

ECM 1005
Principles Of Software Engineering
J Component Report

A project report titled
ONLINE ELECTION SYSTEM

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BACHELOR OF TECHNOLOGY
IN
ELECTRONICS AND COMPUTER ENGINEERING



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Submitted to

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School of Electronics Engineering

DECLARATION BY THE CANDIDATE

I hereby declare that the Report entitled “**ONLINE ELECTION SYSTEM**” submitted by me to VIT Chennai is a record of bonafide work undertaken by me under the supervision of **Dr. K.SUGANTHI , Senior Assistant Professor, SENSE, VIT Chennai.**

J KEERTHIVASAN

P MOTISH RAJ

Signature of the Candidate

Chennai

03/11/2020.

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We thank our parents, family, and friends for bearing with us throughout the course of our project and for the opportunity they provided us in undergoing this course in such a prestigious institution.

BONAFIDE CERTIFICATE

Certified that this project report entitled “**ONLINE ELECTION SYSTEM**” is a bonafide work of **J.KEERTHIVASAN (19BLC1045) , P.MOTISH RAJ (19BLC1088)** carried out the “J”-Project work under my supervision and guidance for ECM 1005 Principles Of Software Engineering.

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ABSTRACT

An election is a formal group decision-making process by which a population chooses an individual or multiple individuals for certain privileged positions of an organization. To elect means "to select or make a decision". So, election means the process of selecting or making a decision.

Elections are very important to know the opinion of general people. For conducting elections the officials have to do a lot of paper-work and burden themselves until the declaration of results. Moreover, many human errors may occur while counting which decreases the accuracy of result. Candidates may indulge in malpractice. In order to overcome these limitations a software can be developed in which people can vote online.

Voters need not wait for long time to poll because they can poll from anywhere and anytime. The results will be 100% accurate and can be generated quickly. It also decreases the possibility of human errors which occurs often during the normal offline elections. This includes creation of admin or election commissioner login and voter login.

Chapter-I

INTRODUCTION

Online Election System is an online voting technique in which the voters instead of going to polling booth and casting their vote, can sit at their home or anywhere else and cast their vote. They can also vote at anytime within the duration of the election. Everything they need to have is just their basic information like name, registered mail ID and voter's card number and a stable network connection to make use of this system. There is a database which is maintained in order to check the validity of the users/voters. In online election system a voter can use his/her voting rights online without any difficulty.

The voters will feel easy to vote in this system because they need not stand in the long queue for voting instead they just can sit in their homes and cast their vote peacefully. As a result, many people who don't vote will also utilize this system and do their voting which makes them feel as a responsible citizen. The percentage of voting will also increase which is very essential for a good democratic election.

The main objectives of this project:

- To design a website to conduct elections online.
- To design authentication options like administrator login.
- To display the profile of the candidates representing the parties to the voters so that they can select their favourite.
- To view the results of the elections and the stand of the parties in the election under the admin panel.
- To authenticate the user/voter with his/her voter's card number.
- To save the vote casted by each voter and incrementing the vote count of the parties/candidates that they voted.

Chapter-2

PROPOSED SYSTEM

- This system can be used to conduct elections throughout the country/organization.
- The election commission opens the online portal , where each voter id is given only one login which can be opened only once and voted.
- Once the vote is being cast by a person he/she cannot vote again.
- The admin alone can see the results but can't see who has casted which vote.
- The results can be displayed very quickly within hours and it will be more accurate and precise than the normal offline elections.

REQUIREMENTS

Functional Requirements:

- Enhancement to the online election system will primarily provide a more precise vote management tool that will establish accountability and improve data accuracy, and thus allowing voters to feel a greater level of confidence in the reported data.
-
- The following represents a set of functional requirements for the Online Election System:
 -
 - The system must provide voters with accurate data.
 - Metric reports of current/live votes must be provided.
 - The system should make use of tools available for users on the internet.
 - It must adhere to the requirements of the organization.
 - The user interface should be simple and easy to use and should be accessible to all people via a web browser.
 - The system must grant technician/user with general communications and training documents.
 - The system should allow voting administrators to make updates to the voter information database.

