

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

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(Reg. No.37120044)



DEPARTMENT OF INFORMATION TECHNOLOGY

SCHOOL OF COMPUTING

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

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CHENNAI – 600119. TAMILNADU.

AUGUST 2019



**SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY**

(Established under Section 3 of UGC Act, 1956)



SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Professional Training Report is the bonafide work of **MOHAMED AYMAN LATHEEF M (Reg. No. 37120044)** who underwent the professional training in “**ONLINE VOTING SYSTEM**” under our supervision from May 2019 to June 2019.

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Submitted for Viva voce Examination held on _____

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DECLARATION

I **MOHAMED AYMAN LATHEEF M (Reg. No.37120044)** hereby declare that the Professional Training Report on “**ONLINE VOTING SYSTEM**” done by me under the guidance of **Dr.S.GOWRI M.E.,Ph.D**,at Sathyabama Institute of Science and Technology is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information And Technology

DATE:

PLACE :CHENNAI

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

The satisfaction and elation that accompany the successful completion of any task would be incomplete without the mention of the people who have made it possible. It is our great privilege to express our gratitude and respect to all those who have guided me during the course of my Professional Training.

First and foremost, we would express our sincere gratitude to our beloved Founder Chancellor **Col. Dr. JEPPIAAR, M.A., B.L., Ph.D.**, and Chancellor **Thirumathi. REMIBAI JEPPIAAR**. I extend my sincere thanks to our Pro Chancellor **Dr. Mariazeena Johnson, B.E., M.B.A., M.Phil., Ph.D.**, and the Vice President **Dr. Marie Johnson, B.E., M.B.A., M.Phil., Ph.D.**, and for providing me the necessary facilities for the completion of the professional training. I also acknowledge our Vice Chancellor **Dr. S.Sundar Manoharan Ph.D.**, and the Pro Vice Chancellor **Dr. T. Sasipraba, M.E., Ph.D.**, for their constant support and endorsement.

I would like to express our gratitude to our Registrar **Dr. S. S. Rau, Ph.D.** and Controller of Examinations **Dr. Igni Sabasti Prabu M.E., Ph.D.**, for their valuable support offered to complete my professional training successfully.

I like to express our gratitude to **Dr. R. Subhashini, M.E., Ph.D.**, Head of the Department of Information Technology, Sathyabama Institute of Science and Technology for having been a constant source of support and encouragement for the completion of the professional training.

I would also like to express our sincere thanks to our internal guide **Dr.S.Gowri, M.E., Ph.D.**, who guided me in the preparation of the report.

Also, I thank the **Almighty** and my **Parents** for supporting me in the completion of the professional Training.

