

PROFESSIONAL TRAINING REPORT

At

**Sathyabama Institute of Science and Technology
(Deemed to be University)**

Submitted in partial fulfillment of the requirements for the
award of Bachelor of Technology Degree in
Information Technology

By

Jagadees M

(Reg. No. 39120042)



**DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING**

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC

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NOVEMBER 2021



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade “A” by NAAC

(Established under Section 3 of UGC Act, 1956)

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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of
JAGADEES.M (Reg. No: 39120042) who carried out the project
entitled “**Online Banking System(Python-Django Web app)**”
under my supervision from June 2021 to November 2021.

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Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I, **JAGADEES.M** hereby declare that the project report entitled **Online Banking System** done by me under the guidance of **Dr. V. Maria Anu, M.E., Ph.D.** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering Degree in Information and Technology.

DATE: 13/11/2021

PLACE: Chennai

A handwritten signature in blue ink that reads "M. Jagadees". The signature is written in a cursive style with a long horizontal stroke at the end.

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, **Dr. Dr. R. Subhashini, M.E., Ph.D. Heads of the Department of Information Technology** 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 **Dr. V. Maria Anu, M.E., Ph.D.** 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 Information Technology** who were helpful in many ways for the completion of the project.

Training Certification :



Aug 12, 2021

jagadees M

has successfully completed

Crash Course on Python

an online non-credit course authorized by Google and offered through Coursera

Google

Google

COURSE
CERTIFICATE



Verify at coursera.org/verify/WRA4P8F7GC4X

Coursera has confirmed the identity of this individual and their participation in the course.



This is to certify that

Jagadees M

successfully completed and received a passing grade in

Python 101 for Data Science

(PY0101EN, provided by Cognitiveclass)

A course on **cognitiveclass.ai**

Powered by IBM Developer Skills Network.

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Cognitive Class

Issued on:

August 10, 2021

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<https://courses.cognitiveclass.ai/certificates/a8c88fc62b704591bec174fd94d69b00>



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During the above period, the performance was good & we wish great success in all your future endeavours.



*Technology drives the world
People who are behind the technology*
Ashayalan

Authorised Signature

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ABSTRACT

Online Banking is one of the most important financial activities which will be carried out by any person who holds a bank account. There are various activities that can be carried out once you log in to your bank account. Once a user logs in he or she can check the bank balance, check bank account transaction history or account summary, add beneficiary accounts, transfer funds to another account, download account summary. Whenever we deal with a banking system main concern should be the security related to banking transactions and account login activity.

Table of Contents

TITLE	PAGE No.
ABSTRACT	8
LIST OF FIGURES	11
LIST OF ABBREVIATIONS	12

Chapter 1. Introduction

1.1 Introduction to the System	14
1.2 Problem Definition	14
1.3 Aim	14
1.4 Objective	14
1.5 Goal	15
1.6 Need of System	15

Chapter 2. Hardware and Software requirement

2.1 Introduction	17
2.2 System environment	17
2.3 Software requirement	18
2.4 Hardware requirements	18

Chapter 3. System Analysis

3.1 Purpose	19
3.2 Project Scope	19
3.3 Existing System	20
3.4 Proposed System	20
3.5 System Description	20

Chapter 4. Implementation issues

4.1 Python	21
4.2 HTML	21
4.3 Cascading style sheet(CSS)	22
4.4 Mysql	22
4.5 django	23

Chapter 5. System Design

5.1 Usecase diagram	24
5.2 Class diagram	27
5.3 Sequence diagram	28-29
5.4 Er diagram	33
5.5 Symbols used in this E-R Diagram	33

Chapter 6. User Screens_ 35-46

Chapter 7. Coding 47-97

Chapter 8. Conclusion

8.1 Features of “Online Banking System”	98
8.2 Benefits Accrued from “Online Banking System”	99
8.3 Limitations of “Online Banking System”	99

Bibliography 100

LIST OF FIGURES

FIGURE NO.	FIGURE NAME	PAGE NO.
Fig.5.1	Use Case diagram-admin	23
Fig.5.2	Use Case diagram-customer	25
Fig.5.3	Class diagram	26
Fig.5.4	Sequence diagram for admin	27
Fig.5.5	Sequence diagram for user	28
Fig.5.6	Dataflow diagram	30
Fig.6.1	home page	34
Fig.6.2	user register page	35
Fig.6.3	deposit page	36
Fig.6.4	withdraw page	37
Fig.6.5	transaction report page	38
Fig.6.6	transaction report page(pdf)	39
Fig.6.7	admin login page	40
Fig.6.8	admin page	41
Fig.6.9	user bank account details page	42
Fig.6.10	account type page	43
Fig.6.11	transaction details page	44
Fig.6.12	change user bank account type page	45

LIST OF ABBREVIATIONS

ABBREVIATION	EXPANSION
OOP	Object-Oriented Programming
PIP	Package Installer for Python
HTML	Hypertext Markup Language
CSS	Cascading Style Sheets
PHP	Hypertext Preprocessor

1. Introduction

Contents:

- Introduction
- Problem Definition
- Aim
- Objective
- Goal
- Need of System

1.1 Introduction to the System:

Online Banking System is specifically developed for online banking for Balance Enquiry, Funds Transfer to another account in the same bank, Request for cheque book/ATM Card, payment of cheques, Mini statements (Viewing Monthly and annual statements).

1.2 Problem Definition:

Managing your Online Banking System may seem tricky, but this is a part of customer service system (application support direct contact with customer)

1.3 Aim:

“To provide online banking services”

1.4 Objective:

The Traditional way of maintaining details of a user in a bank was to enter the details and record them. Every time the user needs to perform some transactions he has to go to bank and perform the necessary actions, which may not be so feasible all the time. It may be a hard-

hitting task for the users and the bankers too. The project gives real life understanding of Online banking system and activities performed by various roles in the supply chain. Here, we provide automation for banking system through Internet. Online Banking System project captures activities performed by different roles in real life banking which provides enhanced techniques for maintaining the required information upto-date, which results in efficiency. The project gives real life understanding of online banking system and activities performed by various roles in the supply chain.

1.5 Goal:

Convenience

Say goodbye to bankers' hours. With online savings or checking accounts, you can check your balance, schedule fund transfers, pay bills and more – 24 hours a day, any day of the week.

Not only are your transactions completed more quickly – with just a few clicks of the mouse – you'll also save the time, gas and frustration associated with driving through traffic to your local branch. And, with advancements in smartphone application technology, you may be able to deposit checks right from your phone, which means you may never have to visit a bank branch again.

Cost

Many traditional banks offer an Internet banking component in addition to their brick-and-mortar services.

Direct banks, however, operate online and by phone only – and therefore have lower overhead costs. This cost savings is often passed along to consumers in the form of perks like higher interest rates and lower fees. Over time, the savings associated with online checking or savings accounts at a direct bank can really add up. If you're looking to stretch your dollars or reach your savings goal a little faster, these online banking benefits can help.

Control

Perhaps one of the best features of Internet banking is the control over your financial future that it provides. With all your financial information easily accessible in a digital format, you can quickly assess your financial well-being and develop a plan for improvement or investment with the help of some pretty affordable software.

Unlike paper statements, many online banking systems can be easily integrated with

personal finance software programs like Quicken[®], Microsoft Money[®] and Mint.com. These programs can help you improve your financial health by budgeting your money, reminding you when to pay bills and tracking your spending. They can also recommend feasible savings and debt reduction plans that can help you reach your financial goals faster. They can even help you prepare your taxes.

Online banking is good for businesses, too. Commercial bank accounts can be integrated with accounting software like Greentree[®], making it easier to efficiently track and analyze your company's financial records.

Online checking risks

Despite all of the benefits, many people are still hesitant to try Internet banking. Most skeptics cite cases of identity theft and other perceived security risks as the primary reason for their distrust in electronic banking systems.

Today, however, reputable financial institutions use SSL (Secure Sockets Layer), a cryptographic protocol that ensures data integrity and security. Other advanced security features, like multi-factor authentication (a practice that requires users to verify their identity several times before providing account access), make online banking a safe and reliable alternative to traditional banking.

1.6 Need of the System:

There is always a need of a system that will perform to done banking i.e debit and credit, ATM/ChequeBook request, mini statement etc.

This system will reduce the manual operation required to maintain all the records of transaction. And also generates the various reports for analysis. Main concept of the project is to enter transaction reports and to maintain customer records.

2. Hardware and Software Requirements

Contents:

- Introduction
- System environment
- Software requirement
- Hardware requirements

2.1 Introduction:

In this chapter we mentioned the software and hardware requirements, which are necessary for successfully running this system. The major element in building systems is selecting compatible hardware and software. The system analyst has to determine what software package is best for the “**Online Banking System**” and, where software is not an issue, the kind of hardware and peripherals needed for the final conversion.

2.2 System Environment:

After analysis, some resources are required to convert the abstract system into the real one. All the resources, which accomplish a robust

The hardware and software selection begins with requirement analysis, followed by a request for proposal and vendor evaluation.

Software and real system are identified. According to the provided functional specification all the technologies and its capacities are identified. Basic functions and procedures and methodologies are prepared to implement. Some of the Basic requirements such as hardware and software are described as follows: -

Hardware and Software Specification

2.3 Software Requirements:

- Technology: Python Django
- IDE : Pycharm/Atom
- Client Side Technologies: HTML, CSS, JavaScript , Bootstrap
- Server Side Technologies: Python
- Data Base Server: Sqlite
- Operating System: Microsoft Windows/Linux

2.4 Hardware Requirements:

- Intel Processor 2.0 GHz or above.
- 2 GB RAM or more.
- 160 GB or more Hard Disk Drive or above.

3. System Analysis

Contents:

- Purpose
- Project Scope
- Existing System
- Proposed System
- System Overview

3.1 Purpose:

To manage the online banking. It helps to customers to perform transactions from anywhere at any time. It also helps for keep track of previous transactions.

3.2 Project Scope:

This Project investigates the entry threshold for providing a new transaction service channel via the real options approach, where the entry threshold is established by using an internet banking system designed for the use of normal users(individuals), Industrialists, Entrepreneurs, Educational Institutions(Financial sections), Organizations and Academicians under transaction rate uncertainty.

- Customer must have a valid User Id and password to login to the system
- If a wrong password is given thrice in succession, that account will be locked and the customer will not be able to use it. When an invalid password is entered a warning is given to the user that his account is going to get locked.
- After the valid user logs in he is shown the list of accounts he has with the bank.
- On selecting the desired account he is taken to a page which shows the present balance in that particular account number.
- User can request for the details of the last ‘n’ number of transactions that he has performed.
- A report can also be taken of this.

- User can make a funds transfer to another account in the same bank. User is provided with a transaction password which is different from the login password.
- User can transfer funds from his account to any other account with this bank. If the transaction is successful a notification should appear to the customer, in case it is unsuccessful, a proper message should be given to the customer as to why it failed.
- User can request for cheque book/change of address/stop payment of cheque's
- User can view his monthly as well as annual statements. He can also take print out of the same.
- Generate reports at every section
- Administrator can take a back up of the database for every instance that is happening, periodically.

All users are authenticated to avail the services

FAQ section is also included for end users benefit.

3.3 Proposed System:

The Online Banking system is available in the market that can serve customers to done banking online.

3.4 System Overview:

The key features required in the system are as follows:

Registration for online banking by admin.

Adding Beneficiary account by customer.

Transferring amount to the beneficiary added by customer.

Staff must approve for beneficiary activation before it can be used for transferring funds.

Customer gets to know his last login date and time each time he logs in.

Customer can check last 10 transactions made with their account.

Customer can check their account statement within a date range.

Customer can request for ATM and Cheque Book.

Staff will approve requests for ATM card and cheque book.

Admin can add/edit/delete customer as well as staff.

All three of them (customer, staff & admin) can change their password.

Staff and Admin Login pages are hidden from customer for security purpose.

4. Implementation issues

4.1 Python

Python is a widely used general-purpose, high level programming language. It was initially designed by Guido van Rossum in 1991 and developed by Python Software Foundation. It was mainly developed for emphasis on code readability, and its syntax allows programmers to express concepts in fewer lines of code.

Python is a programming language that lets you work quickly and integrate systems more efficiently.

Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including procedural, object-oriented, and functional programming. Python is often described as a "batteries included" language due to its comprehensive standard library.

4.2 HTML

HTML (Hypertext Markup Language) is the set of markup symbols or codes inserted in a file intended for display on a World Wide Web browser page. The markup tells the Web browser how to display a Web page's words and images for the user. Each individual markup code is referred to as an element (but many people also refer to it as a tag). Some elements come in pairs that indicate when some display effect is to begin and when it is to end.

4.3 CASCADING STYLE SHEET (CSS)

Cascading Style Sheets (CSS) are a collection of rules we use to define and modify web pages. CSS are similar to styles in Word. CSS allow Web designers to have much more control over their pages look and layout. For instance, you could create a style that defines the body text to be Verdana, 10 point. Later on, you may easily change the body text to Times New Roman, 12 point by just changing the rule in the CSS. Instead of having to change the font on each page of your website, all you need to do is redefine the style on the style sheet, and it will instantly change on all of the pages that the style sheet has been applied to. With HTML styles, the font change would be applied to each instance of that font and have to be changed in each spot.

CSS can control the placement of text and objects on your pages as well as the look of those objects.

HTML information creates the objects (or gives objects meaning), but styles describe how the objects should appear. The HTML gives your page structure, while the CSS creates the “presentation”. An external CSS is really just a text file with a .css extension. These files can be created with Dreamweaver, a CSS editor, or even Notepad.

The best practice is to design your web page on paper first so you know where you will want to use styles on your page. Then you can create the styles and apply them to your page.

4.4 Javascript

JavaScript is a programming language commonly used in web development. It was originally developed by Netscape as a means to add dynamic and interactive elements to websites. While JavaScript is influenced by Java, the syntax is more similar to C and is based on ECMAScript, a scripting language developed by Sun Microsystems.

JavaScript is a client-side scripting language, which means the source code is processed by the client's web browser rather than on the web server. This means JavaScript functions can run after a webpage has loaded without COMMUNICATING with the server. For example, a

JavaScript function may check a web form before it is submitted to make sure all the required fields have been filled out. The JavaScript code can produce an error message before any information is actually transmitted to the server.

Like server-side scripting languages, such as PHP and ASP, JavaScript code can be inserted anywhere within the HTML of a webpage. However, only the output of server-side code is displayed in the HTML, while JavaScript code remains fully visible in the source of the webpage. It can also be referenced in a separate .JS file, which may also be viewed in a browser.

4.5 Django

Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern. The Django is very demanding due to its rapid development feature. It takes less time to build application after collecting client requirement.

This framework uses a famous tag line: The web framework for perfectionists with deadlines.

5. System Design

Contents:

- Use case diagram
- Class Diagram
- Sequence Diagram
- Data flow diagram

5.1 Use Case Diagram:

- Use case diagram consists of use cases and actors and shows the interaction between them. The key points are:
- The main purpose is to show the interaction between the use cases and the actor.
- To represent the system requirement from user's perspective.
- The use cases are the functions that are to be performed in the module.

