#formContent {
```

```
-webkit-border-radius: 10px 10px 10px 10px;
border-radius: 10px 10px 10px 10px;
background:#ef32d9;
padding: 30px;
width: 90%;
max-width: 450px;
position: relative;
padding: 0px;
-webkit-box-shadow: 0 30px 60px 0 rgba(0,0,0,0.3);
box-shadow: 0 30px 60px 0 rgba(0,0,0,0.3);
text-align: center;
}
```

```
#formFooter {
  background-color: #f6f6f6;
  border-top: 1px solid #dce8f1;
  padding: 25px;
  text-align: center;
  -webkit-border-radius: 0 0 10px 10px;
  border-radius: 0 0 10px 10px;
}
```

```
/* TABS */
```

```
h2.inactive {
```

```
    color: #f20707;
}
```

```
h2.active {
    color: #f2070f;
    border-bottom: 2px solid #5fbae9;
}
```

```
/* FORM TYPOGRAPHY*/
```

```
input[type=button], input[type=submit], input[type=reset] {
    background-color: #0df8fc;
    border: none;
    color: white;
    padding: 15px 80px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    text-transform: uppercase;
    font-size: 13px;
    -webkit-box-shadow: 0 10px 30px 0 rgba(95,186,233,0.4);
    box-shadow: 0 10px 30px 0 rgba(95,186,233,0.4);
    -webkit-border-radius: 5px 5px 5px 5px;
    border-radius: 5px 5px 5px 5px;
    margin: 5px 20px 40px 20px;
```

```
-webkit-transition: all 0.3s ease-in-out;
-moz-transition: all 0.3s ease-in-out;
-ms-transition: all 0.3s ease-in-out;
-o-transition: all 0.3s ease-in-out;
transition: all 0.3s ease-in-out;
}
```

```
input[type=button]:hover, input[type=submit]:hover, input[type=reset]:hover
{
    background-color: #39ace7;
}
```

```
input[type=button]:active, input[type=submit]:active, input[type=reset]:active
{
    -moz-transform: scale(0.95);
    -webkit-transform: scale(0.95);
    -o-transform: scale(0.95);
    -ms-transform: scale(0.95);
    transform: scale(0.95);
}
```

```
input[type=text], input[type=password]{
    background-color: #f6f6f6;
    border: none;
    color: #0d0d0d;
    padding: 15px 32px;
    text-align: center;
```

```
text-decoration: none;
display: inline-block;
font-size: 16px;
margin: 5px;
width: 85%;
border: 2px solid #f6f6f6;
-webkit-transition: all 0.5s ease-in-out;
-moz-transition: all 0.5s ease-in-out;
-ms-transition: all 0.5s ease-in-out;
-o-transition: all 0.5s ease-in-out;
transition: all 0.5s ease-in-out;
-webkit-border-radius: 5px 5px 5px 5px;
border-radius: 5px 5px 5px 5px;
}
```

```
input[type=text]:focus {
  background-color: #fff;
  border-bottom: 2px solid #5fbae9;
}
```

```
input[type=text]:placeholder {
  color: #cccccc;
}
```

```
/* ANIMATIONS */
```

```
/* Simple CSS3 Fade-in-down Animation */
```

```
.fadeInDown {  
  -webkit-animation-name: fadeInDown;  
  animation-name: fadeInDown;  
  -webkit-animation-duration: 1s;  
  animation-duration: 1s;  
  -webkit-animation-fill-mode: both;  
  animation-fill-mode: both;  
}
```

```
@-webkit-keyframes fadeInDown {  
  0% {  
    opacity: 0;  
    -webkit-transform: translate3d(0, -100%, 0);  
    transform: translate3d(0, -100%, 0);  
  }  
  100% {  
    opacity: 1;  
    -webkit-transform: none;  
    transform: none;  
  }  
}
```