Non-Functional Requirements:

- Non-functional requirements may be regarded as parameters of functionality in that they determine how quickly, how accurately, how reliably, how securely, etc., functions must operate. The Online Election System's non-functional requirements are as follows:
- Response and net processing time must be acceptable by user and by application.
- The system should provide documentation to inform users of system functionality and any changes to the system.
- The system must be working at 100% peak efficiency during the voting process.
- Due to the shortness of the voting time frame, the system should support response time for addressing severe issues in less than 5 minutes.
- The system should provide accurate time and date settings.
- The system should not allow voter submissions to be observed or recorded in any way that is traceable to the individual voter.

Chapter-3

MODULE DESCRIPTION

Index/Home Page:

Code:

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="utf-8">
5  <meta http-equiv="X-UA-Compatible" content="IE=edge">
6  <meta name="viewport" content="width=device-width, initial-scale=1">
7  <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
8  <title>Online Election System</title>
9
10 <!-- Bootstrap -->
11 <link href="css/bootstrap.min.css" rel="stylesheet">
12
13 <link href="http://fonts.googleapis.com/css?family=Ubuntu" rel="stylesheet" type="text/css">
14 <link href="http://fonts.googleapis.com/css?family=Raleway" rel="stylesheet" type="text/css">
15 <link href="http://fonts.googleapis.com/css?family=Oswald" rel="stylesheet" type="text/css">
16 <link href="http://fonts.googleapis.com/css?family=Roboto+Condensed" rel="stylesheet" type="text/css">
17
18 <style>
19
20 body{
21     margin:0px;
22     padding:0px;
23 }
24
25 .headerFont{
26     font-family: 'Ubuntu', sans-serif;
27     font-size: 24px;
28 }
29
30 .subFont{
31     font-family: 'Raleway', sans-serif;
32     font-size: 14px;
33 }
34
35 .specialHead{
36     font-family: 'Oswald', sans-serif;
37 }
38
39 .normalFont{
40     font-family: 'Roboto Condensed', sans-serif;
41 }
42
43 a {
44     color: #FFFFFF;

```

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
79 </head>
80 <body>
81
82 <div class="container">
83 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
84     " role="navigation">
110 </nav>
111 </div>
112
113 <div class="container-fluid">
114 <div class="row">
115 <div class="col-sm-12">
116 <div class="jumbotron text-center text-block" style="padding-top:170px;">
117 
118 <h1 class="specialHead">Online Election System</h1>
119 <p class="normalFont">Safe . Reliable . Secure </p>
120
121 <a href="vault.html" class="btn btn-primary btn-md specialHead"><span class="glyphicon glyphicon-tag"></span> Cast Your Vote</a>
122 </div>
123 </div>
124 </div>
125 </div>
126
127 <div class="conatiner" id="featuresTab">
128 <div class="row">
129 <div class="col-sm-12 text-center">
130 <div class="page-header" style="padding-top:50px;padding-bottom:50px">
131 <h1 class="normalFont" style="font-size:44px;">WHAT IS IT.</h1>
132 <p class="subFont" style="font-size:24px;"><em>An Interactive Way To Conduct Elections.</em></p>
133 </div>
134 </div>
135 </div>
136 </div>
137
138 <div class="conatiner" style="padding:50px;" id="aboutTab">
139 <div class="row">
140
141
142 <div class="col-sm-4 text-center">
143
144


```

This is the code for our home page or the index page. In the home page, we can see many options like Cast your vote, Admin panel, e-Voting, Features, About, Feedback, Nomination. This serves as the base for the website from which all the other options and features of the web page can be accessed by clicking the respective buttons.




eVoting
Features
About
Feedback
Admin Panel

WHAT IS IT.
An Interactive Way To Conduct Elections.




VOTE ONLINE.

You Just Need Basic Details of Yours and We Will Let You Vote.



Nomination


Admin's Control Panel allows you to manage the list of filled nomination.



Statistics


Shows You the Graphical Data Representation of your votes. And, it is in Admin's Control Panel.

eVoting
Features
About
Feedback
Admin Panel




VOTE ONLINE.

You Just Need Basic Details of Yours and We Will Let You Vote.




Nomination

Admin's Control Panel allows you to manage the list of filled nomination.



Statistics




Shows You the Graphical Data Representation of your votes. And, it is in Admin's Control Panel.



CONTACT

If You have any suggestion regarding our election system. We 'll welcome your suggestion.