Fig.5.1

Use Case Diagram - Admin

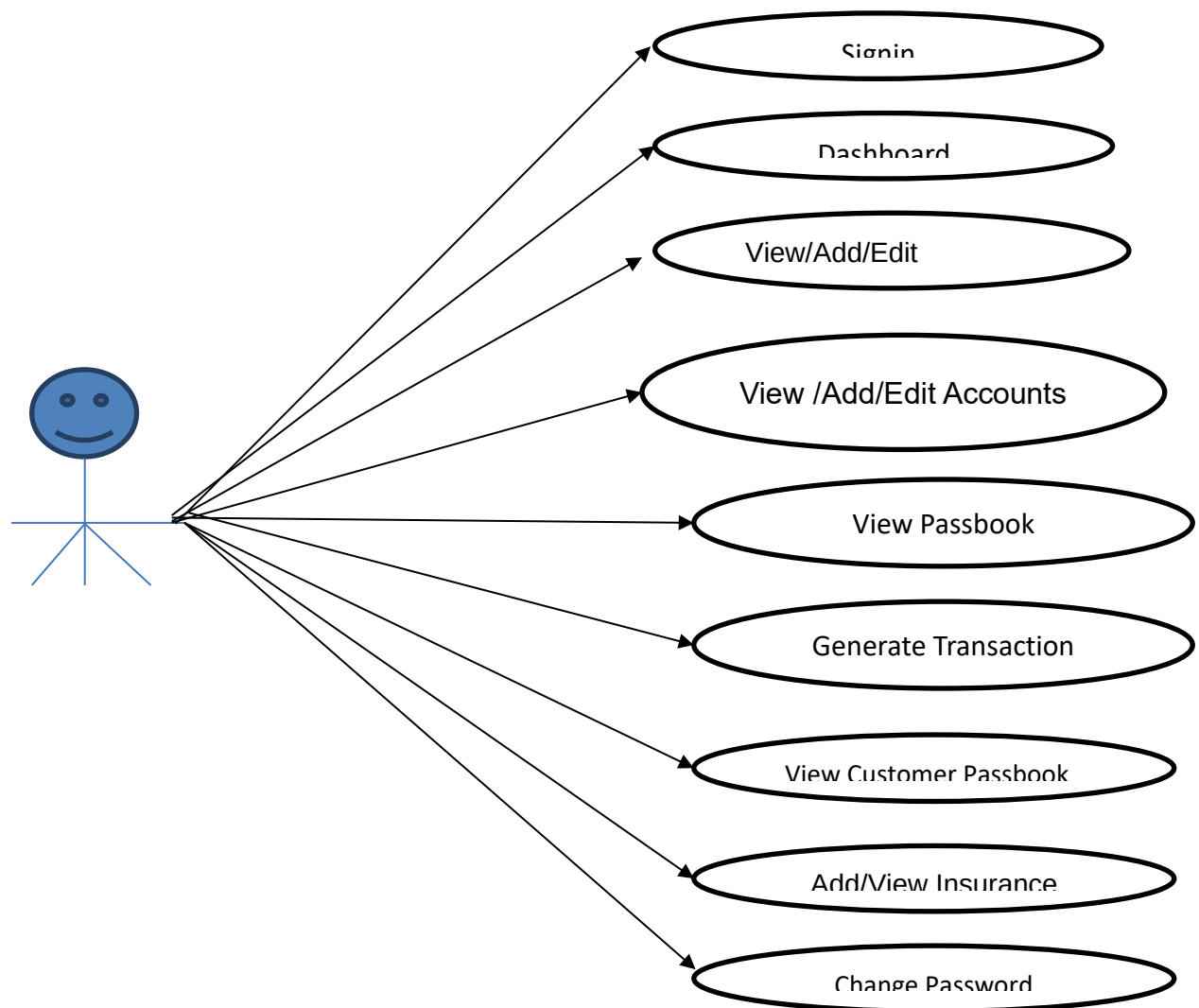
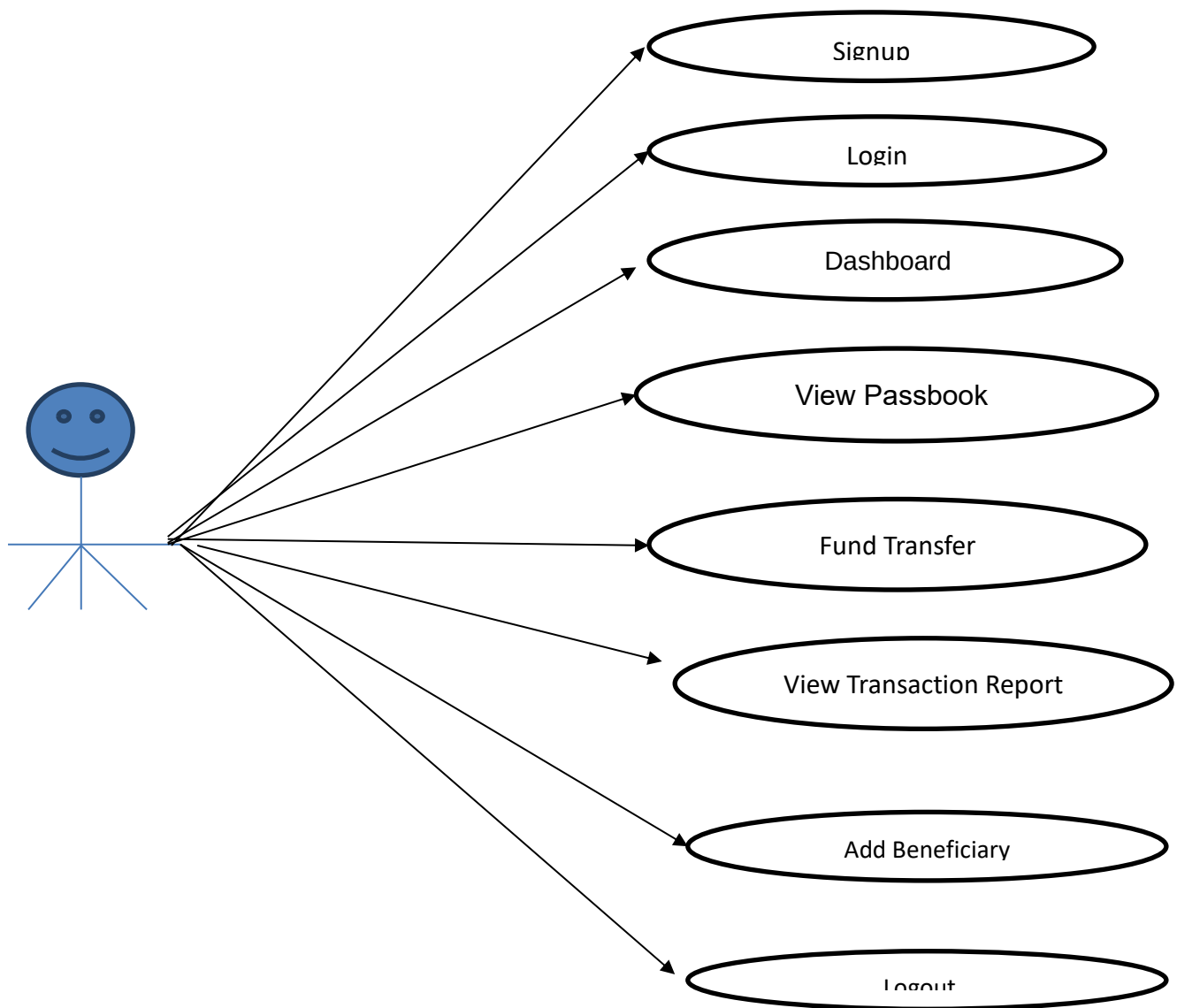


Fig.5.2

Use Case Diagram - Customer



5.2 Class Diagram:

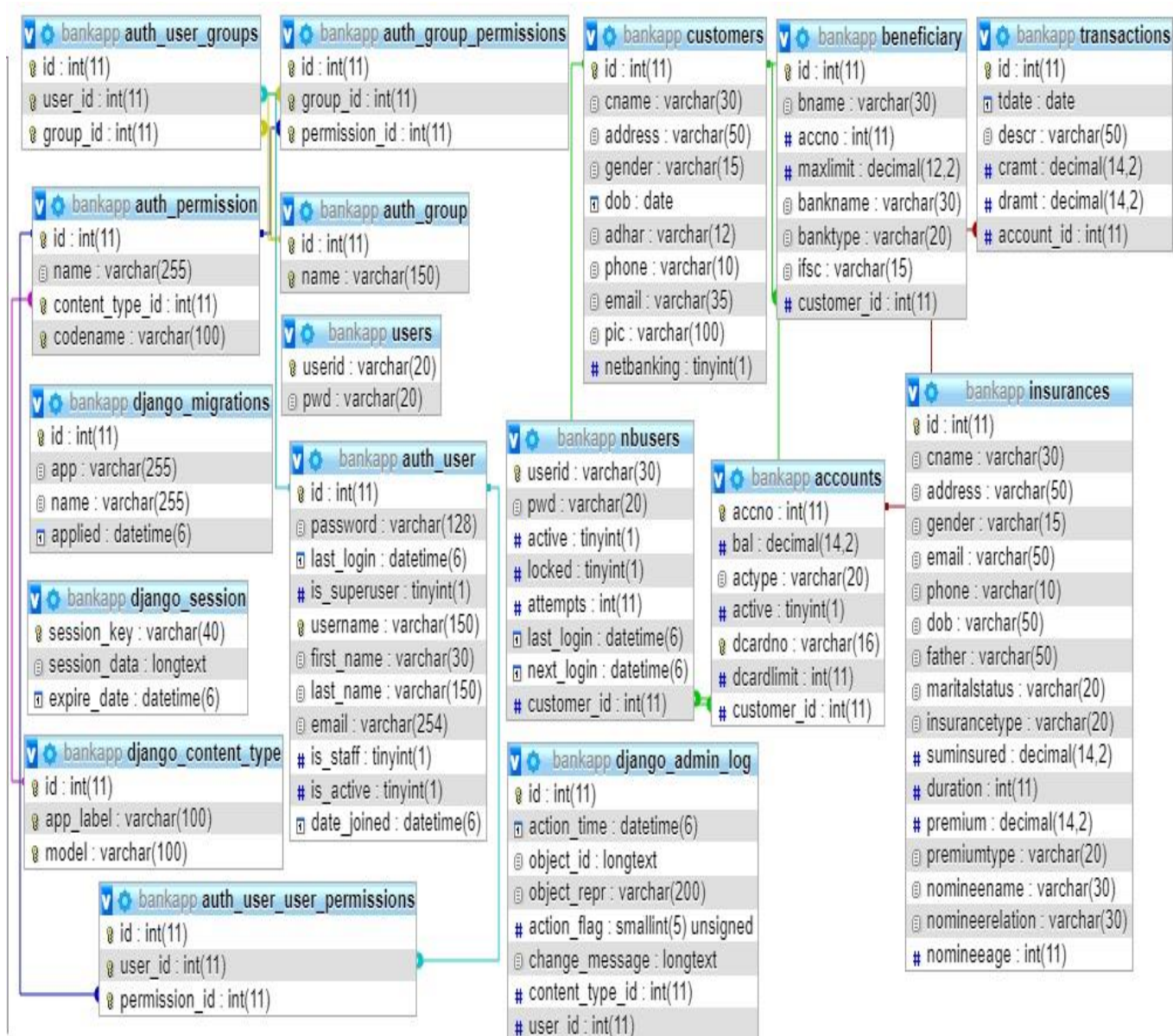


Fig.5.3

Sequence Diagram For Administrator:-

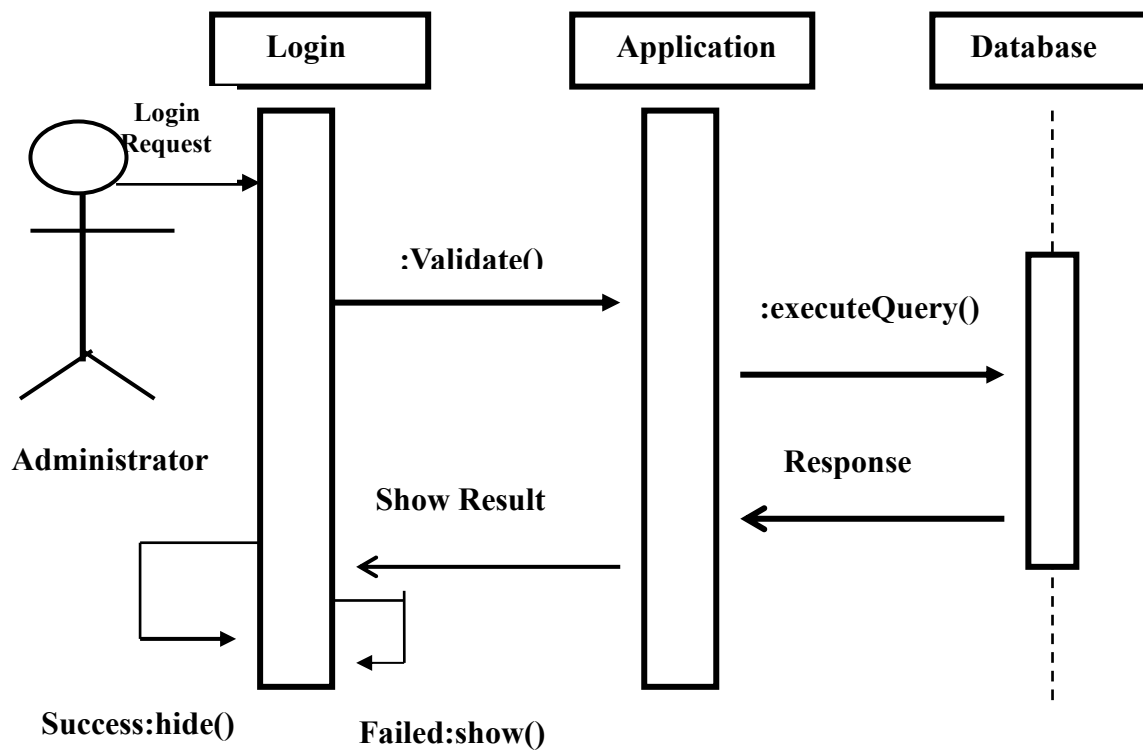


Fig.5.4

Sequence Diagram For User:-

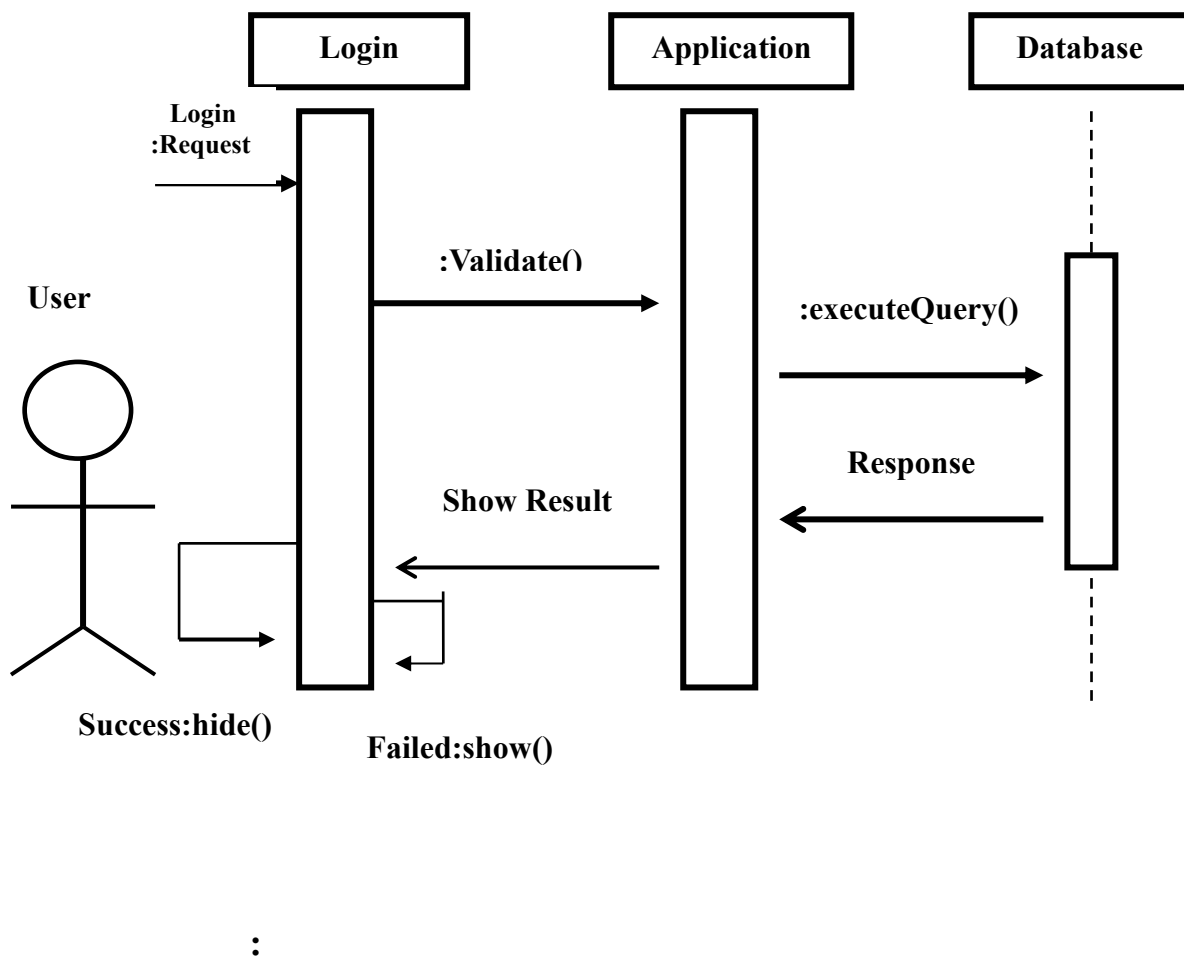


Fig.5.5

5.3 Data Flow Diagram

A Data Flow Diagram (DFD) is a graphical representation of the "flow" of data through an

Information System. A data flow diagram can also be used for the visualization of Data Processing. It is common practice for a designer to draw a context-level DFD first which shows the interaction between the system and outside entities. This context-level DFD is then "exploded" to show more detail of the system being modeled.