```
@keyframes fadeInDown {  
  0% {  
    opacity: 0;
```

```

    -webkit-transform: translate3d(0, -100%, 0);
    transform: translate3d(0, -100%, 0);
}
100% {
    opacity: 1;
    -webkit-transform: none;
    transform: none;
}
}

/* Simple CSS3 Fade-in Animation */
@-webkit-keyframes fadeIn { from { opacity:0; } to { opacity:1; } }
@-moz-keyframes fadeIn { from { opacity:0; } to { opacity:1; } }
@keyframes fadeIn { from { opacity:0; } to { opacity:1; } }

.fadeIn {
    opacity:0;
    -webkit-animation:fadeIn ease-in 1;
    -moz-animation:fadeIn ease-in 1;
    animation:fadeIn ease-in 1;

    -webkit-animation-fill-mode:forwards;
    -moz-animation-fill-mode:forwards;
    animation-fill-mode:forwards;

    -webkit-animation-duration:1s;
    -moz-animation-duration:1s;

```

```
    animation-duration:1s;  
}
```

```
.fadeIn.first {  
    -webkit-animation-delay: 0.4s;  
    -moz-animation-delay: 0.4s;  
    animation-delay: 0.4s;  
}
```

```
.fadeIn.second {  
    -webkit-animation-delay: 0.6s;  
    -moz-animation-delay: 0.6s;  
    animation-delay: 0.6s;  
}
```

```
.fadeIn.third {  
    -webkit-animation-delay: 0.8s;  
    -moz-animation-delay: 0.8s;  
    animation-delay: 0.8s;  
}
```

```
.fadeIn.fourth {  
    -webkit-animation-delay: 1s;  
    -moz-animation-delay: 1s;  
    animation-delay: 1s;  
}
```

```
/* Simple CSS3 Fade-in Animation */
```

```
.underlineHover:after {  
    display: block;  
    left: 0;  
    bottom: -10px;  
    width: 0;  
    height: 2px;  
    background-color: #56baed;  
    content: "";  
    transition: width 0.2s;  
}
```

```
.underlineHover:hover {  
    color: #0d0d0d;  
}
```

```
.underlineHover:hover:after{  
    width: 100%;  
}
```

```
h1{  
    color:#60a0ff;  
}
```

```
/* OTHERS */
```

```
*:focus {
```

```
outline: none;
}
```

```
#icon {
width:30%;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="wrapper fadeInDown">
```

```
<div id="formContent">
```

```
<!-- Tabs Titles -->
```

```
<!-- Icon -->
```

```
<div class="fadeIn first">
```

```
<h1>USER LOGIN</h1>
```

```
</div>
```

```
<form action="UserLogin" method="post">
```

```
<input type="text" id="login" class="fadeIn second" name="umail"
placeholder="useremail">
```

```
<input type="password" id="password" class="fadeIn third"
name="password" placeholder="password">
```

```
<input type="submit" class="fadeIn fourth" value="Log In">
```

</form>

<!-- Remind Passowrd -->

<div id="formFooter">

Go to the Site

</div>

</div>

</div>

</body>

</html>

USERFILES:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<%@ page import="java.util.*" %>

<%@ page import="java.sql.*" %>

<%@ page import="Database.database;" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=Edge">

<meta name="description" content="">

<meta name="keywords" content="">

<meta name="author" content="">

```
<meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">
```

```
<link rel="stylesheet" href="css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="css/aos.css">
```

```
<!-- MAIN CSS -->
```

```
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<script src="js/jquery.min.js"></script>
```

```
<script src="js/bootstrap.min.js"></script>
```

```
<script src="js/aos.js"></script>
```

```
<script src="js/smoothscroll.js"></script>
```

```
<script src="js/custom.js"></script>
```

```
<style>
```

```
table {
```

```
    width:100%;
```

```
    margin-top: 70px;
```

```
}
```

```
table, th, td {
```

```
    border: 1px solid black;
```

```
    border-collapse: collapse;
```

```
    font-family:Imprint MT Shadow;
```

```
}
```

```
th, td {
```

```

padding: 5px;
text-align: left;
}
table#t01 tr:nth-child(even) {
    background-color: #eee;
}
table#t01 tr:nth-child(odd) {
    background-color: #fff;
}
table#t01 th {
    background-color: #03f3e3;
    color: #cc00ff;
}
</style>
</head>
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
<%
    String email=request.getSession().getAttribute("email").toString();