TRAINING CERTIFICATE

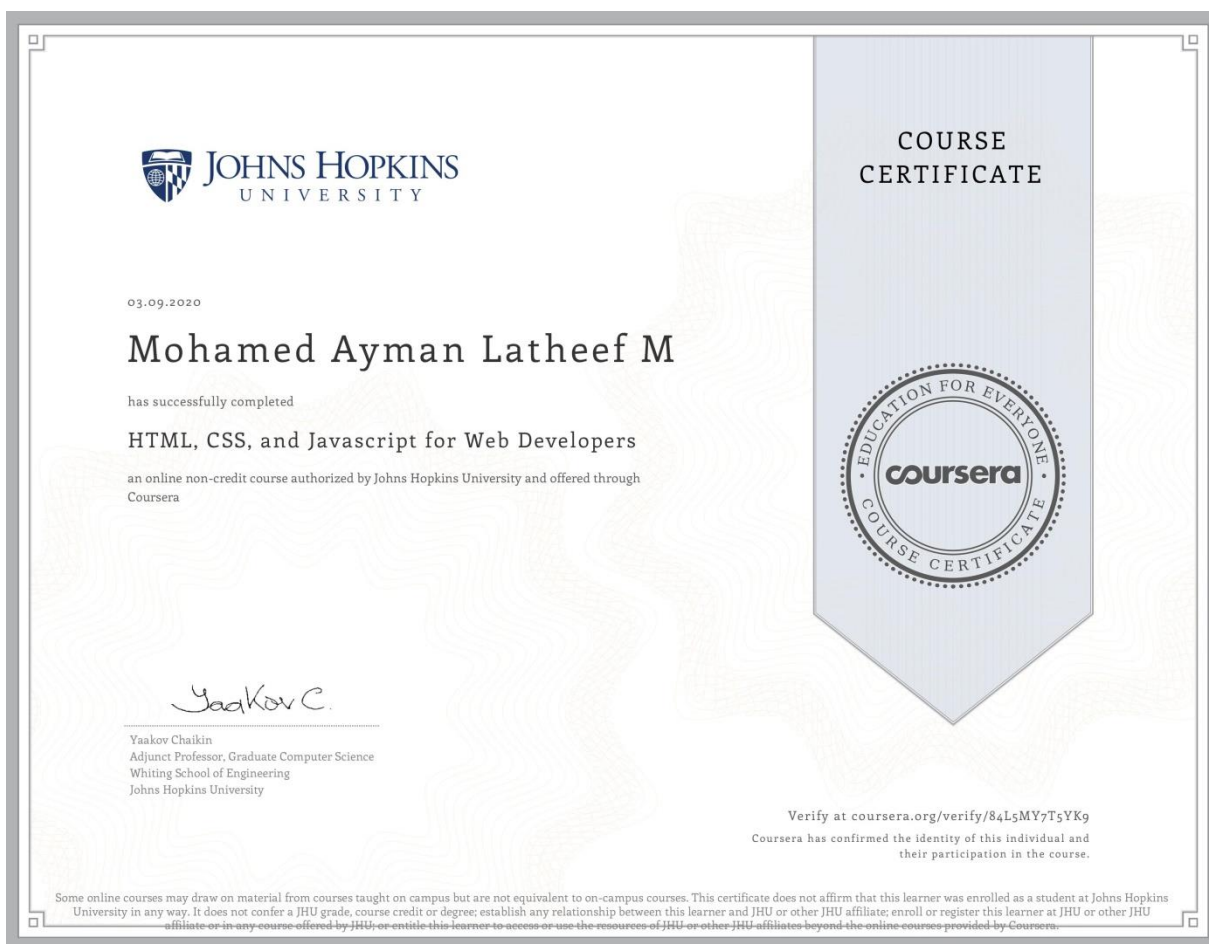


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ABSTRACT

In the current scenario where the internet has brought almost all the ease to our living room, be it replacing physical banking to internet banking, ordering food online, buying movie tickets, buying any kind of clothes or household items to consulting your doctor for minor issues, bill payments of any kind etc. Still since quite long time going to the polling booth and standing in long queue to cast vote has been persistent and it was challenging for the Government to motivate the public to participate the elections system and cast their vote, as there was no such online voting system available. But all the credit goes to the internet and the Software developers who are going to made it possible soon for everyone to cast their vote to the candidate of their own choice with the un-matchable ease. Further to this the another challenge is for the software developers who have to take the responsibility to develop easy, user friendly software for the same purpose. This goal can very effectively be achieved with the use of PHP software as PHP is a simple, elegant and powerful software development tool. PHP is a general-purpose, server-side scripting language run by a web server that's designed to make dynamic pages and applications. PHP as a web development option is secure, fast and reliable that offers lots more advantages to make it accessible to people. For the same reason and due to the high demands, we are happy to provide a well developed complete Online Voting System Project for the aspiring developers, who want to mark their worth by providing real and authentic work of the project

LIST OF ABBREVIATION:

HTML: Hyper Text mark up language

CSS: Cascading Style sheet

JQUERY: java query

PHP: Hyper text Preprocessor

JS:Java script

Div: division of Section

Id:identifiers

Padding:Specifies the space

Margin:species the margin

Meta:specifies pointer address

Database: stores the details

Table:species the user to view records

Chapter-1

Introduction

“ONLINE VOTING SYSTEM” is an online voting technique. In this system people who have citizenship of Kenya and whose age is above 18 years of age and any sex can give his\her vote online without going to any physical polling station. There is a database which is maintained in which all the names of voters with complete information is stored.

In **“ONLINE VOTING SYSTEM”** a voter can use his\her voting right online without any difficulty. He\She has to be registered first for him/her to vote. Registration is mainly done by the system administrator for security reasons. The system Administrator registers the voters on a special site of the system visited by him only by simply filling a registration form to register voter. Citizens seeking registration are expected to contact the system administrator to submit their details. After the validity of them being citizens of India has been confirmed by the system administrator by comparing their details submitted with those in existing databases such as those as the Registrar of Persons, the citizen is then registered as a voter.