A DFD represents flow of data through a system. Data flow diagrams are commonly used during problem analysis. It views a system as a function that transforms the input into desired output. A DFD shows movement of data through the different transformations or processes in the system.

Dataflow diagrams can be used to provide the end user with a physical idea of where the data they input ultimately has an effect upon the structure of the whole system from order to dispatch to restock how any system is developed can be determined through a dataflow diagram. The appropriate register saved in database and maintained by appropriate authorities.

Data Flow Diagram Notation

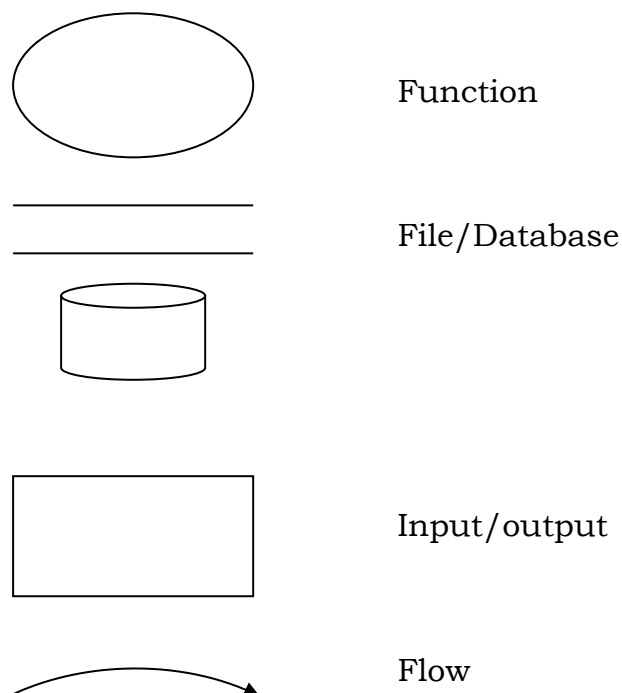
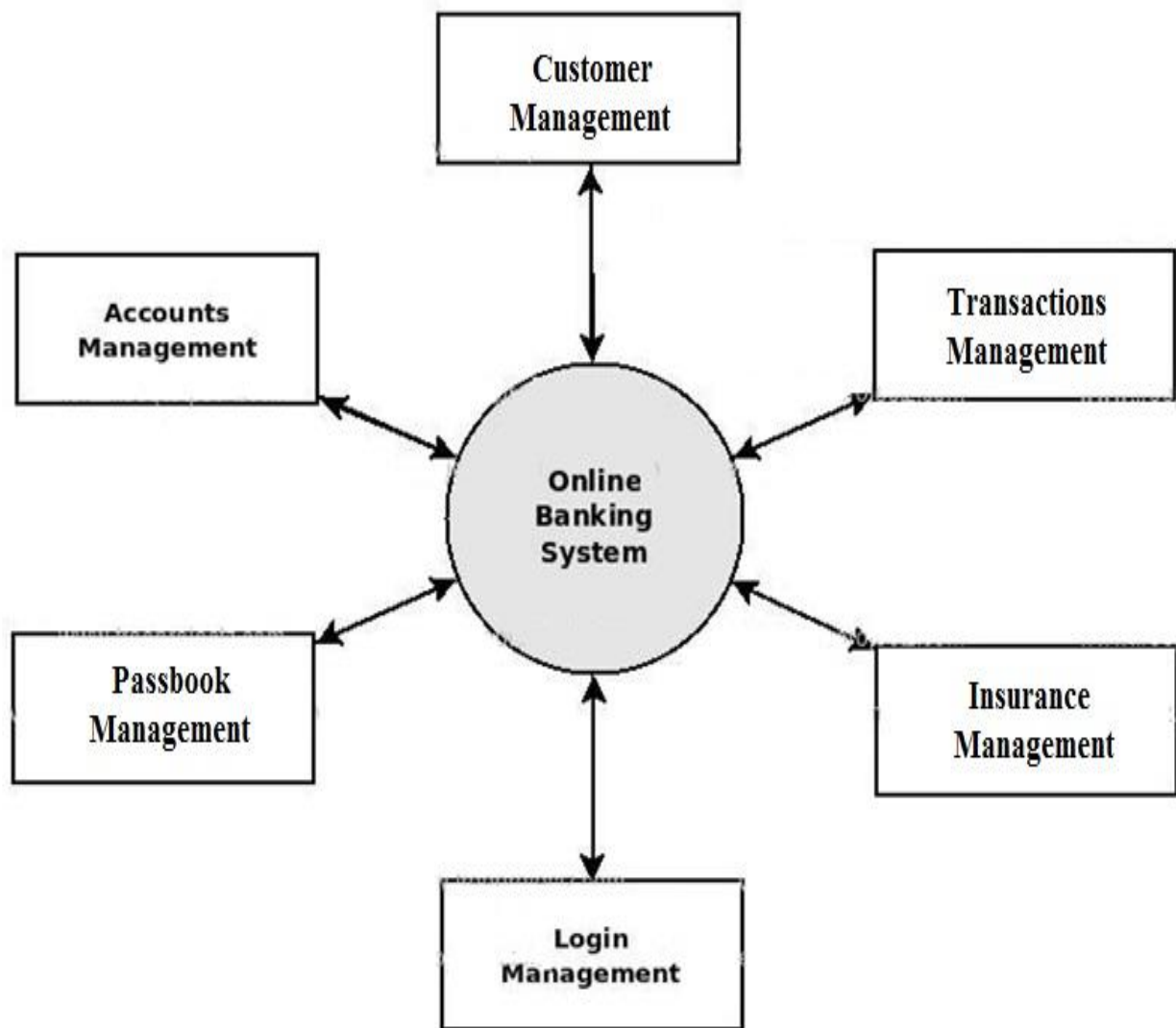
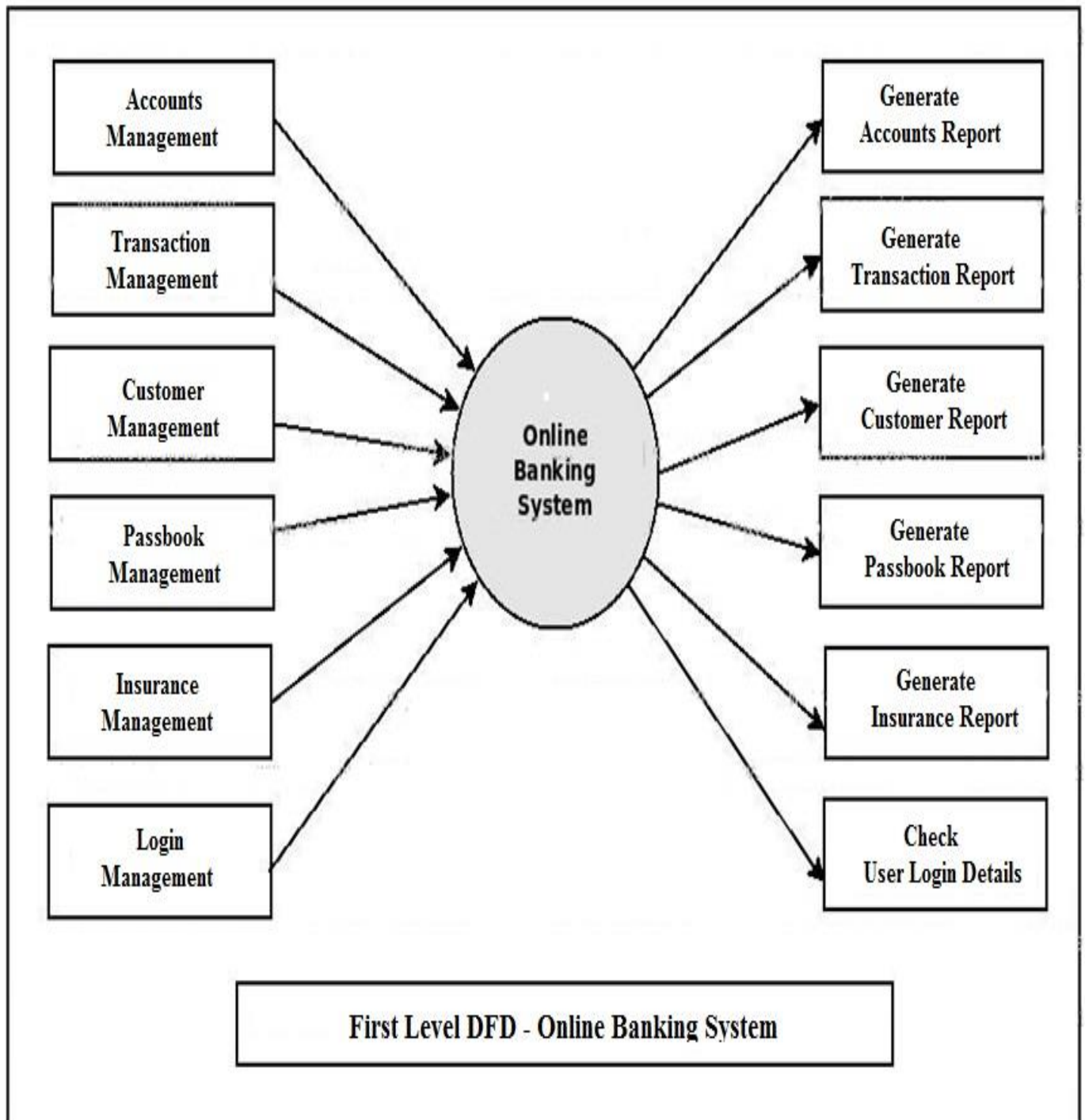


Fig.5.6 Data Flow Diagram



Zero Level DFD - Online Banking System



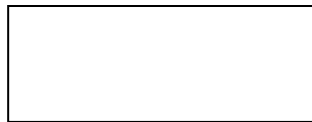
5.4 Entity Relationship Diagrams (ER-Diagrams):

An entity-relationship (ER) diagram is a specialized graphic that illustrates the interrelationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes

An **entity-relationship model (ERM)** in software engineering is an abstract and conceptual representation of data. Entity-relationship modeling is a relational schema database modeling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database, and its requirements in a top-down fashion.

5.5 Symbols used in this E-R Diagram:

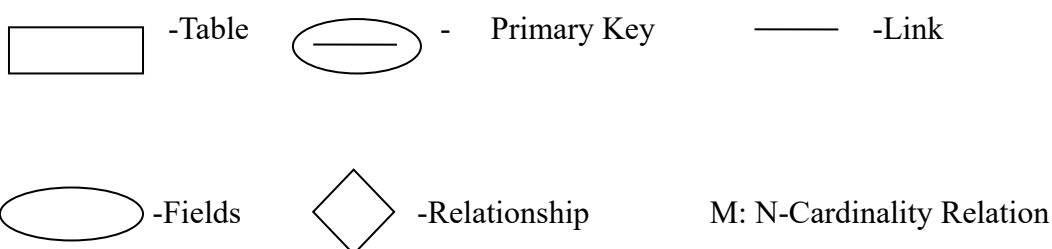
Entity: Entity is a “thing” in the real world with an independent existence. An entity may be an object with a physical existence such as person, car or employee. Entity symbol is as follows

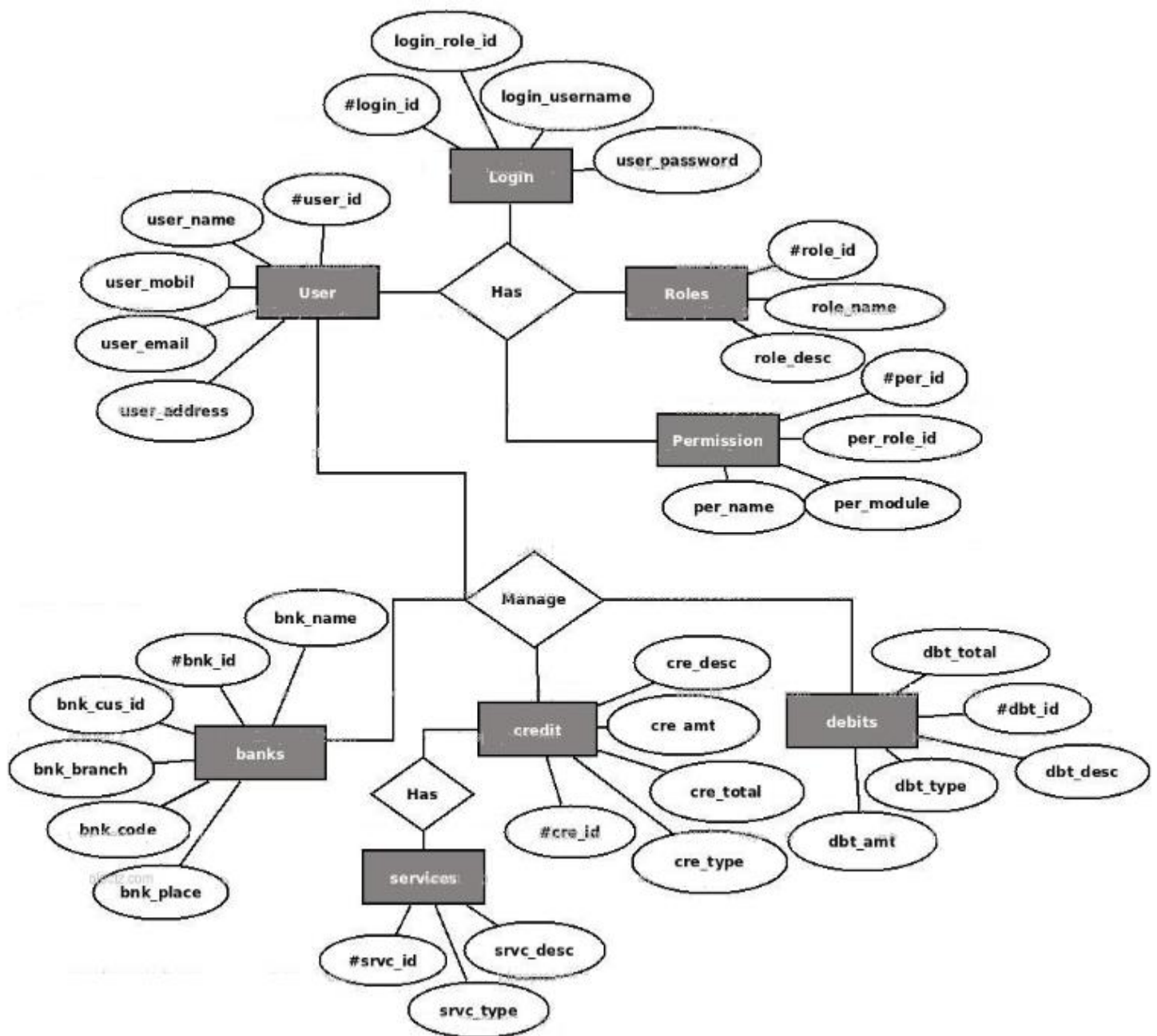


Attribute: Attribute is a particular property that describes the entity. Attribute symbol is

Relationship: Relationship will be several implicit relationships among various entity types whenever an attribute of one entity refers to another entity type some relationship exists.