    System.out.println("email-----"+email);

    %>
<!-- MENU BAR -->
<nav class="navbar navbar-expand-lg fixed-top">
    <div class="container">

```

```
        <a      class="navbar-brand"      href="index.html">      Public-Key  
Encryption</a>
```

```
        <button      class="navbar-toggler"      type="button"      data-  
toggle="collapse"      data-target="#navbarNav"      aria-controls="navbarNav"  
aria-expanded="false"  
        aria-label="Toggle navigation">  
        <span class="navbar-toggler-icon"></span>  
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">  
    <ul class="navbar-nav ml-lg-auto">  
        <li class="nav-item">  
            <a      href="Index.jsp"      class="nav-link  
smoothScroll">Home</a>  
        </li>
```

```
        <li class="nav-item">  
            <a href="Userfiles.jsp" class="nav-link smoothScroll">VIEW  
FILES</a>  
        </li>
```

```
        <li class="nav-item">  
            <a      href="RequestFileView.jsp"      class="nav-link  
smoothScroll">VIEW REQUEST</a>  
        </li>
```

```
        <li class="nav-item">
            <a href="Download.jsp" class="nav-link
smoothScroll">DOWNLOAD</a>
        </li>
```

```
        <li class="nav-item">
            <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
        </li>
    </ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<table id="t01" style=" margin-top: 30px;">
```

```
<h1 style="font-size: 30px;">CLOUD STORAGE</h1>
```

```
<tr style="font-size: 30px;">
```

```
    <th style="text-align: center;">USERNAME</th>
```

```
    <th style="text-align: center;">FILENAME</th>
```

```
    <th style="text-align: center;">FILETYPE</th>
```

```
    <th style="text-align: center;">FILESIZE</th>
```

```
    <th style="text-align: center;">STATUS</th>
```

```
</tr>
```

<%

Connection con;

con=database.create();

PreparedStatement ps=con.prepareStatement("SELECT * FROM
`itjcc06`.`fileupload` ");

ResultSet rs=ps.executeQuery();

while(rs.next())

{

rs.getString(9);

String fileusername=

rs.getString(2);

String filename=

String

filetype=rs.getString(3);

rs.getString(4);	String	filesize=
	String	
filekey=rs.getString(5);		
	String	
cspkey=rs.getString(6);		
	String	
id=rs.getString(1);		
%>		

<tr>

<td style="text-align: center;"><%=rs.getString(9)%></td>
<td style="text-align: center;"><%= filename %></td>
<td style="text-align: center;"><%= rs.getString(3) %></td>
<td style="text-align: center;"><%= rs.getString(4) %></td>
<td style="text-align: center;"><a href="request?id=<%=id%>&&fname=<%=filename%>&&fkey=<%=filekey%>&&ckey=<%=cspkey%>&&email=<%=email%>"><button type="submit" class="btn btn-primary">Request</button></td>

</tr>

<%} %>

</table>

</body>

</html>

USERVIEW:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=Edge">

<meta name="description" content="">

<meta name="keywords" content="">

<meta name="author" content="">

<meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

<link rel="stylesheet" href="css/bootstrap.min.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

```
<link rel="stylesheet" href="css/aos.css">
```

```
<!-- MAIN CSS -->
```

```
<link rel="stylesheet" href="css1/tooplate-gymso-style.css">
```

```
<style>
```

```
body{
```

```
background: #00d2ff;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body data-spy="scroll" data-target="#navbarNav" data-offset="50">
```

```
<%
```

```
String email=request.getSession().getAttribute("email").toString();
```

```
System.out.println("email-----"+email);
```

```
%>
```

```
<!-- MENU BAR -->
```

```
<nav class="navbar navbar-expand-lg fixed-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="index.html">Public-Key  
Encryption</a>
```