1.2 OUTLINE OF THE PROJECT

The ONLINE VOTING SYSTEM shall reduce the time spend making long queues at the polling stations during voting. It shall also enable the voters to vote from any part of the globe as explained since this is an online application available on the internet. Cases of vote miscounts shall also be solved since at the backend of this system resides a well developed database using MYSQL that can provide the correct data once it's correctly queried. Since the voting process shall be open as early as possible, the voters shall have ample time to decide when and whom to vote for.

Chapter-2

AIM AND SCOPE OF THE PRESENT INVESTIGATION

2.1 SCOPE OF STUDY

It is focused on studying the existing system of voting in Kenya and to make sure that the peoples vote is counts, for fairness in the elective positions. This is also will produce:

- Less effort and less labor intensive, as the primary cost and focus primary on creating, managing, and running a secure web voting portal.
- Increasing number of voters as individuals will find it easier and more convenient to vote, especially those abroad.

2.2 BACKGROUND STUDY

The Online voting system (OVS) also known as e-voting is a term encompassing several different types of voting embracing both electronic means of counting votes. Electronic voting technology can include punched cards, optical scan voting systems and specialized voting kiosks (including self contained direct-recording electronic voting systems or DRE). It can also involve transmission of ballots and votes via telephones, private computer networks, or the internet.

Online voting is an electronic way of choosing leaders via a web driven application. The advantage of online voting over the common “queue method” is that the voters have the choice of voting at their own free time and there is reduced congestion. It also minimizes on errors of vote counting. The individual votes are submitted in a database which can be queried to find out who of the aspirants for a given post has the highest number of votes.

This system is geared towards increasing the voting percentage in Kenya since it has been noted that with the old voting method {the Queue System}, the

voter turnout has been a wanting case. With system in place also, if high security is applied, cases of false votes shall be reduced.

With the “ONLINE VOTING SYSTEM”, a voter can use his\her voting right online without any difficulty. He\She has to register as a voter first before being authorized to vote. The registration should be done prior to the voting date to enable data update in the database.

However, not just anybody can vote. For one to participate in the elections, he/she must have the requirements. For instance, he/she must be a registered citizen i.e. must be 18 and above years old. As already stated, the project ‘Online Voting’ provides means for fast and convenient voting and access to this system is limited only to registered voters.

Internet voting systems are appealing for several reasons which include; People are getting more used to work with computers to do all sorts of things, namely sensitive operations such as shopping and home banking and they allow people to vote far from where they usually live, helping to reduce absenteeism rate.

2.3 OBJECTIVE OF THE PROJECT

The specific objectives of the project include:

- ❖ Reviewing the existing/current voting process or approach in Kenya;
- ❖ Coming up with an automated voting system in Kenya;
- ❖ Implementing a an automated/online voting system;
- ❖ Validating the system to ensure that only legible voters are allowed to vote.

Chapter-3

REQUIREMENT

- Registration of the voter is done by ELECTION COMMISSION OF INDIA.
- ELECTION COMMISSION OF INDIA can change the information any time if required.
- Registration of the Voter depends upon the information filled by the user.
- Voter is given a unique ID and PASSWORD.
- In the DATABASE information of every voter is stored.
- Database shows the information of every user.

3.2 SOFTWARE AND HARDWARE REQUIRED

- i. MYSQL DBMS-** It allows combination, extraction, manipulation and organization of data in the voters' database. It is platform independent and therefore can be implemented and used across several such as Windows, Linux server and is compatible with various hardware mainframes. It is fast in performance, stable and provides business value at a low cost.
- ii. NetBeans IDE 7.1.2-** The NetBeans IDE is an award-winning integrated development environment available for Windows, Mac, Linux, and Solaris. The NetBeans project consists of an open-source IDE and an application platform that enable developers to rapidly create web, enterprise, desktop, and mobile applications using the Java platform, as well as PHP, JavaScript and Ajax, Groovy and Grails, and C/C++.

The NetBeans project is supported by a vibrant developer community and offers extensive documentation and training resources as well as a diverse selection of third-party plugins.
- iii. JAVA coding-** This is for advanced user who find PHP codes easy to work with.
- iv. Testing-** is done via WAMP SERVER.
- v. Web browsers:** Mozilla Firefox, Google chrome, Opera and Internet Explorer

vi. **Reporting Tool** i.e. through Data Report.