Key attributes: An entity type usually has an attribute whose values are distinct for each individual entity in the collection. Such an attribute is called key attribute.





6. User Screens and Report

Output screens

HOME PAGE

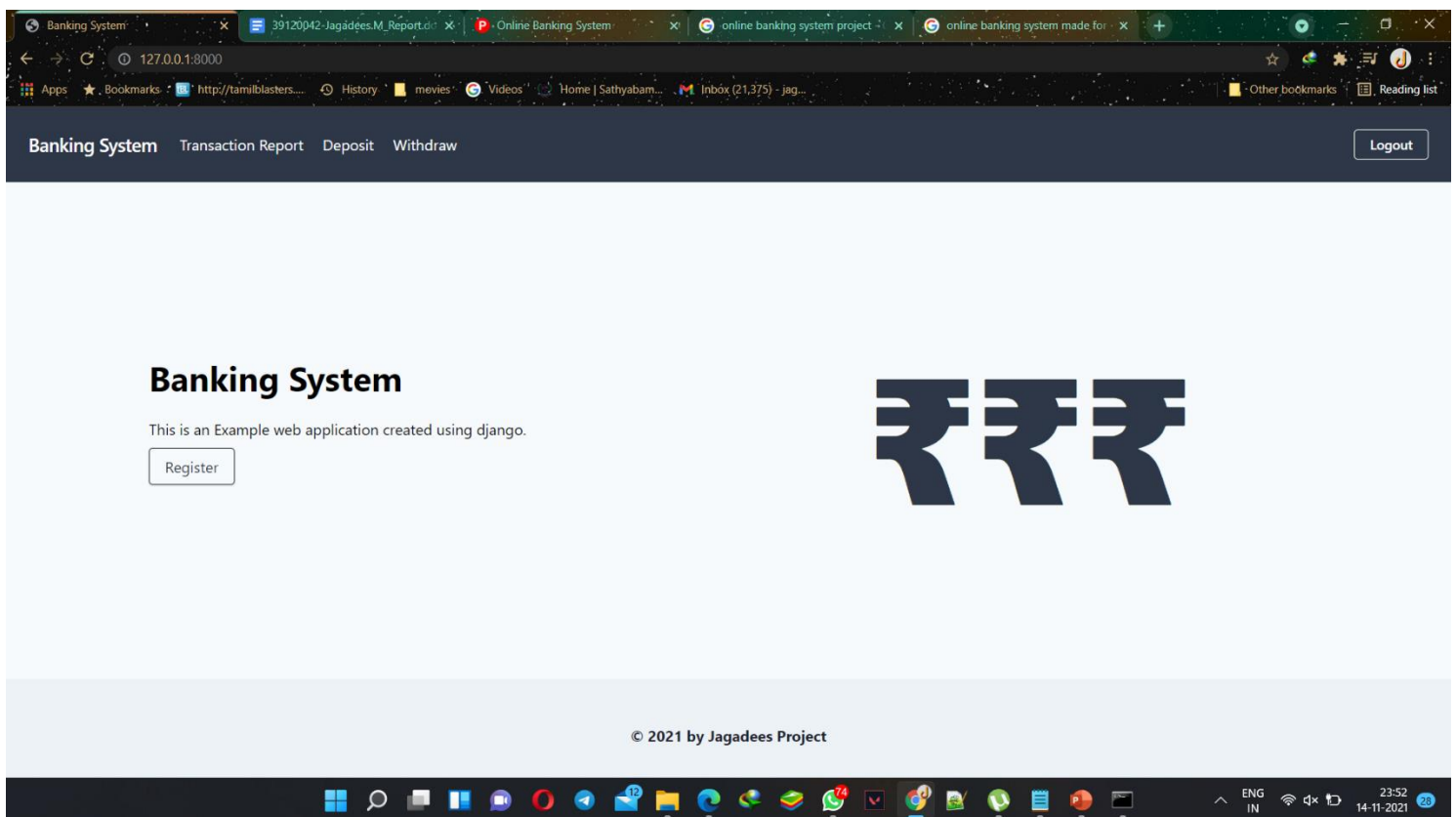


Fig.6.1

USER REGISTER PAGE

Banking System

Login Register

Register

FIRST NAME	LAST NAME
EMAIL	ACCOUNT TYPE
GENDER	BIRTH DATE
Male	
PASSWORD	PASSWORD CONFIRMATION
STREET ADDRESS	CITY

Fig.6.2

DEPOSIT PAGE

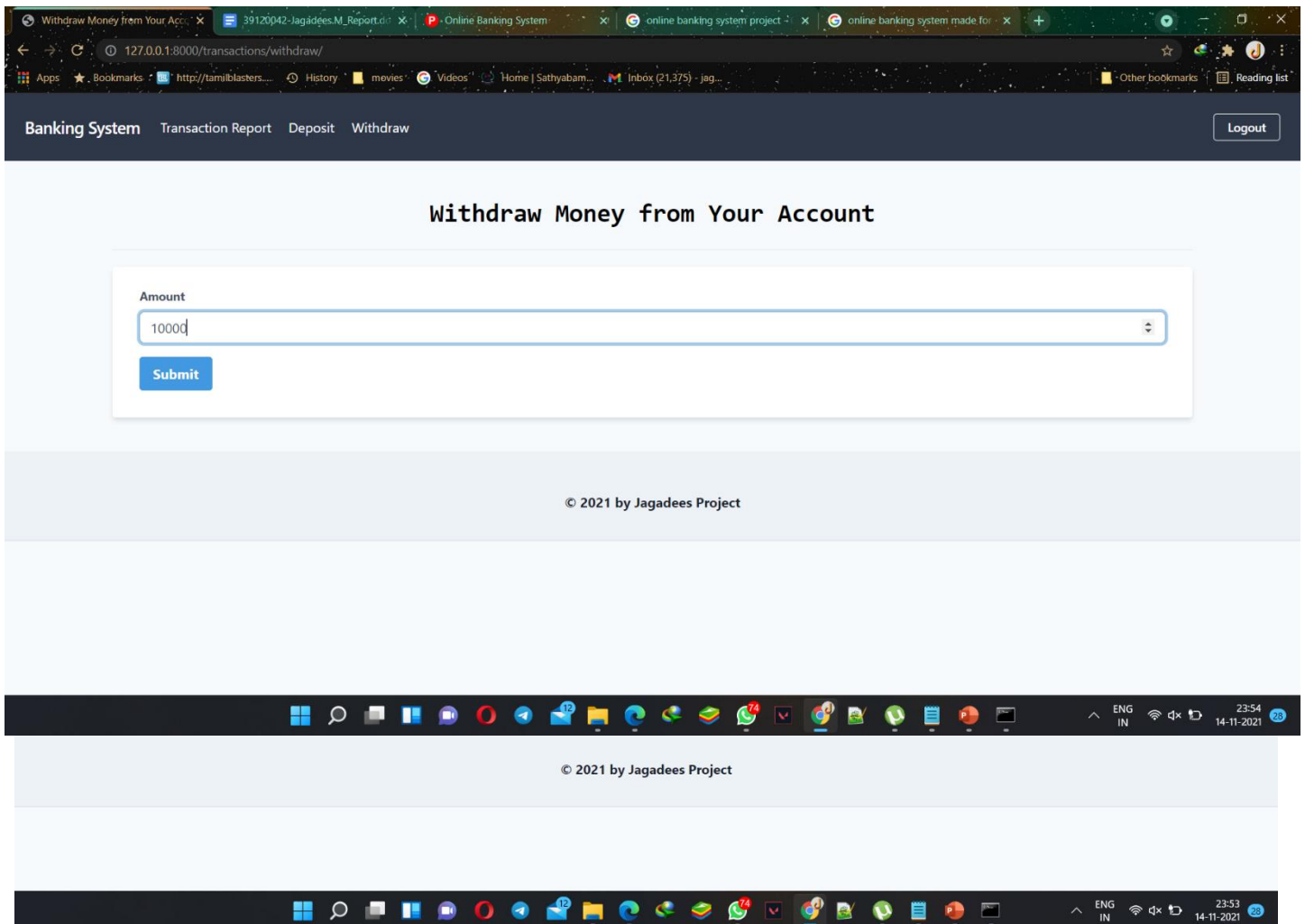


Fig.6.3

WITHDRAW PAGE

Fig.6.4

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'Transaction Report' and shows a URL of '127.0.0.1:8000/transactions/report/'. The browser's address bar and tabs are visible at the top. Below the browser window, there is a dark blue navigation bar with the text 'Banking System' and links for 'Transaction Report', 'Deposit', and 'Withdraw'. A 'Logout' button is located on the right side of this bar. Below the navigation bar, a light green success message box displays an information icon, the word 'Success!', and the text 'Successfully withdrawn 1000\$ from your account'. The main content area is titled 'Transaction Report' and features a search bar with the placeholder text 'Filter using date range' and a magnifying glass icon. Below the search bar is a table with four columns: 'TRANSACTION TYPE', 'DATE', 'AMOUNT', and 'BALANCE AFTER TRANSACTION'. The table contains three rows of data: a 'Deposit' of ₹ 20000.00 on Nov. 14, 2021, at 6:23 p.m.; a 'Withdrawal' of ₹ 1000.00 on Nov. 14, 2021, at 6:24 p.m.; and a 'Final Balance' of ₹ 19000.00. The footer of the page shows '© 2021 by Jagadees Project'. The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 23:54 on 14-11-2021.

Transaction Report

127.0.0.1:8000/transactions/report/

Banking System Transaction Report Deposit Withdraw Logout

Success!
Successfully withdrawn 1000\$ from your account

Transaction Report

Filter using date range

TRANSACTION TYPE	DATE	AMOUNT	BALANCE AFTER TRANSACTION
Deposit	Nov. 14, 2021, 6:23 p.m.	₹ 20000.00	₹ 20000.00
Withdrawal	Nov. 14, 2021, 6:24 p.m.	₹ 1000.00	₹ 19000.00
Final Balance			₹ 19000.00

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TRANSACTION REPORT PAGE

Fig.6.5

The screenshot displays a web application interface for a banking system. The main content area shows a 'Transaction Report' page. On the left, there is a sidebar with a 'Banking System' header and a 'Transaction Report' section. The report itself has a 'Filter using date range' input field and a 'Logout' button. The report data is presented in two tables. The first table shows transactions for Nov. 14, 2021, with a total balance of ₹ 20000.00. The second table shows transactions for Nov. 14, 2021, with a total balance of ₹ 806050.00. A 'Print' overlay is visible on the right side of the screen, showing settings for '2 sheets of paper', 'Destination: Adobe PDF', 'Pages: All', 'Layout: Landscape', and 'Color: Black and white'. The 'Print' button is highlighted in blue.

Transaction Report

Filter using date range:

Please select a date range:

TRANSACTION TYPE	DATE	AMOUNT	BALANCE AFTER TRANSACTION
Deposit	Nov. 14, 2021, 6:23 p.m.	₹ 20000.00	₹ 20000.00
Withdrawal	Nov. 14, 2021, 6:24 p.m.	₹ 1000.00	₹ 19000.00
Withdrawal	Nov. 14, 2021, 6:25 p.m.	₹ 4500.00	₹ 14500.00

127.0.0.1:8000/transactions/report?daterange=

Transaction Report

Filter using date range:

Please select a date range:

TRANSACTION TYPE	DATE	AMOUNT	BALANCE AFTER TRANSACTION
Withdrawal	Nov. 14, 2021, 6:25 p.m.	₹ 3950.00	₹ 10550.00
Withdrawal	Nov. 14, 2021, 6:25 p.m.	₹ 4500.00	₹ 6050.00
Deposit	Nov. 14, 2021, 6:25 p.m.	₹ 800000.00	₹ 806050.00
Final Balance			₹ 806050.00

127.0.0.1:8000/transactions/report?daterange=

Print

2 sheets of paper

Destination: Adobe PDF

Pages: All

Layout: Landscape

Color: Black and white

More settings

Print Cancel

TRANSACTION REPORT PAGE(PDF)