```
<button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav"
aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">
<ul class="navbar-nav ml-lg-auto">
<li class="nav-item">
<a href="Index.jsp" class="nav-link
smoothScroll">Home</a>
</li>
```

```
<li class="nav-item">
<a href="Userfiles.jsp" class="nav-link smoothScroll">VIEW
FILES</a>
</li>
```

```
<li class="nav-item">
<a href="#schedule" class="nav-link smoothScroll">VIEW
REQUEST</a>
</li>
```

```
<li class="nav-item">
<a href="Download.jsp" class="nav-link
smoothScroll">DOWNLOAD</a>
</li>
```

```
        <li class="nav-item">
            <a href="#contact" class="nav-link
smoothScroll">LOGOUT</a>
        </li>
    </ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<script src="js/jquery.min.js"></script>
<script src="js/bootstrap.min.js"></script>
<script src="js/aos.js"></script>
<script src="js/smoothscroll.js"></script>
<script src="js/custom.js"></script>
```

```
</body>
```

```
</html>
```

DOWNLOAD:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```
<%@ page import="java.util.*" %>
```

```
<%@ page import="java.sql.*" %>
```

```
<%@ page import="Database.database;" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=Edge">
    <meta name="description" content="">
    <meta name="keywords" content="">
    <meta name="author" content="">
    <meta name="viewport" content="width=device-width, initial-scale=1,
maximum-scale=1">

    <link rel="stylesheet" href="css/bootstrap.min.css">
    <link rel="stylesheet" href="css/font-awesome.min.css">
    <link rel="stylesheet" href="css/aos.css">

    <!-- MAIN CSS -->
    <link rel="stylesheet" href="css1/tooplate-gymso-style.css">

    <script src="js/jquery.min.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="js/aos.js"></script>
    <script src="js/smoothscroll.js"></script>
    <script src="js/custom.js"></script>
<style>
table {
```

```
width:100%;
margin-top: 70px;
}
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    font-family:Imprint MT Shadow;
}
th, td {
    padding: 5px;
    text-align: left;
}
table#t01 tr:nth-child(even) {
    background-color: #eee;
}
table#t01 tr:nth-child(odd) {
    background-color:#fff;
}
table#t01 th {
    background-color: #03fce3;
    color: #cc00ff;
}
</style>
</head>
<body>
<%
    String email=request.getSession().getAttribute("email").toString();
```

```

        System.out.println("email-----"+email);
    %>
<nav class="navbar navbar-expand-lg fixed-top">
    <div class="container">

        <a      class="navbar-brand"      href="index.html">      Public-Key
Encryption</a>

        <button      class="navbar-toggler"      type="button"      data-
toggle="collapse"      data-target="#navbarNav"      aria-controls="navbarNav"
aria-expanded="false"
        aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ml-lg-auto">
            <li class="nav-item">
                <a      href="Index.jsp"      class="nav-link
smoothScroll">Home</a>
            </li>

            <li class="nav-item">
                <a href="Userfiles.jsp" class="nav-link smoothScroll">VIEW
FILES</a>

```


<li class="nav-item">

<a href="RequestFileView.jsp" class="nav-link
smoothScroll">VIEW REQUEST

<li class="nav-item">

<a href="#schedule" class="nav-link
smoothScroll">DOWNLOAD

<li class="nav-item">

<a href="#contact" class="nav-link
smoothScroll">LOGOUT

</div>

</div>

</nav>

<table id="t01" style=" margin-top: 30px;">

<h1 style="font-size: 30px;">CLOUD STORAGE</h1>

<tr style="font-size: 30px;">

<th style="text-align: center;">USERNAME</th>

<th style="text-align: center;">FILENAME</th>

<th style="text-align: center;">FILEKEY</th>

```
center;">STATUS</th>
```

```
</tr>
```

```
<%
```

```
String key="****";
```

```
Connection con;
```

```
con=database.create();
```

```
PreparedStatement ps=con.prepareStatement(" SELECT * FROM  
`itjcc06`.`response` where email='"+email+"'");
```

```
ResultSet rs=ps.executeQuery();
```

```
while(rs.next())
```

```
{
```

```
String fileusername=  
rs.getString(5);
```

rs.getString(2);	String	filename=
rs.getString(3);	String	filekey=
rs.getString(4);	String	cspkey=
id=rs.getString(1);	String	
%>		