- **Microsoft Windows XP Professional SP3/Vista SP1/Windows 7 Professional:**

- ☐ **Processor:** 800MHz Intel Pentium III or equivalent
- ☐ **Memory:** 512 MB
- ☐ **Disk space:** 750 MB of free disk space

- **Ubuntu 9.10:**

- ☐ **Processor:** 800MHz Intel Pentium III or equivalent
- ☐ **Memory:** 512 MB
- ☐ **Disk space:** 650 MB of free disk space

Chapter-4

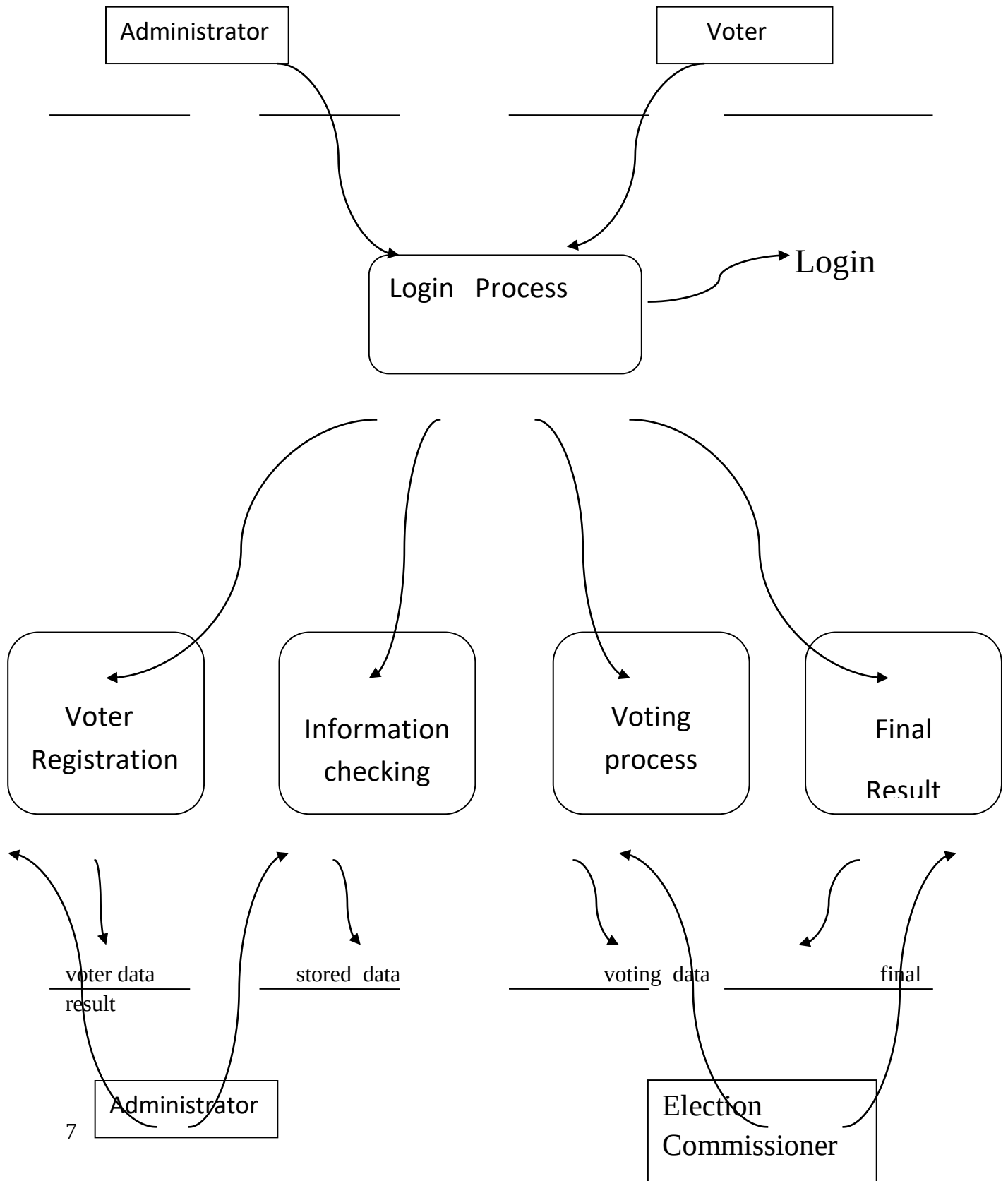
4.1 FRONT END AND BACK END

In their most general meanings, the terms front end and back end refer to the initial and the end stages of a process flow. In [software design](#), the **front-end** is the part of a software system that deals with the user, and the **back-end** is the part that processes the input from the front-end. The separation of software systems into "front ends" and "back ends" is a kind of [abstraction](#) that helps to keep different parts of the system separated. The general idea is that the front-end is responsible for collecting input from the user, which can be in a variety of forms, and processing it in such a way that it conforms to a specification that the back-end can use. The connection of the front-end to the back-end is a kind of [interface](#).