Fig.6.6

ADMIN LOGIN PAGE

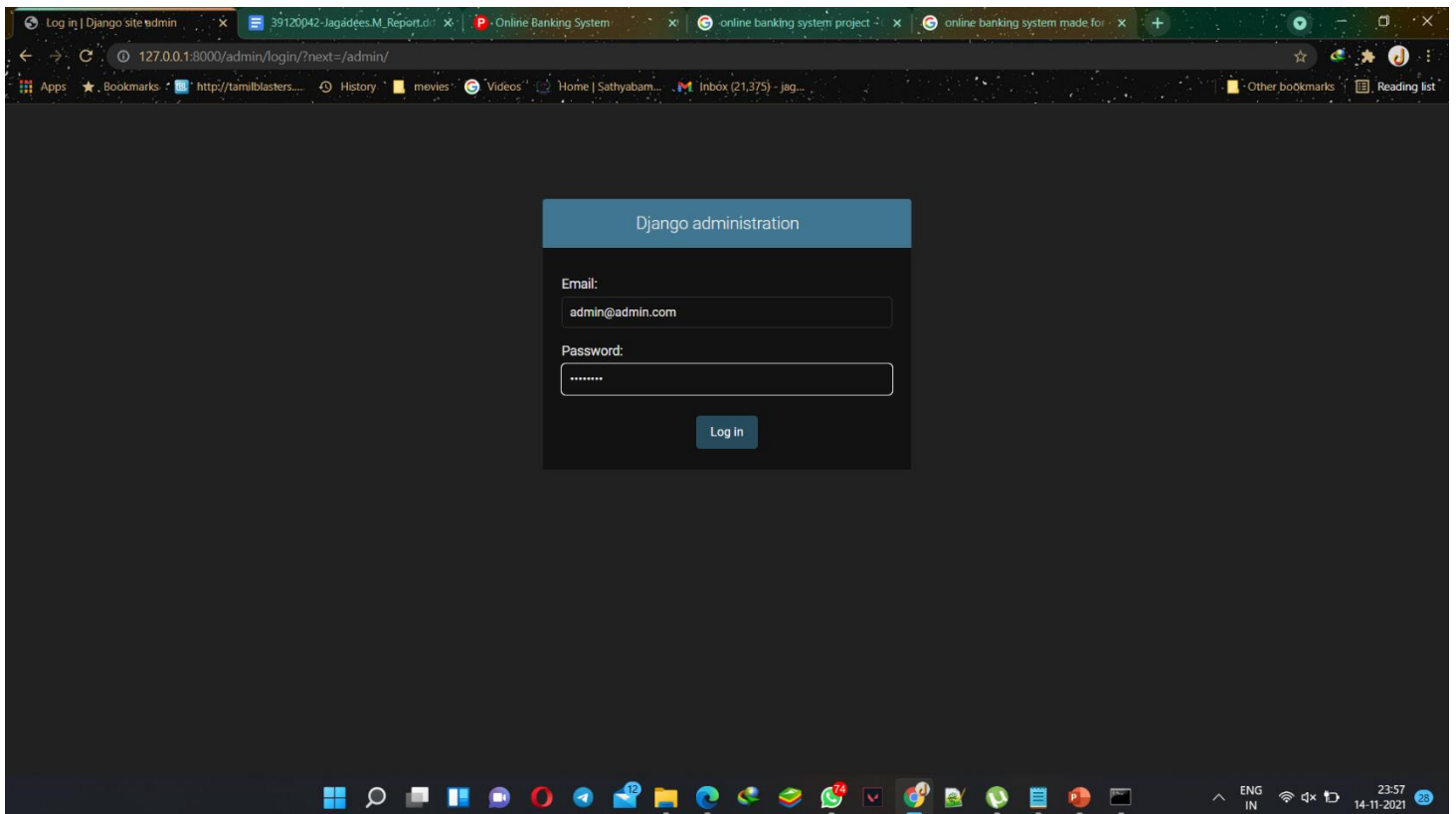


Fig.6.7

ADMIN PAGE

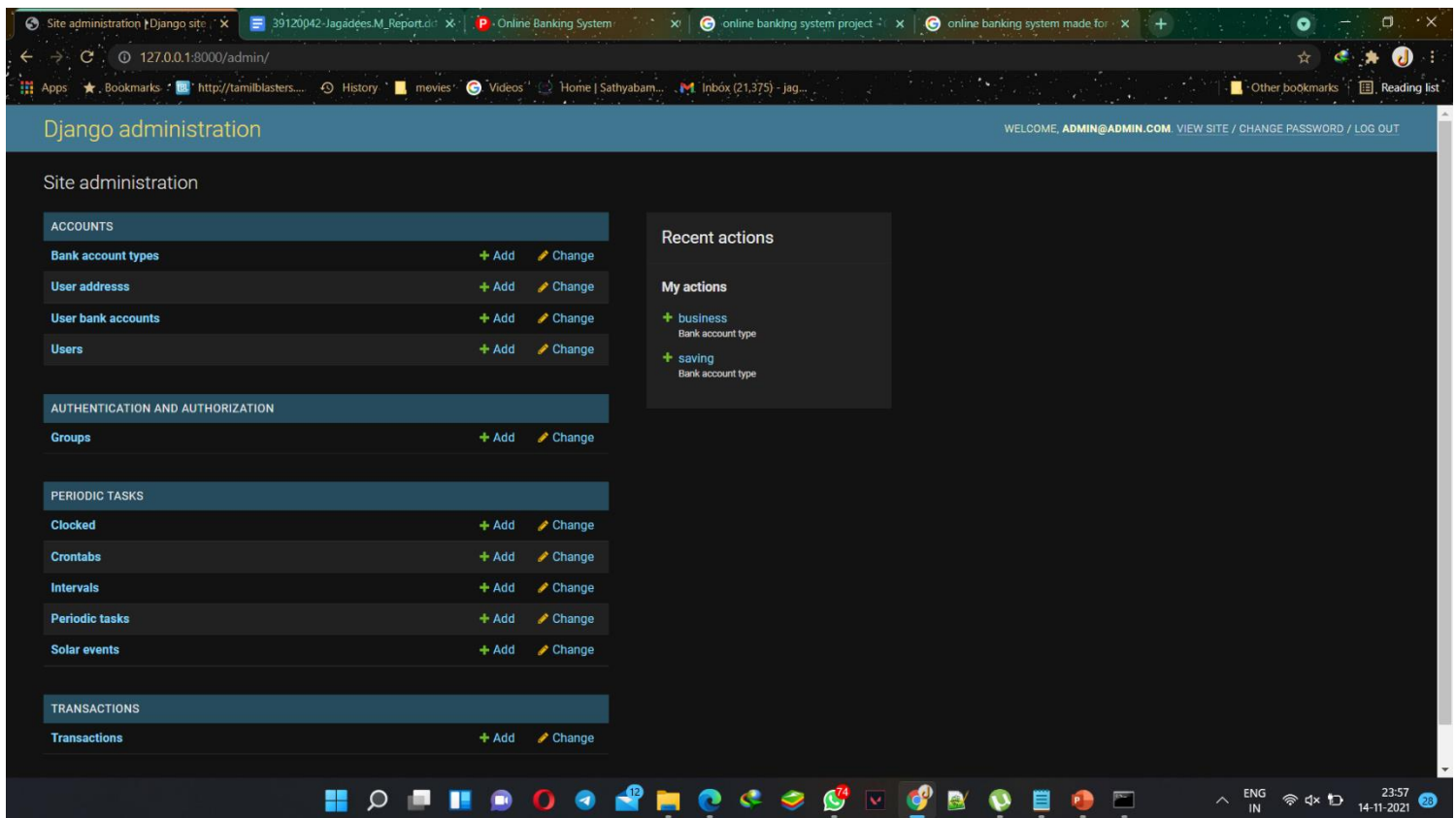


Fig.6.8

USERS BANK ACCOUNT DETAILS PAGE

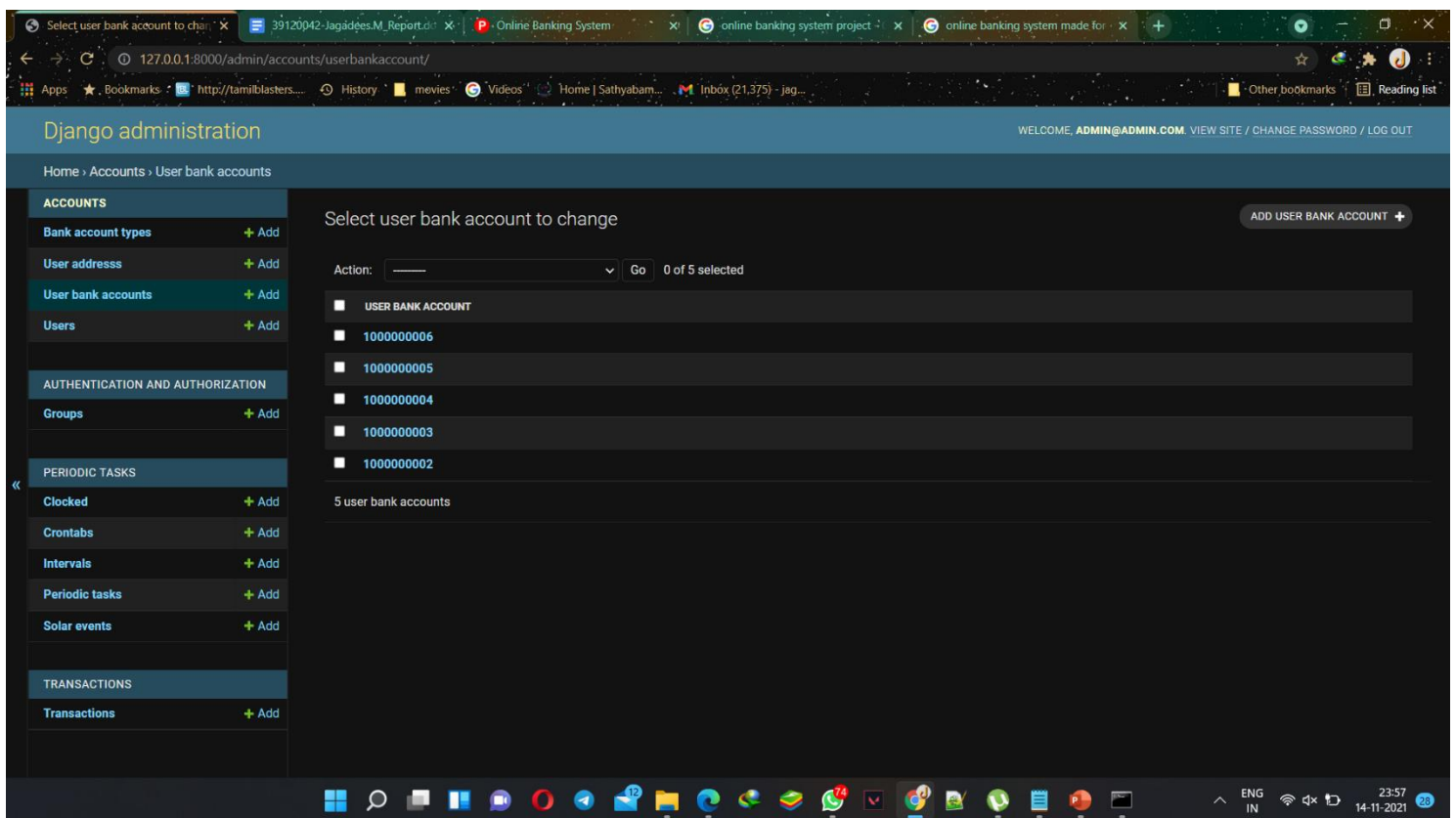


Fig.6.9

ACCOUNT TYPE PAGE

The screenshot displays the Django administration interface for an online banking system. The browser's address bar shows the URL `127.0.0.1:8000/admin/accounts/bankaccounttype/2/change/`. The page title is "Django administration". The sidebar on the left contains the following sections:

- ACCOUNTS**
 - Bank account types (+ Add)
 - User address (+ Add)
 - User bank accounts (+ Add)
 - Users (+ Add)
- AUTHENTICATION AND AUTHORIZATION**
 - Groups (+ Add)
- PERIODIC TASKS**
 - Clocked (+ Add)
 - Crontabs (+ Add)
 - Intervals (+ Add)
 - Periodic tasks (+ Add)
 - Solar events (+ Add)
- TRANSACTIONS**
 - Transactions (+ Add)

The main content area is titled "Change bank account type" and shows the details for a "business" account. The form includes the following fields:

- Name:** business
- Maximum withdrawal amount:** 100000000.00
- Annual interest rate:** 0.00 (Interest rate from 0 - 100)
- Interest calculation per year:** 1 (The number of times interest will be calculated per year)

At the bottom of the form, there are four buttons: "Delete", "Save and add another", "Save and continue editing", and "SAVE". The top right of the page shows the user is logged in as "ADMIN@ADMIN.COM" with links for "VIEW SITE", "CHANGE PASSWORD", and "LOG OUT". The system clock at the bottom right indicates the time is 23:58 on 14-11-2021.