<tr>

<td style="text-align: center;"><%= filename %></td>

<td style="text-align: center;"><%= filekey %></td>

<td style="text-align: center;"><%= key %></td>

<td style="text-align: center;"><a href="ViewDownload.jsp?id=<%=id%>&&fname=<%=filename%>&&fkey=<%=filekey%>&&ckey=<%=cspkey%>&&email=<%=email%>"><button type="submit" class="btn btn-primary">VIEW</button></td>

</tr>

<%} %>

</table>

</body>

</html>

VIEW DOWNLOAD:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```
<%@page import="Database.database"%>
```

```
<%@page import="java.sql.ResultSet"%>
```

```
<%@page import="java.sql.PreparedStatement" %>
```

```
<%@page import="java.sql.*" %>
```

```
<%@page import="java.util.*" %>
```

```
    <%@ page import="java.util.*" %>
```

```
    <%@ page import="java.util.Random" %>
```

```
    <%@ page import="javax.servlet.http.HttpSession" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
```

```
<meta charset="utf-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
    <link rel="stylesheet" href="css/bootstrap.min.css">
```

```
    <script type="text/javascript" src="js/jquery.min.js"></script>
```

```
<script type="text/javascript" src="js/bootstrap.min.js"></script>
```

```
<title>QR-Code Generator</title>
```

```
<style>
```

```
*{margin:0px; padding:0px;font-family: Helvetica, Arial, sans-serif;}
```

```
h1 { text-align: center; text-shadow: 2px 2px 0px rgba(255,255,255,.7), 5px 7px 0px rgba(0, 0, 0, 0.1); font-size:50px; margin-top:40px; color:#fff; }
```

```
input[type=text]{
```

```
    width: 90%;
```

```
    padding: 12px 20px;
```

```
    margin: 8px 26px;
```

```
    display: inline-block;
```

```
    border: 1px solid #ccc;
```

```
    box-sizing: border-box;
```

```
                                font-size:16px;
```

```
}
```

```
button {
```

```
    background-color: #4CAF50;
```

```
    color: white;
```

```
    padding: 14px 20px;
```

```
    margin: 8px 26px;
```

```
    border: none;
```

```
    cursor: pointer;
```

```
    width: 90%;
```

```
                                font-size:20px;
```

```
}
```

```
button:hover {
```

```
    opacity: 0.8;
}
</style>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></scri
pt>
</head>
<%
```

```
    String email=request.getSession().getAttribute("email").toString();
```

```
    System.out.println("email-----"+email);
    %>
```

```
<body background=" ../background1.png">
<div class="container-fluid" style="background-color: silver">
    <div class="container" style="margin-top: 20px;">
        <h1 style="color: royalblue;font-size:50px"> PKE-MET: PUBLIC-
KEY ENCRYPTION WITH MULTI-CIPHERTEXT EQUALITY TEST IN
CLOUD COMPUTING</h1>
        <nav class="navbar navbar-inverse">
            <div class="container-fluid">
                <div class="navbar-header">