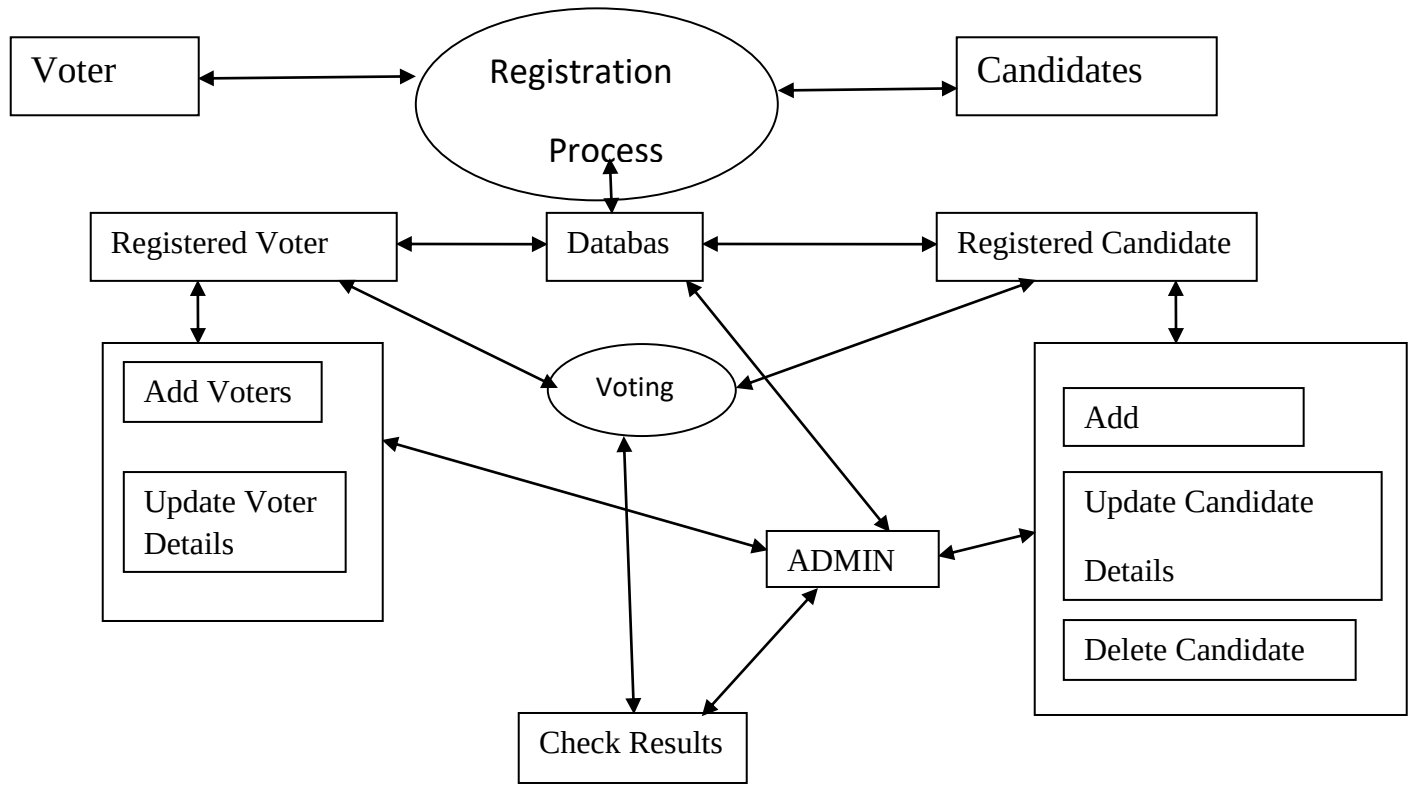
Front-end and back-end are terms used to characterize program interfaces and services relative to the initial user of these interfaces and services. (The "user" may be a human being or a program.) A "front-end" [application](#) is one that application users interact with directly. A "back-end" application or program serves indirectly in support of the front-end services, usually by being closer to the required resource or having the capability to communicate with the required resource. The back-end application may interact directly with the front-end or, perhaps more typically, is a program called from an intermediate program that mediates front-end and back-end activities. These terms acquire more special meanings in particular areas:-