Fig.6.10

TRANSACTION DETAILS PAGE

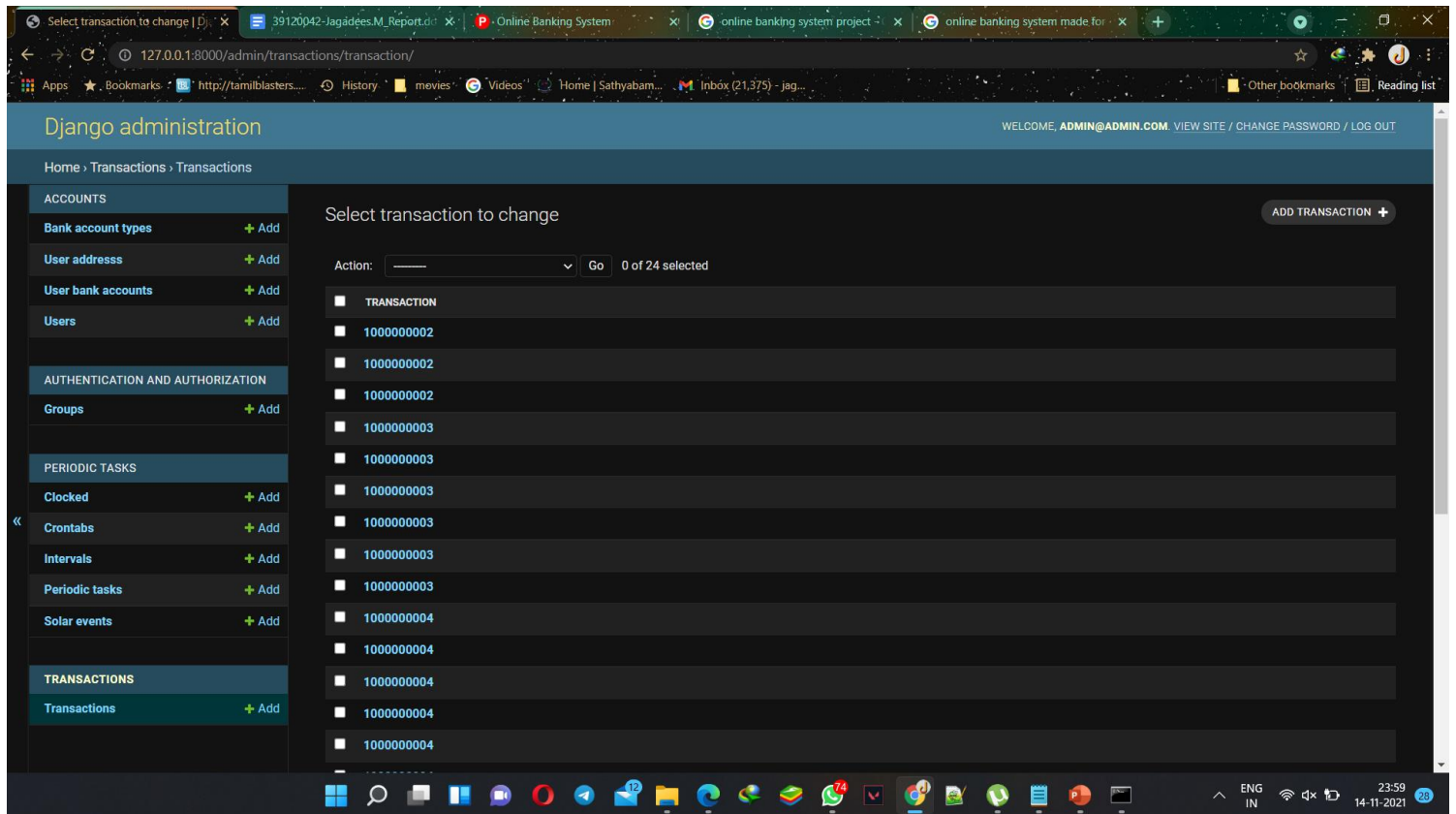


Fig.6.11

CHANGE USER BANK ACCOUNT TYPE PAGE

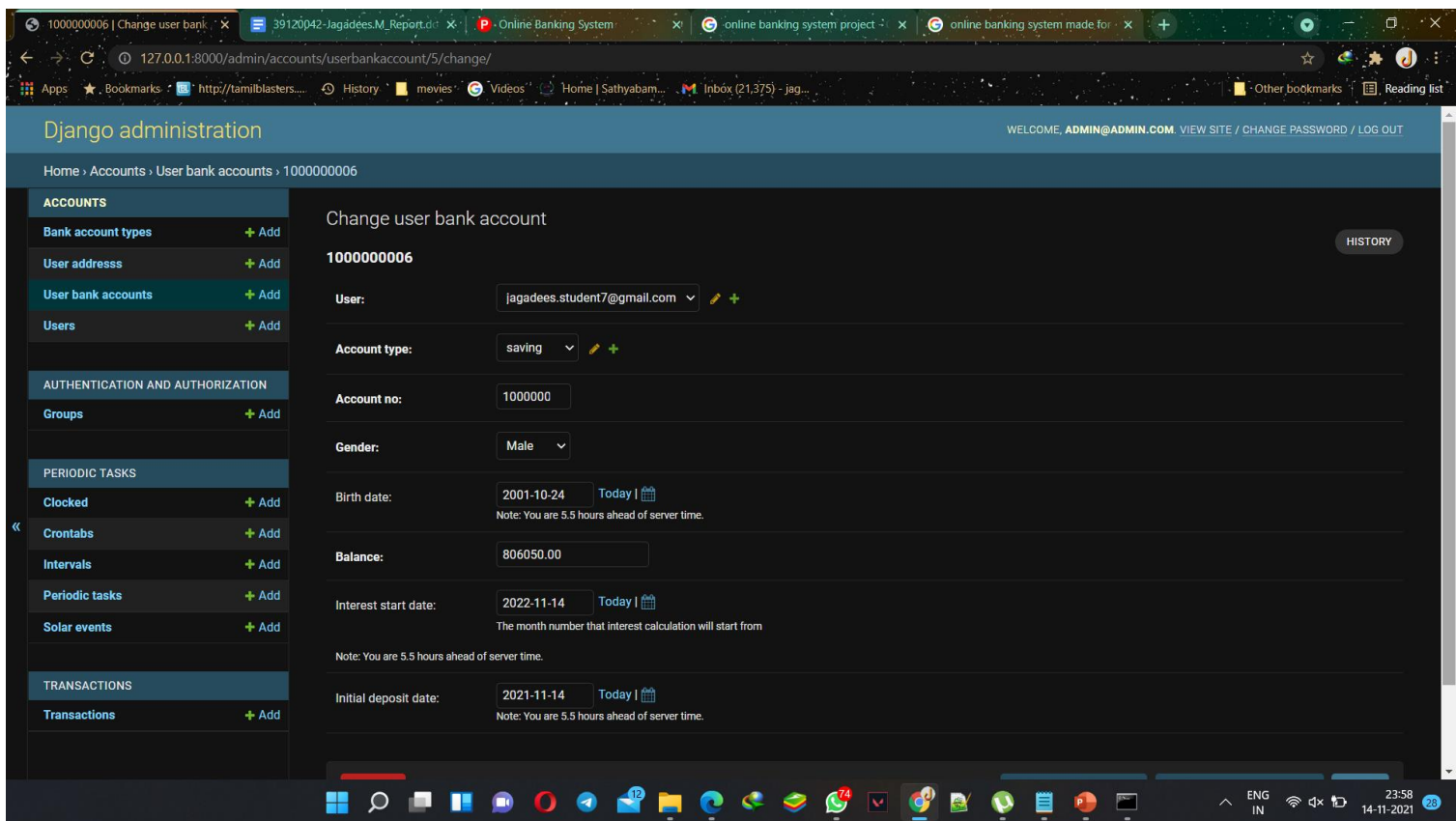


Fig.6.12

7.Coding

HOME PAGE CODING

```
{% load static %}
<!DOCTYPE HTML>
<html lang="zxx">
<head>
<title>Online Banking</title>
<!-- Meta tag Keywords -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);
function hideURLbar(){ window.scrollTo(0,1); } </script>
<!--// Meta tag Keywords -->
<!-- css files -->
<link href="{% static 'css/bootstrap2.css' %}" rel="stylesheet" type="text/css"
media="all" /> <!-- Bootstrap-Core-CSS -->
<link href="{% static 'css/style.css' %}" rel="stylesheet" type="text/css" media="all" />
<!-- Style-CSS -->
<link rel="stylesheet" href="{% static 'css/font-awesome.css' %}"> <!-- Font-Awesome-
Icons-CSS -->
<link rel="stylesheet" href="{% static 'css/flexslider.css' %}" type="text/css"
media="all" /> <!-- Banner-Slider-CSS -->
<!-- //css files -->
<link rel="stylesheet" type="text/css" href="{% static 'css/demo.css' %}" />
<!-- online-fonts -->
<link
href="//fonts.googleapis.com/css?family=Dosis:200,300,400,500,600,700,800&subse
t=latin-ext" rel="stylesheet">
<link
```

```

href="//fonts.googleapis.com/css?family=Ubuntu+Condensed&subset=cyrillic,cyrillic-ext,greek,greek-ext,latin-ext" rel="stylesheet">
<!-- //online-fonts -->
<style>
    .text-error{
        color:red;
    }
</style>
</head>
<body>

<!-- navigation -->
<div class="nav-links">
    <div class="header-w3l">
        <div class="container">
            <a                                class="navbar-brand"
href="index.html"><h1><span>Online</span> Banking</h1></a>
                {% if messages %}
                {% for message in messages %}
                <div class="alert text-{{message.tags}} text-center"
style="font-weight: bold;display:inline-block;width:50%;font-size: 20px;">
                    {{ message }}
                </div>
                {% endfor %}
                {% endif %}
                <div class="call-w3l">
                    <a href="/login">
                        </a>
                    </div>
                <div class="clearfix"></div>
            </div>
        </div>

```

```

<nav class="navbar navbar-inverse">
  <div class="navbar-header">
    <button type="button" class="navbar-toggle" data-
toggle="collapse" data-target="#myNavbar">
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
    </button>
  </div>
  <div class="collapse navbar-collapse" id="myNavbar">
    <div class="w3l-nav">
      <ul class="nav navbar-nav link-effect">
        <li class="active"><a href="/">Home</a></li>
        <li><a href="#about" class="scroll">About
Us</a></li>
        <li><a href="#services"
class="scroll">Services</a></li>
        <li><a href="#team" class="scroll">Team</a></li>
        <li><a href="#contact" class="scroll">Register
Now</a></li>
        <li><a href="#login" class="scroll">Login</a></li>
      </ul>
    </div>
  </div>
</nav>

  <div class="clearfix"></div>
</div>
<!-- //navigation -->
<!-- banner section -->
<div class="banner-slider">
  <div class="container">
    <!--Slider-->
    <div class="callbacks_container">

```

```

<ul class="rslides" id="slider3">
  <li>
    <div class="w3l_banner_info">
      <h3>Merchant accounts and
credit card processing</h3>
      <p>Sed ut perspiciatis unde
omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem
aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta
sunt explicabo.</p>
      <div
class="agileits_w3layouts_more menu__item">
        <a href="#"
class="menu__link" data-toggle="modal" data-target="#myModal">Learn More</a>
      </div>
    </div>
  </li>
  <li>
    <div class="w3l_banner_info">
      <h3>Don't hesitate to accept
credit cards today!</h3>
      <p>Sed ut perspiciatis unde
omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem
aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta
sunt explicabo.</p>
      <div
class="agileits_w3layouts_more menu__item">
        <a href="#"
class="menu__link" data-toggle="modal" data-target="#myModal">Learn More</a>
      </div>
    </div>
  </li>
  <li>
    <div class="w3l_banner_info">
      <h3>Merchant accounts and

```

credit card processing</h3>

<p>Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.</p>

<div class="agileits_w3layouts_more menu__item">
Learn More
</div>

</div>

<div class="w3l_banner_info">
<h3>Don't hesitate to accept credit cards today!</h3>

<p>Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.</p>

<div class="agileits_w3layouts_more menu__item">
Learn More
</div>

</div>

</div>
<!-- //Slider -->
</div>

</div>
<!-- Modal1 -->

```

<div class="modal fade" id="myModal" tabindex="-1" role="dialog">
  <div class="modal-dialog">
    <!-- Modal content-->
    <div class="modal-content">
      <div class="modal-header">
        <button type="button" class="close" data-
dismiss="modal">&times;</button>
        
        <h5>Donec lobortis pharetra dolor</h5>
        <p>Lorem Ipsum is simply dummy text of the
printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy
text ever since the 1500s, rds which don't look even slightly believable..</p>
      </div>
    </div>
    <!-- //Modal content-->
  </div>
</div>
<!-- //Modal1 -->
<!-- //banner section -->
<!-- about -->
<div class="about" id="about">
  <div class="container">
    <h3 class="w3l-title"><span>About</span> Us</h3>
    <div class="w3-agileits-about-grids">
      <div class="col-md-5 agile-about-right">
        
      </div>
      <div class="col-md-7 agile-about-left">
        <h3 class="w3l-sub">Offering the most </h3>
        <p class="sub-p">competitive rates and fees</p>
        <p class="sub-p2">Lorem ipsum dolor sit amet, do eiusmod
magna aliqua</p>
        <p class="sub-p3">Lorem ipsum dolor sit amet, do eiusmod

```

tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>

</div>

<div class="clearfix"> </div>

</div>

</div>

</div>

<!-- //about -->

<!-- wthree-slid -->

<div class="wthree-slid">

<div class="col-sm-6 col-xs-8 wthree-slid-right">

<h4>The best way to save your time and money</h4>

<p>Express bank will save your time, money and improve the way you manage your business finances. You will have the control you need, with multiple disbursement and payment options, along with many other cash management features to help you optimize your business cash flow</p>

Contact Us

</div>

<div class="col-sm-6 col-xs-4 wthree-slid-left">

</div>

<div class="clearfix"> </div>

</div>

<!-- wthree-slid -->

<!-- services -->

<div class="services" id="services">

<div class="container">

<h3 class="w3l-title">Our Services</h3>

<div class="col-md-4 services-grids-1">

</div>

<div class="col-md-4 services-grids">

<div class="wthree-services-grid">

<div class="wthree-services-icon">

```

        <i        class="fa        fa-money"        aria-
hidden="true"></i>

</div>
<div class="wthree-services-info">
    <h5>Free Online </h5>
    <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>

</div>
</div>
<div class="wthree-services-grid w3l-agile">
    <div class="wthree-services-icon">
        <i        class="fa        fa-user"        aria-
hidden="true"></i>

</div>
<div class="wthree-services-info">
    <h5>Accept All Major</h5>
    <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>

</div>
</div>
<div class="wthree-services-grid">
    <div class="wthree-services-icon">
        <i class="fa fa-car" aria-hidden="true"></i>
    </div>
    <div class="wthree-services-info">
        <h5>Sales & Trading</h5>
        <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>

    </div>
</div>
</div>
<div class="col-md-4 services-grids w3l-seco">
    <div class="wthree-services-grid">
        <div class="wthree-services-icon">

```

```

                <i class="fa fa-cog" aria-hidden="true"></i>
            </div>
            <div class="wthree-services-info">
                <h5>Fast Setup</h5>
                <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>
            </div>
        </div>
        <div class="wthree-services-grid w3l-agile">
            <div class="wthree-services-icon">
                <i class="fa fa-signal" aria-
hidden="true"></i>
            </div>
            <div class="wthree-services-info">
                <h5>Financial Advisors</h5>
                <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>
            </div>
        </div>
        <div class="wthree-services-grid">
            <div class="wthree-services-icon">
                <i class="fa fa-credit-card" aria-
hidden="true"></i>
            </div>
            <div class="wthree-services-info">
                <h5>Tax Consulting</h5>
                <p>Ut at sagittis nisi,Cras porttitor a purus ac
rutrum. </p>
            </div>
        </div>
        <div class="clearfix"> </div>
    </div>
</div>

```

```

<!-- //services -->
<!--stats-->
<div data-vide-bg="video/coins">
  <div class="stats center-container" id="stats">
    <div class="container">
      <div class="stats-info">
        <div class="col-md-4 col-xs-4 stats-grid slideanim">
          <i class="fa fa-user-o" aria-hidden="true"></i>
          <div class="agile-one">
            <h4 class="stats-info">Employees</h4>
            <div class='numscroller numscroller-big-
bottom' data-sln0='1' data-min='0' data-max='12760' data-delay='.5' data-
increment="1">12760</div>
          </div>
        </div>
      </div>
      <div class="col-md-4 col-xs-4 stats-grid slideanim">
        <i class="fa fa-globe" aria-hidden="true"></i>
        <div class="agile-one">
          <h4 class="stats-info">Locations</h4>
          <div class='numscroller numscroller-big-
bottom' data-sln0='1' data-min='0' data-max='12760' data-delay='.5' data-
increment="1">12760</div>
        </div>
      </div>
      <div class="col-md-4 col-xs-4 stats-grid slideanim">
        <i class="fa fa-diamond" aria-hidden="true"></i>
        <div class="agile-one">
          <h4 class="stats-info">Awards
Winning</h4>
          <div class='numscroller numscroller-big-
bottom' data-sln0='1' data-min='0' data-max='12760' data-delay='.5' data-
increment="1">12760</div>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

        <div class="clearfix"></div>
    </div>
</div>
</div>
</div>
<!--//stats-->
<!-- team -->
    <div id="team" class="team agileits">
        <div class="team-agileinfo">
            <div class="container">
                <h3 class="w3l-title"><span>Our</span> Team</h3>
                <div class="team-row agileits-w3layouts">
                    <div class="col-md-3 col-xs-6 team-grids">
                        <div class="team-agileimg">
                            
                        <div class="captn">
                            <div class="captn-top">
                                <h4>Mark Sophia </h4>
                                <p>Aenean ac enimet
tincidunt Utin tincidunt</p>
                            </div>
                            <div class="social-w3lsicon
agileinfo-social-grids">
                                <ul>
                                    <li><a
href="#"><i class="fa fa-facebook"></i></a></li>
                                    <li><a
href="#"><i class="fa fa-twitter"></i></a></li>
                                    <li><a
href="#"><i class="fa fa-rss"></i></a></li>
                                </ul>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        </div>
    </div>
    <div class="col-md-3 col-xs-6 team-grids">
        <div class="team-agileimg">
            
            <div class="captn">
                <div class="captn-top">
                    <h4>Edwards Doe</h4>
                    <p>Aenean ac enimet
tincidunt Utin tincidunt</p>
                </div>
                <div class="social-w3lsicon
agileinfo-social-grids">
                    <ul>
                        <li><a
href="#"><i class="fa fa-facebook"></i></a></li>
                        <li><a
href="#"><i class="fa fa-twitter"></i></a></li>
                        <li><a
href="#"><i class="fa fa-rss"></i></a></li>
                    </ul>
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-3 col-xs-6 team-grids">
        <div class="team-agileimg">
            
            <div class="captn">
                <div class="captn-top">
                    <h4>Michael amet</h4>
                    <p>Aenean ac enimet

```

tincidunt Utin tincidunt</p>

</div>

agileinfo-social-grids">

<div class="social-w3lsicon

<i class="fa fa-facebook"></i>

<i class="fa fa-twitter"></i>

<i class="fa fa-rss"></i>

</div>

</div>

</div>

</div>

<div class="col-md-3 col-xs-6 team-grids">

<div class="team-agileimg">

<div class="captn">

<div class="captn-top">

<h4>Daniel Nyari</h4>

<p>Aenean ac enimet

tincidunt Utin tincidunt</p>

</div>

agileinfo-social-grids">

<div class="social-w3lsicon

<i class="fa fa-facebook"></i>

<i class="fa fa-twitter"></i>

<a

```

href="#"><i class="fa fa-rss"></i></a></li>
                                </ul>
                            </div>
                        </div>
                    </div>
                </div>
            <div class="clearfix"> </div>
        </div>
    </div>
<!-- login -->
<div class="mail" id="login">
    <div class="container" style="padding-top: 130px;padding-bottom: 130px;">
        <h3 class="w3l-title"><span>Customer</span> Login</h3>
        <div class="mail-w3l-agile">
            <div class="col-md-6 col-sm-6 agileinfo_mail_grid_right">
                <h3>Customer Login</h3>
                <form method="post" action="/nblogin/">
                    {% csrf_token %}
                    <div class="wthree_contact_left_grid">
                        <input type="email" name="userid"
placeholder="User Email Id" required="">
                        <input type="password" name="pwd"
placeholder="Password" required="">
                    </div>
                    <input type="submit" value="Login">
                </form>
            </div>
            <div class="col-md-6 col-sm-6 contact-left-w3ls">
                <div class="w3l-cont-mk">
                    