            </div>

        </div>
    </div>
</div>
```

```
</nav>
```

```
<div class="col-sm-2"></div>
```

```
    <div class="col-sm-8">
```

```
        <center>
```

```
        <table class="table table-sm" style="margin-top: 100px">
```

```
        <tr>
```

```
            <th>S.no</th>
```

```
            <th>Filename</th>
```

```
            <th>User Email</th>
```

```
            <th>File Key</th>
```

```
            <th>Csp Key</th>
```

```
            <th>Download</th>
```

```
        </tr>
```

```
        <%
```

```
String sno=request.getParameter("id");
```

```
    System.out.println("sno:"+sno);
```

```
String fname=request.getParameter("fname");
```

```
System.out.println("fname:"+fname);
```

```
String ckey=request.getParameter("ckey");
```

```
System.out.println("ckey:"+ckey);
```

```
String fkey=request.getParameter("fkey");
```

```
System.out.println("fkey:"+fkey);
```

```
String file="";
```

```
%>
```

```
<%-- Connection con = database.create();
```

```

PreparedStatement p = con.prepareStatement("SELECT * FROM
enabling.cloudrequest where email='"+name+"'");
ResultSet rs=p.executeQuery();

```

```

while(rs.next())
{

sno=rs.getString(1);
owner=rs.getString(2);
mail=rs.getString(3);
key=rs.getString(4);
tra=rs.getString(5);
file=rs.getString(6);
%> --%>
<tr>

```

```

<td><%=sno%></td>
<td><%=fname%></td>
<td><%=email%></td>
<td>*****</td>
<td>*****</td>
<td><a
href="Download?fname=<%=fname%>&&ckey=<%=ckey%>&&fkey=<%=f
key%> "><button class="btn btn-success btn-xs" style="font-size:20px;
padding:5px;"> Download</button></a></td>
</tr>
<%-- <%=}%> --%>
</table>

```

```
</center>
</div>
<div class="col-sm-2"></div>
</center>
</div>
```

```
<h1>QR-Code Generator</h1>
```

```
<div id="form-wrapper" style="width:46%; float:left; border:5px solid
rgba(255,255,255,0.6); margin-top:20px; padding:10px">
```

```
<form id="generator">
```

```
<label for="codeSize" style="font-size:20px; margin-right:20px;
color:#fff;">Select QR Code Size:</label>
```

```
<select id="codeSize" name="codeSize" style="width:260px;
height:40px; ">
```

```
<option value="75">XSmall</option>
```

```
<option value="155">Small</option>
```

```
<option value="186">Medium</option>
```

```
<option value="248" selected="selected">Large</option>
```

```
<option value="300">XLarge</option>
```

```
<option value="450">XXLarge</option>
```

```
</select>
```

```
<input type="hidden" onclick="myFunction()" id="codeData"
name="codeData" size="50" value="<%=fkey %>" placeholder="Enter a url
or text" style="margin-top:20px" autocomplete="off"/ >
```

```
<br>
```

```
<button id="generate">generate</button>
```

```
</form>
```

```
<div id="alert" style="height:20px; text-align:center; margin:10px auto"></div>
</div>
```

```
<div style="float:right;">
  <div id="image" style="margin:auto"></div>
  <div id="link" style="margin-top:10px; text-align:center"></div>
</div>
```

```
<div id="code" style="float:left; width:100%; height:20px; text-align:center; margin-top:10px"></div>
```

```
<script>
```

```
function myFunction() {
    document.getElementById("alert").innerHTML = "";
}
```

```
$("#generate").on("click", function () {
var data = $("#codeData").val();
var size = $("#codeSize").val();
if(data == "") {
    $("#alert").append("<p style='color:#fff;font-size:20px'>Please Enter A
Url Or Text</p>"); // If Input Is Blank
    return false;
} else {
    if( $("#image").is(':empty')) {
```

```
//QR Code Image
```

```
$("#image").append("<img  
src='http://chart.apis.google.com/chart?cht=qr&chl=" + data + "&chs=" +  
size + "' alt='qr' />");
```

//This Provide An

Image Download Link

```
$("#link").append("<a style='color:#fff;'  
href='http://chart.apis.google.com/chart?cht=qr&chl=" + data + "&chs=" +  
size + "'>Download QR Code</a>");
```

//This Provide the

Image Link Path In Text