- (1) For [software applications](#), front end is the same as [user interface](#).
- (2) In [client/server](#) applications, the [client part](#) of the [program](#) is often called the front end and the server part is called the back end.
- (3) [Compilers](#), the programs that translate [source code](#) into [object code](#), are often composed of two parts: a front end and a back end. The front end is responsible for checking [syntax](#) and detecting errors, whereas the back end performs the actual translation into object code

eFlow Diagram:



ER Diagram:



Chapter-5

Conclusion

This Online Voting system will manage the Voter's information by which voter can login and use his voting rights. The system will incorporate all features of Voting system. It provides the tools for maintaining voter's vote to every party and it count total no. of votes of every party. There is a DATABASE which is maintained by the ELECTION COMMISSION OF INDIA in which all the names of voter with complete information is stored.

In this user who is above 18 year's register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By online voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and It is vary less time consuming. It is very easy to debug.

SOURCECODE

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8">

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

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

    <!-- The above 3 meta tags *must* come first in the head; any other head content
    must come *after* these tags -->

    <title>CR Voting | Green Syntax</title>

    <!-- Bootstrap -->

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

    <link href='http://fonts.googleapis.com/css?family=Ubuntu' rel='stylesheet'
    type='text/css'>

    <link href='http://fonts.googleapis.com/css?family=Raleway' rel='stylesheet'
    type='text/css'>

    <link href='http://fonts.googleapis.com/css?family=Oswald' rel='stylesheet'
    type='text/css'>

    <link href='http://fonts.googleapis.com/css?family=Roboto+Condensed'
    rel='stylesheet' type='text/css'>

  <style>
```

```
body{
  margin:0px;
  padding:0px;
}

.headerFont{
  font-family: 'Ubuntu', sans-serif;
  font-size: 24px;
}

.subFont{
  font-family: 'Raleway', sans-serif;
  font-size: 14px;
}

.specialHead{
  font-family: 'Oswald', sans-serif;
}

.normalFont{
  font-family: 'Roboto Condensed', sans-serif;
}

a {
  color: #FFFFFFF;
```

```
text-decoration: none;  
}
```

```
a:link {  
    color: #FFFFFF;  
    text-decoration: none;  
}
```

```
/* visited link */  
a:visited {  
    color: #FFFFFF;  
    text-decoration: none;  
}
```

```
/* mouse over link */  
a:hover {  
    color: #FFFFFF;  
    text-decoration: none;  
}
```

```
/* selected link */
```

```
a:active {  
  
    color: #FFFFFF;  
  
    text-decoration: none;  
  
}  
  
</style>
```

```
<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media  
queries -->
```

```
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
```

```
<!--[if lt IE 9]>
```

```
<script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
```

```
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
```

```
<![endif]-->
```

```
</head>
```

```
<body>
```

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

```
<nav class="navbar navbar-default navbar-fixed-top navbar-inverse
```

```
" role="navigation">
```

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

```
<button type="button" class="navbar-toggle" data-toggle="collapse" data-  
target="#example-nav-collapse">
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<div class="navbar-header">
```

```
<a href="index.html" class="navbar-brand headerFont text-  
lg"><strong>eVoting</strong></a>
```

```
</div>
```

```
<div class="collapse navbar-collapse" id="example-nav-collapse">
```

```
<ul class="nav navbar-nav">
```

```
<li><a href="#featuresTab"><span  
class="subFont"><strong>Features</strong></span></a></li>
```

```
<li><a href="#abhoutTab"><span  
class="subFont"><strong>About</strong></span></a></li>
```

```
<li><a href="#feedbackTab"><span  
class="subFont"><strong>Feedback</strong></span></a></li>
```

```
</ul>
```

```
        <span class="normalFont"><a href="admin.html" class="btn btn-success
navbar-right navbar-btn"><strong>Admin Panel</strong></a></span>
```

```
</div>
```

```
</div> <!-- end of container -->
```

```
</nav>
```

```
</div>
```

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

```
<div class="row">
```

```
<div class="col-sm-12">
```

```
<div class="jumbotron text-center text-block" style="padding-top:170px;">
```

```

```

```
<h1 class="specialHead">Online Voting System</h1>
```

```
<p class="normalFont">Safe . Reliable . Secure . Fast </p>
```

```
<a href="vault.html" class="btn btn-primary btn-md specialHead"> <span
class="glyphicon glyphicon-tag"></span> Cast Your Vote</a>
```