```

```

        </div>
    </div>

    <div class="clearfix"> </div>
</div>
<div>
    <!-- //login -->
    <!-- mail -->
    <div class="mail" id="contact">
        <div class="container">
            <h3 class="w3l-title"><span>Customer</span> Registration</h3>
            <div class="mail-w3l-agile">
                <div class="col-md-6 col-sm-6 contact-left-w3ls">
                    <div class="w3l-cont-mk">
                        
                    </div>
                    <h3>Address Info</h3>
                    <div class="visit">
                        <div class="col-md-2 col-sm-2 col-xs-2 contact-icon-
wthree">
                            <i      class="fa      fa-home"      aria-
hidden="true"></i>
                        </div>
                        <div class="col-md-10 col-sm-10 col-xs-10 contact-
text-agileinfo">
                            <h4>Visit us</h4>
                            <p>Parma Via Modena,BO, Italy</p>
                        </div>
                    <div class="clearfix"></div>
                </div>
                <div class="mail-w3">
                    <div class="col-md-2 col-sm-2 col-xs-2 contact-icon-
wthree">

```

```

                                <i      class="fa      fa-envelope-o"      aria-
hidden="true"></i>

                                </div>
                                <div class="col-md-10 col-sm-10 col-xs-10 contact-
text-agileinfo">

                                    <h4>Mail us</h4>
                                    <p><a
href="mailto:info@example.com">info@example.com</a></p>
                                    </div>
                                    <div class="clearfix"></div>
                                </div>
                                <div class="call">
                                    <div class="col-md-2 col-sm-2 col-xs-2 contact-icon-
wthree">
                                        <i      class="fa      fa-phone"      aria-
hidden="true"></i>
                                        </div>
                                        <div class="col-md-10 col-sm-10 col-xs-10 contact-
text-agileinfo">
                                            <h4>Call us</h4>
                                            <p>+18044261149</p>
                                            </div>
                                            <div class="clearfix"></div>
                                        </div>
                                    </div>
                                <div class="col-md-6 col-sm-6 agileinfo_mail_grid_right">
                                    <h3>Registration Form</h3>
                                    <form method="post" enctype="multipart/form-data">
                                        {% csrf_token %}
                                        <div class="wthree_contact_left_grid">
                                            <input      type="text"      name="name"
placeholder="Name" required="">
                                            <input      type="email"      name="email"
placeholder="Email" required="">

```

```

                                <select                                name="gender"
placeholder="Gender" required="">
                                <option                                value="">Select
Gender</option>
                                <option>Male</option>
                                <option>Female</option>
                                </select>
                                <input    type="text"    name="address"
placeholder="Address" required="">
                                <input    type="text"    name="adhar"
maxlength="12" placeholder="Aadhar No" required="">
                                <input    type="text"    name="phone"
placeholder="Phone Number" maxlength="10" required="">
                                <input    type="date"    name="dob"
required="" style="line-height: 20px;">
                                <input    type="file"    name="photo"
required="" style="line-height: 20px;">
                                </div>
                                <input type="submit" value="Register Now">
                                </form>
                                </div>
                                <div class="clearfix"> </div>
                                </div>
                                </div>
                                </div>
                                <!-- //mail -->
                                <!-- footer -->
                                <div class="footer-bot">
                                    <div class="container">
                                        <div class="logo2">
                                            <h2><a                                href="index.html"><span>Online</span>
Banking</a></h2>
                                        </div>
                                        <div class="clearfix"></div>

```

```

        </div>
</div>
<div class="copy-right">
    <div class="agileinfo_social_icons">
        <ul class="agileits_social_list">
            <li><a href="#" class="w3_agile_facebook"><i class="fa fa-
facebook" aria-hidden="true"></i></a></li>
            <li><a href="#" class="agile_twitter"><i class="fa fa-twitter"
aria-hidden="true"></i></a></li>
            <li><a href="#" class="w3_agile_dribbble"><i class="fa fa-
dribbble" aria-hidden="true"></i></a></li>
            <li><a href="#" class="w3_agile_google"><i class="fa fa-google-
plus" aria-hidden="true"></i></a></li>
        </ul>
    </div>
    <div class="container">
        <p> &copy; 2021 Online Banking. All Rights Reserved</p>
    </div>
</div>
<!-- //footer -->

<!-- js files -->
<!-- js -->
<script type="text/javascript" src="{% static 'js/jquery-2.1.4.min.js' %}"></script>
<script type="text/javascript" src="{% static 'js/bootstrap2.js' %}"></script> <!--
Necessary-JavaScript-File-For-Bootstrap -->
<!-- //js -->
<!-- js for banner -->
<!-- responsiveslider -->
    <script src="{% static 'js/responsiveslides.min.js' %}"></script>
    <script>
        // You can also use "$(window).load(function() {"
        $(function () {
            // Slideshow 4

```

```

        $("#slider3").responsiveSlides({
            auto: true,
            pager:true,
            nav:false,
            speed: 500,
            namespace: "callbacks",
            before: function () {
                $('.events').append("<li>before event fired.</li>");
            },
            after: function () {
                $('.events').append("<li>after event fired.</li>");
            }
        });

    });

</script>
<!-- //responsiveslider -->
<!-- stats -->
<script type="text/javascript" src="{% static 'js/numscroller-1.0.js' %}"></script>
<!-- //stats -->
<!-- /js for banner -->
<!-- start-smoth-scrolling -->
<script type="text/javascript" src="{% static 'js/move-top.js' %}"></script>
<script type="text/javascript" src="{% static 'js/easing.js' %}"></script>
<script type="text/javascript">
    jQuery(document).ready(function($) {
        $(".scroll").click(function(event){
            event.preventDefault();
            $('html,body').animate({scrollTop:$(this.hash).offset().top},1000);
        });
    });
</script>
<!-- start-smoth-scrolling -->
<!-- smooth scrolling -->

```

```

<script src="{% static 'js/SmoothScroll.min.js' %}"></script>
<!-- //smooth scrolling -->
<!-- smooth-scrolling-of-move-up -->
<script type="text/javascript">
    $(document).ready(function() {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //smooth-scrolling-of-move-up -->
<!-- video-js -->
<script src="{% static 'js/jquery.vide.min.js' %}"></script>
<!-- //video-js -->
<!-- gallery-js -->
<script src="{% static 'js/jquery.picEyes.js' %}"></script>
    <script>
        $(function(){
            //picturesEyes($('.demo li'));
            $('.demo li').picEyes();
        });
    </script>
<!--//gallery-js -->
<!-- //js files -->

</body>

```

</html>

```

{% load static %}
<!DOCTYPE HTML>
<html lang="zxx">
<head>
<title>Online Banking</title>
<!-- Meta tag Keywords -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="keywords" content="Online Banking 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" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);
function hideURLbar(){ window.scrollTo(0,1); } </script>
<!--// Meta tag Keywords -->
<!-- css files -->
<link href="{% static 'css/bootstrap2.css' %}" rel="stylesheet" type="text/css"
media="all" /> <!-- Bootstrap-Core-CSS -->
<link href="{% static 'css/style.css' %}" rel="stylesheet" type="text/css" media="all" />
<!-- Style-CSS -->
<link rel="stylesheet" href="{% static 'css/font-awesome.css' %}"> <!-- Font-Awesome-
Icons-CSS -->
<link rel="stylesheet" href="{% static 'css/flexslider.css' %}" type="text/css"
media="all" /> <!-- Banner-Slider-CSS -->
<!-- //css files -->
<link rel="stylesheet" type="text/css" href="{% static 'css/demo.css' %}" />
<!-- online-fonts -->
<link
href="//fonts.googleapis.com/css?family=Dosis:200,300,400,500,600,700,800&subset=latin-ext" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Ubuntu+Condensed&subset=cyrillic,cyrillic-ext,greek,greek-ext,latin-ext" rel="stylesheet">

```

```

<!-- //online-fonts -->
</head>
<body>

<!-- navigation -->
<div class="nav-links">
    <div class="header-w3l">
        <div class="container" style="padding:2px;">
            <a          class="navbar-brand"          href="/"><h1
style="padding:10px;"><span>Online</span> Banking</h1></a>

            <div class="clearfix"></div>
        </div>
    </div>
    <div class="clearfix"></div>
</div>
<!-- // navbar -->
<!-- login -->
<div class="mail" id="login">
    <div class="container" style="padding-top:59px;">
        <div class="mail-w3l-agile">
            <div class="col-md-6 col-sm-6 agileinfo_mail_grid_right">
                <h3>Admin Screen</h3>
                <form method="post">
                    {% csrf_token %}
                    <div class="wthree_contact_left_grid">
                        <input      type="text"      name="userid"
placeholder="User Id" required="">
                        <input      type="password"    name="pwd"
placeholder="Password" required="">
                    </div>
                        <input      type="submit"      value="Login"
style="margin-top: 10px;">
                    </form>

```

```

        {% if messages %}
        <div class="alert text-danger text-center" style="background-color:
white;margin-top:10px; font-weight: bold;">
            {% for message in messages %}
                {{ message }}
            {% endfor %}
        </div>
        {% endif %}
    </div>

    <div class="col-md-6 col-sm-6 contact-left-w3ls">
        <div class="w3l-cont-mk">
            
        </div>
    </div>

    <div class="clearfix"> </div>
</div>

</div>
<!-- //login -->
<!-- footer -->
<div class="footer" style="position: absolute;bottom: 0;width:100%;left:0">
    <div class="copy-right">
        <div class="agileinfo_social_icons">
            <ul class="agileits_social_list">
                <li><a href="#" class="w3_agile_facebook"><i class="fa fa-facebook" aria-
hidden="true"></i></a></li>
                <li><a href="#" class="agile_twitter"><i class="fa fa-twitter" aria-
hidden="true"></i></a></li>
                <li><a href="#" class="w3_agile_dribbble"><i class="fa fa-dribbble" aria-
hidden="true"></i></a></li>
                <li><a href="#" class="w3_agile_google"><i class="fa fa-google-plus" aria-
hidden="true"></i></a></li>

```

```

        </ul>
    </div>
    <div class="container">
        <p> &copy; Online Banking. All Rights Reserved</p>
    </div>
</div>
</div>

<!-- //footer -->

<!-- js files -->
<!-- js -->
<script type="text/javascript" src="{% static 'js/jquery-2.1.4.min.js' %}"></script>
<script type="text/javascript" src="{% static 'js/bootstrap2.js' %}"></script> <!--
Necessary-JavaScript-File-For-Bootstrap -->
<!-- //js -->
<!-- js for banner -->
<!-- responsiveslider -->
    <script src="{% static 'js/responsiveslides.min.js' %}"></script>
    <script>
        // You can also use "$(window).load(function() {"
        $(function () {
            // Slideshow 4
            $("#slider3").responsiveSlides({
                auto: true,
                pager:true,
                nav:false,
                speed: 500,
                namespace: "callbacks",
                before: function () {
                    $('.events').append("<li>before event fired.</li>");
                },
                after: function () {
                    $('.events').append("<li>after event fired.</li>");

```

```

        }
    });

    });

</script>
<!-- //responsiveslider -->
<!-- stats -->
<script type="text/javascript" src="{% static 'js/numscroller-1.0.js' %}"></script>
<!-- //stats -->
<!-- /js for banner -->
<!-- start-smoth-scrolling -->
<script type="text/javascript" src="{% static 'js/move-top.js' %}"></script>
<script type="text/javascript" src="{% static 'js/easing.js' %}"></script>
<script type="text/javascript">
    jQuery(document).ready(function($) {
        $(".scroll").click(function(event){
            event.preventDefault();
            $('html,body').animate({scrollTop:$(this.hash).offset().top},1000);
        });
    });
</script>
<!-- start-smoth-scrolling -->
<!-- smooth scrolling -->
<script src="{% static 'js/SmoothScroll.min.js' %}"></script>
<!-- //smooth scrolling -->
<!-- smooth-scrolling-of-move-up -->
<script type="text/javascript">
    $(document).ready(function() {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'

```

```

    };
    */

    $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //smooth-scrolling-of-move-up -->
<!-- video-js -->
<script src="{% static 'js/jquery.vide.min.js' %}"></script>
<!-- //video-js -->
<!-- gallery-js -->
<script src="{% static 'js/jquery.picEyes.js' %}"></script>
    <script>
        $(function(){
            //picturesEyes($('.demo li'));
            $('.demo li').picEyes();

        });
    </script>
<!--//gallery-js -->
<!-- //js files -->

</body>
</html>

```

ADD CUSTOMER PAGE CODING

```
{% extends 'base.html' %}
{% block main %}
<h4 class="p-2">Add New Customer</h4>
<form enctype="multipart/form-data" method="POST">
    {% csrf_token %}
    <div class="card p-2 shadow">
        <div class="card-body">
            <h5 class="p-2" style="border-bottom: 2px solid orange;">Customer Details</h5>
            <div class="form-row">
                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Customer Name *</label>
                        <input type="text" name="name" required class="form-control">
                    </div>
                </div>
                <div class="col-sm-4">
                    <div class="form-group">
                        <label>City *</label>
                        <input type="text" name="city" required class="form-control">
                    </div>
                </div>
                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Phone *</label>
                        <input type="text" name="phone" maxlength="10" required class="form-
control">
                    </div>
                </div>
                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Email Id *</label>
```

```

        <input type="email" name="email" required class="form-control">
    </div>
</div>
<div class="col-sm-4">
    <div class="form-group">
        <label>Date of Birth *</label>
        <input type="date" name="dob" required class="form-control">
    </div>
</div>
<div class="col-sm-4">
    <div class="form-group">
        <label>Select Gender *</label>
        <select name="gender" required class="form-control">
            <option value="">Select Gender</option>
            <option>Male</option>
            <option>Female</option>
        </select>
    </div>
</div>
<div class="col-sm-4">
    <div class="form-group">
        <label>Photo</label>
        <input type="file" name="photo" accept=".jpg,.png" class="form-control
form-contorl-file">
    </div>
</div>
</div>
<input type="submit" value="Save Customer" class="m-2 btn btn-primary">
</div>
</div>
</form>
{% endblock %}

```

ADD INSURANCE PAGE CODING

```

{% extends 'base.html' %}
{% block main %}
<h5 class="p-2" style="border-bottom: 2px solid orange;">Add New Insurance</h5>

<form enctype="multipart/form-data" method="POST">
    {% csrf_token %}
    <div class="card my-2 shadow">
        <div class="card-body">
            <h5 class="p-2" style="border-bottom: 2px solid orange;">Customer Personal
Details</h5>
            <div class="form-row">
                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Customer Name *</label>
                        <input type="text" name="name" required class="form-control">
                    </div>
                </div>

                <div class="col-sm-4">
                    <div class="form-group">
                        <label>City *</label>
                        <input type="text" name="city" required class="form-control">
                    </div>
                </div>

                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Phone *</label>
                        <input type="text" name="phone" maxlength="10" required class="form-
control">
                    </div>
                </div>

                <div class="col-sm-4">
                    <div class="form-group">
                        <label>Email Id *</label>

```

```

        <input type="email" name="email" required class="form-control">
    </div>
</div>
<div class="col-sm-4">
    <div class="form-group">
        <label>Date of Birth *</label>
        <input type="date" name="dob" required class="form-control">
    </div>
</div>

<div class="col-sm-4">
    <div class="form-group">
        <label>Select Gender *</label>
        <select name="gender" required class="form-control">
            <option value="">Select Gender</option>
            <option>Male</option>
            <option>Female</option>
        </select>
    </div>
</div>

<div class="col-sm-4">
    <div class="form-group">
        <label>Father Name *</label>
        <input type="text" name="father" required class="form-control">
    </div>
</div>

<div class="col-sm-4">
    <div class="form-group">
        <label>Select Marital Status *</label>
        <select name="mstatus" required class="form-control">
            <option value="">Select Status</option>
            <option>Married</option>
            <option>Single</option>
        </select>
    </div>
</div>