```
// $("#code").append("<p style='color:#fff;'><strong>Image  
Link:</strong> http://chart.apis.google.com/chart?cht=qr&chl=" + data +  
&chs=" + size + "</p>");
```

```
return false;
```

```
} else {
```

```
$("#image").html("");
```

```
$("#link").html("");
```

```
$("#code").html("");
```

//QR Code Image

```
$("#image").append("<img  
src='http://chart.apis.google.com/chart?cht=qr&chl=" + data + "&chs=" +  
size + "' alt='qr' />");
```

//This Provide An

Image Download Link

```
$("#link").append("<a style='color:#fff;' href='http://chart.apis.google.com/chart?cht=qr&chl=" + data + "&chs=" + size + "'>Download QR Code</a>");
```

//This Provide the

Image Link Path In Text

```
$("#code").append("<p style='color:#fff;'><strong>Image Link:</strong> http://chart.apis.google.com/chart?cht=qr&chl=" + data + "&chs=" + size + "</p>");
```

```
return false;
```

```
}
```

```
}
```

```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

LOGOUT:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
```

```
<%@page import="java.io.PrintWriter"%>
```

```
<%@page import="Database.database"%>
```

```
<%@page import="java.sql.ResultSet"%>
```

```
<%@page import="java.sql.PreparedStatement" %>
```

```
<%@page import="java.sql.*" %>
```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-
1">
<title>FILE UPLOAD</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta http-equiv="refresh" content="3; URL=index.jsp">
</head>
<%-- <%
response.setContentType("text/html");
PrintWriter out=response.getWriter();

request.getRequestDispatcher("link.html").include(request,
response);

HttpSession session=request.getSession();
session.invalidate();

%> --%>
<% session.invalidate();
response.sendRedirect("Index.jsp"); %>
<body bgcolor="
#99ffff">
<div>

```

```
<center>
  
  <h1 align="center">Logout Successfully</h1>
</center>
</div>

</body>
</html>
```

CHAPTER 8

SOFTWARE TESTING

8.1 GENERAL

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

8.2 DEVELOPING METHODOLOGIES

The test process is initiated by developing a comprehensive plan to test the general functionality and special features on a variety of platform combinations. Strict quality control procedures are used.

The process verifies that the application meets the requirements specified in the system requirements document and is bug free. The following are the considerations used to develop the framework from developing the testing methodologies.

8.3 TYPES OF TESTS

8.3.1 UNIT TESTING

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program input produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application .it is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

8.3.2 FUNCTIONAL TEST

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

Valid Input : identified classes of valid input must be accepted.

Invalid Input : identified classes of invalid input must be rejected.

Functions : identified functions must be exercised.

Output : identified classes of application outputs must be exercised.

Systems/Procedures: interfacing systems or procedures must be invoked.

8.3.3 SYSTEM TEST

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

8.3.4 PERFORMANCE TEST

The Performance test ensures that the output be produced within the time limits, and the time taken by the system for compiling, giving response to the users and request being send to the system for to retrieve the results.

8.3.5 INTEGRATION TESTING

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

8.3.6 ACCEPTANCE TESTING

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

ACCEPTANCE TESTING FOR DATA SYNCHRONIZATION:

- The Acknowledgements will be received by the Sender Node after the Packets are received by the Destination Node
- The Route add operation is done only when there is a Route request in need

- The Status of Nodes information is done automatically in the Cache Updating process

8.2.7 BUILD THE TEST PLAN

Any project can be divided into units that can be further performed for detailed processing. Then a testing strategy for each of this unit is carried out. Unit testing helps to identify the possible bugs in the individual component, so the component that has bugs can be identified and can be rectified from errors.

CHAPTER 9

APPLICATION

9.1 GENERAL

We propose a simple yet efficient model, called dual sentiment analysis (DSA), to address the polarity shift problem in sentiment classification. By using the property that sentiment classification has two opposite class labels (i.e., positive and negative), we first propose a data expansion technique by creating sentiment reversed reviews. The original and reversed reviews are constructed in a one-to-one correspondence.