```
</div>
```

```
</div>
```

</div>

</div>

<div class="conatiner" id="featuresTab">

<div class="row">

<div class="col-sm-12 text-center">

<div class="page-header" style="padding-top:50px;padding-bottom:50px">

<h1 class="normalFont" style="font-size:44px;" >WHAT IS IT.</h1>

<p class="subFont" style="font-size:24px;">A Intractive Way To Solve
Conventional Voting.</p>

</div>

</div>

</div>

</div>

<div class="conatiner" style="padding:50px;" id="aboutTab">

<div class="row">

<div class="col-sm-4 text-center">

```



<h2 class="normalFont" style="font-size:28px;">VOTE ONLINE.</h2>

<p><em>You Just Need Basic Details of Yours and We Will Let You
Vote.</em></p>

</div>

<div class="col-sm-4 text-center">

    <a href="nomination.html" class="normalFont" style="font-size:28px;"><h2
style="color: black">Nomination</h2></a>

    <p><em>Admin's Control Panel allows you to manage the list of filled
nomination.</em></p>

</div>

<div class="col-sm-4 text-center">

    <h2 class="normalFont" style="font-size:28px;" >Statitics</h2>

    <p><em>SHows You the Graphical Data Representation of your votes. And, It
is in Admin's Control Panel.</em></p>

</div>

```

</div>

</div>

<hr>

<div class="container" id="feedbackTab">

<div class="row">

<div class="col-sm-12 text-center" style="">

<div class="page-header" style="padding-top:30px;padding-bottom:30px;">

<h1 class="specialHead">CONTACT</h1>

<p style="font-size:16px;">If You have any suggestion regarding our voting system. We 'll welcome your suggestion,</p>

 Feedback

</div>

</div>

</div>

</div>

```
<footer>
```

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

```
<div class="row">
```

```
<div class="col-sm-6 text-center">
```

```
</div>
```

```
<div class="col-sm-6 text-center">
```

```

```

```

```

```

```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
```

```
<script
```

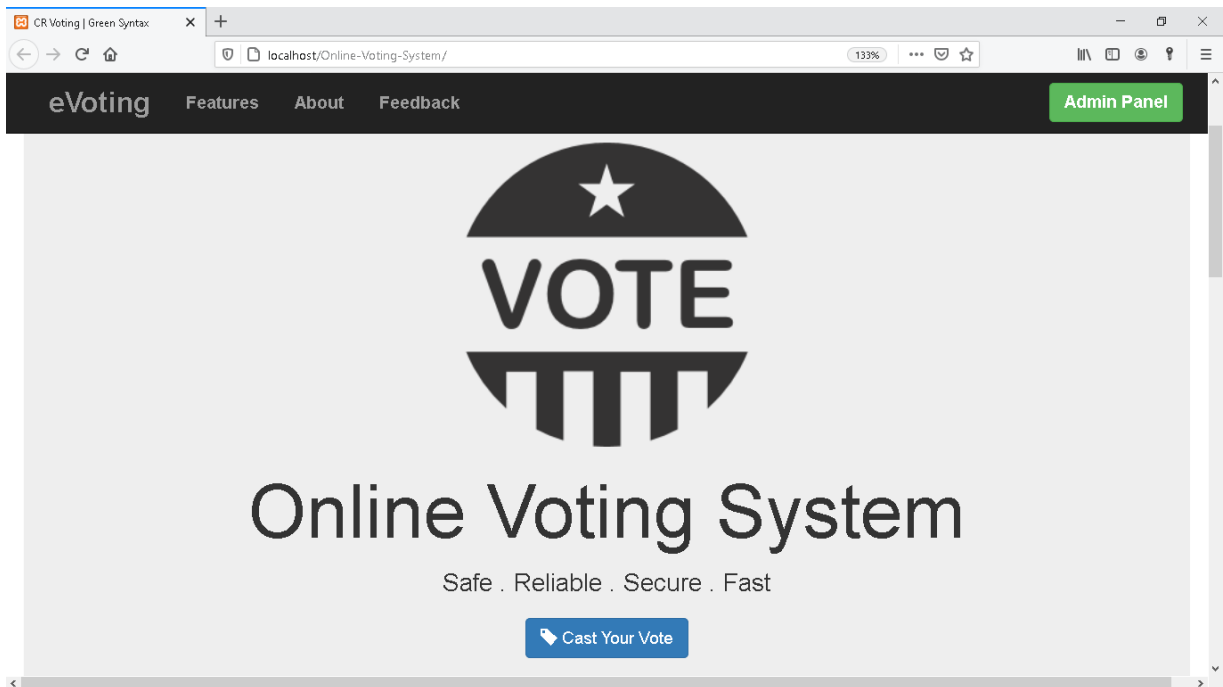
```
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
```

```
<!-- Include all compiled plugins (below), or include individual files as needed -->
```