```

```

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

<div class="card my-2 shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Policy
    Information</h5>
    <div class="form-row">
      <div class="col-sm-4">
        <div class="form-group">
          <label>Policy Number *</label>
          <input type="text" name="id" value="{{id}}" readonly required
class="form-control">
        </div>
      </div>
      <div class="col-sm-4">
        <div class="form-group">
          <label>Select Policy Type *</label>
          <select name="policytype" required class="form-control">
            <option value="">Select Policy</option>
            {% for p in policies %}
            <option>{{p}}</option>
            {% endfor %}
          </select>
        </div>
      </div>
      <div class="col-sm-4">
        <div class="form-group">
          <label>Duration *</label>
          <input type="text" name="duration" class="form-control">
        </div>
      </div>
    </div>
  </div>
</div>

```

```

</div>
<div class="col-sm-4">
  <div class="form-group">
    <label>Sum Assured *</label>
    <input type="text" name="suminsured" required class="form-control">
  </div>
</div>

<div class="col-sm-4">
  <div class="form-group">
    <label>Premium Amount *</label>
    <input type="text" name="premium" required class="form-control">
  </div>
</div>
<div class="col-sm-4">
  <div class="form-group">
    <label>Select Premium Type *</label>
    <select name="premiumtype" required class="form-control">
      <option value="">Select Type</option>
      <option>Monthly</option>
      <option>Quarterly</option>
      <option>Half Yearly</option>
      <option>Anually</option>
    </select>
  </div>
</div>
</div>
</div>
</div>

<div class="card my-2 shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Nominee
Information</h5>

```

```

<div class="form-row">
  <div class="col-sm-4">
    <div class="form-group">
      <label>Nominee Name *</label>
      <input type="text" name="nomineename" required class="form-control">
    </div>
  </div>
  <div class="col-sm-4">
    <div class="form-group">
      <label>Relationship *</label>
      <input type="text" name="nomineerelation" required class="form-
control">
    </div>
  </div>
  <div class="col-sm-4">
    <div class="form-group">
      <label>Nominee Age *</label>
      <input type="text" name="nomineeage" required class="form-control">
    </div>
  </div>
</div>
<div>
  <input type="submit" value="Save Customer" class="m-2 px-3 btn btn-primary">
</div>
</form>
{% endblock %}

```

```

{% extends 'base.html' %}
{% block main %}
<div class="card shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Open New
Account</h5>
  <div class="container-fluid">
    <form method="POST">
      {% csrf_token %}
      <div class="form-row">
        <div class="col-sm-4">
          <div class="form-group">
            <label>Account Number *</label>
            <input type="text" name="accno" value="{{accno}}" readonly class="form-
control">
          </div>
        </div>
        <div class="col-sm-4">
          <div class="form-group">
            <label>Select Customer *</label>
            <select name="cid" required class="form-control">
              <option>--- Select Customer ---</option>
              {% for c in clist %}
                <option value="{{c.id}}">{{c.id}} - {{c.cname}}</option>
              {% endfor %}
            </select>
          </div>
        </div>
      </div>
      <div class="col-sm-4">
        <div class="form-group">
          <label>Balance *</label>
          <input type="text" name="bal" required class="form-control">

```

```

        </div>
    </div>
    <div class="col-sm-4">
        <div class="form-group">
            <label>Select Account Type *</label>
            <select name="actype" required class="form-control">
                <option value="">Select Account Type</option>
                <option>Saving Account</option>
                <option>Current Account</option>
            </select>
        </div>
    </div>
    <div>
        <input type="submit" value="Open Account" class="m-2 px-3 btn btn-primary">
    </form>
</div>
</div>
</div>
</div>
{% endblock %}

```

ACCOUNT DEPOSIT PAGE CODING

```

{% extends 'base.html' %}
{% block main %}
<div class="card shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Account Deposit</h5>

    <form class="form-inline text-center">
      <label class="mr-2">Enter Account no </label>
      <input type="search" name="accno" value="{{accno}}" class="form-control
mr-2" placeholder="Account no">
      <input type="submit" value="Search" class="btn btn-primary">
    </form>

    {%if search %}
      <div class="card shadow mt-3">
        <div class="card-body">
          {%if found %}
            <h5 class="p-2 text-left" style="border-bottom: 2px solid orange;">Account
Details</h5>
            <div class="row">
              <div class="col-sm-2">
                
              </div>
              <div class="col-sm-8">
                <table class="table">
                  <tr>
                    <th>Account No</th>
                    <th>{{acc.accno}}</th>
                    <th>Customer Name</th>
                    <th>{{acc.customer.cname}}</th>
                  </tr>
                  <tr>
                    <th>Customer Gender</th>
                    <th>{{acc.customer.gender}}</th>

```

```

        <th>Customer Address</th>
        <th>{{acc.customer.address}}</th>
    </tr>
    <tr>
        <th>Account Type</th>
        <th>{{acc.actype}}</th>
        <th>Available Balance</th>
        <th>₹ {{acc.bal}}</th>
    </tr>
</table>
</div>
</div>
<div class="row">
    <div class="col-sm-6 mt-3">
        <form method="post" class="form-inline">
            {% csrf_token %}
            <input type="hidden" name="accno" value="{{accno}}">
            <label class="mr-2">Deposit Amount</label>
            <input type="text" required name="cramt" class="form-control mr-
2">

            <input type="submit" value="Deposit" class="btn btn-primary">
        </form>
    </div>
</div>

{% else %}
<h5 class="text-danger">Invalid Account number</h5>
{% endif %}

</div>
</div>

```

```
        {% endif %}  
    </div>  
</div>  
  
{% endblock %}
```

```

{% extends 'base.html' %}
{% block main %}
<div class="card shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Account
Withdraw</h5>

    <form class="form-inline text-center">
      <label class="mr-2">Enter Account no </label>
      <input type="search" name="accno" value="{{accno}}" class="form-control
mr-2" placeholder="Account no">
      <input type="submit" value="Search" class="btn btn-primary">
    </form>

{%if search %}
  <div class="card shadow mt-3">
    <div class="card-body">
      {%if found %}
        <h5 class="p-2 text-left" style="border-bottom: 2px solid orange;">Account
Details</h5>
        <div class="row">
          <div class="col-sm-2">
            
          </div>
          <div class="col-sm-8">
            <table class="table">
              <tr>
                <th>Account No</th>
                <th>{{acc.accno}}</th>
                <th>Customer Name</th>
                <th>{{acc.customer.cname}}</th>
              </tr>
              <tr>

```

```

        <th>Customer Gender</th>
        <th>{{acc.customer.gender}}</th>
        <th>Customer Address</th>
        <th>{{acc.customer.address}}</th>
    </tr>
    <tr>
        <th>Account Type</th>
        <th>{{acc.actype}}</th>
        <th>Available Balance</th>
        <th>&#8377; {{acc.bal}}</th>
    </tr>
</table>
</div>
</div>
<div class="row">
    <div class="col-sm-6 mt-3">
        <form method="post" class="form-inline">
            {% csrf_token %}
            <input type="hidden" name="accno" value="{{accno}}">
            <label class="mr-2">Withdraw Amount</label>
            <input type="number" required name="dramt" class="form-control
mr-2" max="{{acc.bal}}">
            <input type="submit" value="Withdraw" class="btn btn-primary">
        </form>
    </div>
</div>

{% else %}
    <h5 class="text-danger">Invalid Account number</h5>

```

{% endif %}

</div>

</div>

{% endif %}

</div>

</div>

{% endblock %}

CUSTOMER LOGIN PAGE CODING

```

{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Banking System-Login</title>
    <link rel="stylesheet" href="{% static 'css/bootstrap.css' %}">
    <link rel="stylesheet" href="{% static 'css/all.css' %}">
    <link rel="icon" href="{% static 'images/bank.jpg' %}" />
    <style>
    body{
        background:linear-gradient( rgba(255, 255, 255, 0.5) 100%, rgba(255, 255, 255, 0.5)
100%),url("{% static 'images/login.jpg' %}");
        background-size:100% 100%;
    }
    </style>
</head>
<body class="bg-login" style="height: 100vh; background-color: rgb(234, 245, 250);">
    <a href="/" class="btn btn-primary btn-sm float-left m-2">Home</a>
    <div class="jumbotron p-3 mb-2 rounded-0 bg-transparent text-dark text-center"
style="box-shadow: 0 0 5px 2px white">
        <h3 class="text-center text-uppercase">Login Screen</h3>
    </div>
    <div class="container">
        <div class="row">
            <div class="col-sm-4 mx-auto">
                <div class="card shadow mt-4">
                    <div class="card-body text-center">
                        
                        <form method="post" autocomplete="off">
                            {% csrf_token %}

```

```

        <div class="form-group">
            <input type="text" placeholder="User ID here" required
name="userid" class="form-control">
        </div>
        <div class="form-group">
            <input type="password" name="pwd" required
placeholder="Password here" class="form-control">
        </div>
        <input type="submit" value="Login" class="btn btn-danger btn-
block" />
    </form>
    {% if messages %}
    <div class="alert text-danger font-weight-bold text-center">
        {% for message in messages %}
            {{ message }}
        {% endfor %}
    </div>
    {% endif %}
</div>
</div>
</div>
</form>
</body>
</html>

```

```

{% extends 'cbase.html' %}
{% block 'main' %}
<div class="container">
<h2>Welcome to Customer Dashboard</h2>

<table class="table" style="margin-top: 20px;">
  <tr>
    <th>Customer Name</th>
    <th>{{nbuser.customer.cname}}</th>
    <th>Account Number</th>
    <th>{{acc.accno}}</th>
  </tr>
  <tr>
    <th>Account Type</th>
    <th>{{acc.actype}}</th>
    <th>Available Balance</th>
    <th>₹ {{acc.bal}}</th>
  </tr>
  <tr><th>Address</th>
    <th>{{nbuser.customer.address}}</th>
    <th>Email Id</th>
    <th>{{nbuser.customer.email}}</th>
  </tr><tr><th>Phone Number</th>
    <th>{{nbuser.customer.phone}}</th>
    <th>Gender</th>
    <th>{{nbuser.customer.gender}}</th>
  </tr>
</table>
</div>
{% endblock %}

```

TRANSFER FUND PAGE CODING

```

{% extends 'cbase.html' %}
{% load static %}
{% block 'main' %}
<div class="mail" id="login">
    <div class="container" style="padding-top: 30px;">
        <div class="mail-w3l-agile">
            <div class="col-md-6 col-sm-6 agileinfo_mail_grid_right">
                <h3>Account Transfer</h3>
                <form method="post">
                    {% csrf_token %}
                    <div class="wthree_contact_left_grid">
                        <select name="bid" placeholder="Gender"
required="">
                            <option value="">Select
Beneficiary</option>
                                {% for b in blist %}
                                    <option value="{{b.id}}">{{b.accno}}
- {{b.bname}}</option>
                                {% endfor %}
                            </select>
                            <input type="text" name="amount"
placeholder="Amount to Transfer" required="">
                        </div>
                        <input type="submit" value="Transfer Now">
                    </form>
                </div>
                <div class="col-md-6 col-sm-6 contact-left-w3ls">
                    <div class="w3l-cont-mk">
                        
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="clearfix"> </div>
    </div>
</div>
</div>

{% endblock %}
```

ADD BENEFICIARY PAGE CODING

```
{% extends 'cbase.html' %}
```

```
{% block 'main' %}
```

```
<div class="mail" id="contact">
```

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

```
        <div class="mail-w3l-agile" style="min-width:95%">
```

```
            <div class="col-md-8 col-sm-8 contact-left-w3ls">
```

```
                <h2>Beneficiary</h2>
```

```
            <table class="table table-sm">
```

```
                <thead>
```

```
                    <tr>
```

```
                        <th>Id</th>
```

```
                        <th>Name</th>
```

```
                        <th>Bank Type</th>
```

```
                        <th>Account No</th>
```

```
                        <th>Bank Name</th>
```

```
                        <th>IFSC</th>
```

```
                        <th>Max Limit</th>
```

```
                        <th style="width:130px;">Action</th>
```

```
                    </tr>
```

```
                </thead>
```

```
                <tbody>
```

```
                    {% for b in blist %}
```

```
                    <tr>
```

```
                        <td>{{b.id}}</td>
```

```
                        <td>{{b.bname}}</td>
```

```
                        <td>{{b.banktype}}</td>
```

```
                        <td>{{b.accno}}</td>
```

```
                        <td>{{b.bankname}}</td>
```

```
                        <td>{{b.ifsc}}</td>
```

```
                        <td>{{b.maxlimit}}</td>
```

```
                        <td><a href="{{b.bid}}" class="btn btn-success">Edit</a>
```

```
                            <a onclick="return confirm('Are you sure to delete this beneficiary  
?')" href="/bendelete/{{b.id}}" class="btn btn-danger">Delete</a></td>
```

```
                    </tr>
```

```

        {% endfor %}
    </tbody>
</table>

</div>

<div class="col-md-4 col-sm-4 agileinfo_mail_grid_right p-0">
    <h3 style="padding:5px;font-size: 2em;">Beneficiary
Registration Form</h3>

    <form method="post">
        {% csrf_token %}
        <div class="wthree_contact_left_grid">
            <input type="text" name="bname"
placeholder="Beneficiary Name" required="">
            <select name="banktype" placeholder="Gender" required="">
                <option value="">Select Bank
Type</option>
                <option>Same Bank</option>
                <option>Other Bank</option>
            </select>
            <input type="text" name="accno"
placeholder="Account Number" required="">
            <input type="text" name="bankname"
placeholder="Bank Name">
            <input type="text" name="ifsc"
placeholder="IFSC Code">
            <input type="text" name="maxlimit"
placeholder="Max Limit" required="">

        </div>
        <input type="submit" value="Register Now"
style="margin-top: 5px;float:right">
    </form>
</div>

<div class="clearfix"> </div>

</div>

```

```
</div>
</div>
{% endblock %}
```

VIEW TRANSACTION REPORT PAGE CODING

```
{% extends 'base.html' %}
```

```

{% block main %}
<div class="card shadow">
  <div class="card-body">
    <h5 class="p-2" style="border-bottom: 2px solid orange;">Transactions
    Report</h5>
  <div class="container-fluid">
    <table class="table table-sm">
      <thead>
        <tr>
          <th>Tran Id</th>
          <th>Transaction Date</th>
          <th>Account no</th>
          <th>Description</th>
          <th>Dr Amount</th>
          <th>Cr Amount</th>
        </tr>
      </thead>
      <tbody>
        {%for t in trans %}
        <tr>
          <td>{{t.id}}</td>
          <td>{{t.tdate}}</td>
          <td>{{t.account.accno}}</td>
          <td>{{t.descr}}</td>
          <td>{% if t.dramt is not None %}{{t.dramt}}{% endif %}</td>
          <td>{% if t.cramt is not None %}{{t.cramt}}{% endif %}</td>
        </tr>
        {% endfor %}</tbody> </table></div></div></div>
      {% endblock %}

```

8. Advantages & Limitations

8.1 Advantages of “Online Banking System”:

“Online Banking System” provides various features, which complement the information system and increase the productivity of the system. These features make the system easily usable and convenient. Some of the important features included are listed as follows:

- Intelligent User Forms Design
 - Data access and manipulation through same forms
 - Access to most required information
- Data Security
- Restrictive data access, as per login assigned only.
- Organized and structured storage of facts.
- Strategic Planning made easy.
- No decay of old Records.
- Exact financial position of the Business.

8.2 Limitations of “Online Banking System”:

Besides the above achievements and the successful completion of the project, we still feel the project has some limitations, listed as below:

1. It is not a large scale system.
2. Only limited information provided by this system.
3. Since it is an online project, customers need internet connection to buy products.
4. People who are not familiar with computers can't use this software.

8.3 FUTURE SCOPE

This web application involves almost all the features of the online banking. The future implementation will be online help for the customers and chatting with website administrator.

CONCLUSION

The project entitled “Online Banking System” is developed using HTML, CSS as front end and Python with Sqlite database in back end to computerize the process of online banking. This project covers only the basic features required.

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