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

SCREENSHOT:

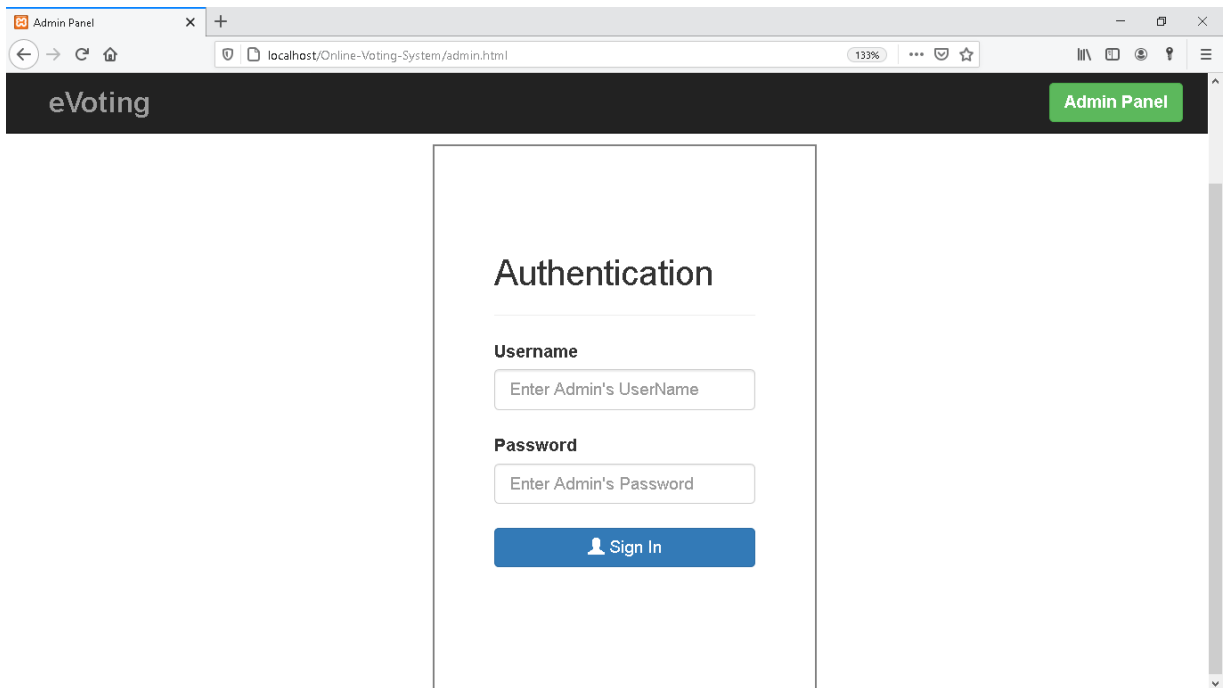
HOME PAGE



USER VOTING FORM

A screenshot of the 'Voting Panel' in the eVoting system. The browser's address bar shows 'localhost/Online-Voting-System/vault.html'. The page has a dark header with the 'eVoting' logo and a green 'Admin Panel' button. The main content area is titled 'Prove Your Authenticity of being correct voter.' and contains several input fields: 'Voter's Name :', 'Voter's Registered Email ID :', 'Select State:', 'Select District:', and 'Voter's Card No. :'. Each field has a placeholder text indicating what to enter. The 'Select State' and 'Select District' fields are dropdown menus.

ADMIN LOGIN



The screenshot shows a web browser window with the URL `localhost/Online-Voting-System/admin.html`. The page has a dark header with the text "eVoting" on the left and a green "Admin Panel" button on the right. The main content area is titled "Authentication" and contains two input fields: "Username" with the placeholder "Enter Admin's UserName" and "Password" with the placeholder "Enter Admin's Password". Below these fields is a blue "Sign In" button with a user icon.

RESULT PANNEL