Feedback

Democrats




Authentication:

Code:

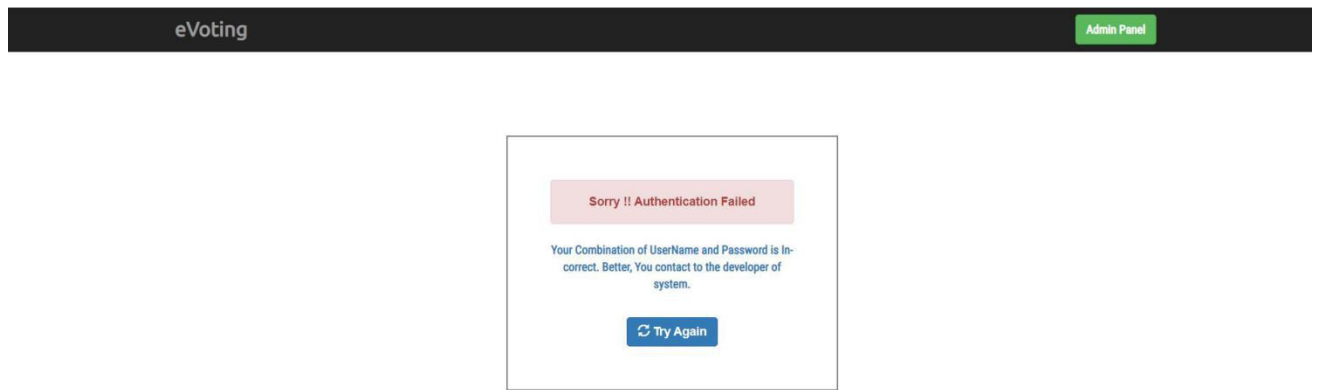
```

File Edit Selection Find View Goto Tools Project Preferences Help
authentication.php x
1 |
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
47 </head>
48 <body>
49
50 <div class="container">
51 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
52 " role="navigation">
53 </nav>
54
55
56
57
58
59
60
61
62 <div class="container" style="padding-top:150px;">
63 <div class="row">
64 <div class="col-sm-4"></div>
65 <div class="col-sm-4 text-center" style="border:2px solid gray;padding:50px;">
66 <?php
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87 // Credentials
88 $hostname= "localhost";
89 $username= "root";
90 $password= "";
91 $database= "db_evoting";
92
93
94 // UserInput Test
95 function test_input($data) {
96 $data = trim($data);
97 $data = stripslashes($data);
98 $data = htmlspecialchars($data);
99
100 return $data;
101 }
102
103 if(empty($_POST['adminUserName']) || empty($_POST['adminPassword']))
104 {
105 $error= "UserName or Password is Required.";
106 }
107 else
108 {
109 $admin_username= test_input($_POST['adminUserName']);
110 $admin_password= test_input($_POST['adminPassword']);

```

In this authentication page, the system checks for the validity of the admin login credentials entered. If the entered login credentials are correct, the system opens the next page which is the control panel which can only be viewed in admin panel after successful login.

If the entered credentials are wrong then the system displays the message that “Sorry! Authentication Failed” and instructs us to try again.



Admin Panel:

Code:

```

File Edit Selection Find View Goto Tools Project Preferences Help
admin.html x
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
46 </head>
47 <body>
48
49 <div class="container">
50 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
51     " role="navigation">
52 </nav>
53
54 <div class="container" style="padding-top:150px;">
55 <div class="row">
56 <div class="col-sm-4"></div>
57 <div class="col-sm-4" style="border:2px solid gray;padding:50px;">
58
59 <div class="page-header">
60 <h2 class="specialHead">Authentication</h2>
61 </div>
62 <form action="authentication.php" method="POST">
63 <div class="form-group">
64 <label for="">Username</label><br>
65 <input type="text" name="adminUserName" placeholder="Enter Admin's UserName" class="form-control"><br>
66
67 <label for="">Password</label><br>
68 <input type="password" name="adminPassword" class="form-control" placeholder="Enter Admin's Password"><br>
69
70 <button type="submit" class="btn btn-block span btn-primary "><span class="glyphicon glyphicon-user"></span> Sign In</button>
71
72 <label id="error"></label>
73 </div>
74 </form>
75 <br>
76 </div>
77 <div class="col-sm-4"></div>
78 </div>
79 </div>
80
81 <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->

```

When you click the admin panel, we can see a login page and if we enter the correct login credentials the system will direct us to the next page which is the control panel.

eVoting
Admin Panel

Authentication

Username
Enter Admin's UserName

Password
Enter Admin's Password

Sign In

Control Panel:

Code:

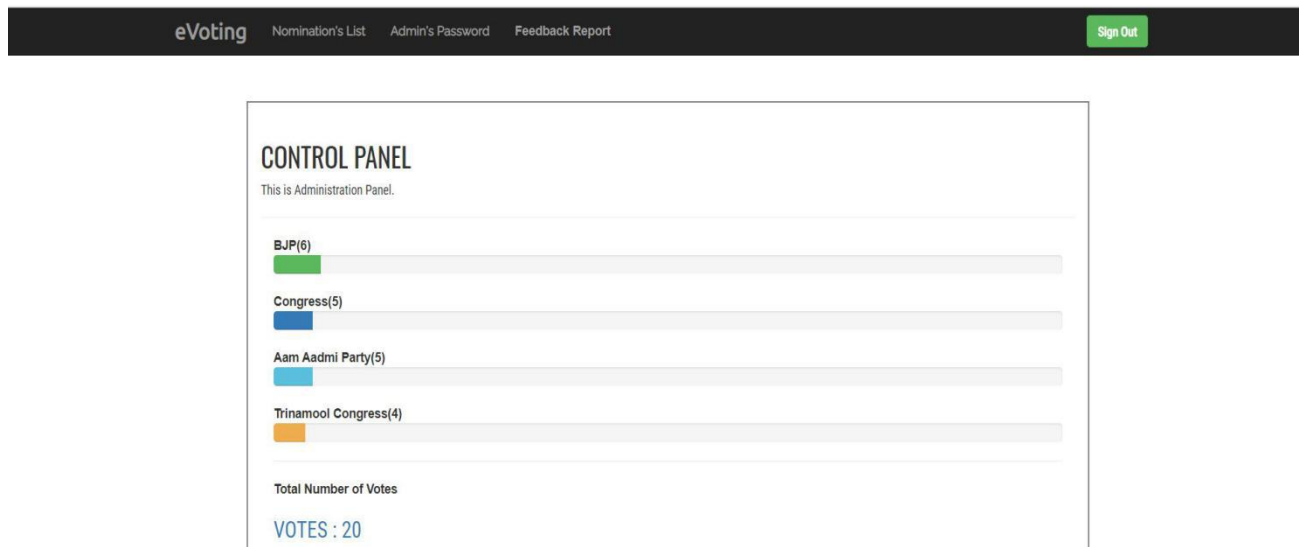
```

1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8">
5      <title>eVoting</title>
6    </head>
7    <body>
8      <div class="container">
9        <nav class="navbar navbar-default navbar-fixed-top navbar-inverse"
10           role="navigation">
11          <div class="container">
12            <div class="col-sm-12" style="border: 2px solid gray;">
13              <div class="page-header">
14                <h2 class="specialHead">CONTROL PANEL</h2>
15                <p class="normalFont">This is Administration Panel.</p>
16              </div>
17              <div class="col-sm-12">
18                <?php
19                  require 'config.php';
20
21                  $BJP=0;
22                  $INC=0;
23                  $AAP=0;
24                  $TMC=0;
25
26                  $conn = mysqli_connect($hostname, $username, $password, $database);
27                  if(!$conn)
28                  {
29                    echo "Error While Connecting.";
30                  }
31                  else
32                  {
33                    //BJP
34                    $sql ="SELECT * FROM tbl_users WHERE voted_for='BJP'";
35                    $result= mysqli_query($conn, $sql);
36
37                    if(mysqli_num_rows($result)>0)
38                    {
39                      while($row= mysqli_fetch_assoc($result))
40                    }
41                  }
42                </div>
43              </div>
44            </div>
45          </nav>
46        </div>
47      </body>
48    </html>

```

After entering the valid login credentials for admin's authorization the system will direct us to the next page which is named as the control panel. In control

panel we can see the current status of the election. It shows you the graphical data representation of the votes that has been cast till that time. It displays the total number of votes and also the number of votes that each of the party has got. This cannot be viewed by the voters.



Nomination: Code:





```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
46 </head>
47 <body>
48
49 <div class="container">
50 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
51     " role="navigation">
52 </nav>
53
54 <div class="container" style="padding:100px;">
55 <div class="row">
56 <div class="col-sm-3">
57 
58 <h4 class="normalfont text-center">Narendra Modi</h4>
59 <h5 class="normalfont text-center">Modi, a leader of the Bharatiya Janata Party, was the Chief Minister of Gujarat from 2001 to 2014 and is the Member of Parliament
60 from Varanasi.</h5>
61 <hr>
62 <ul class="normalfont text-left">
63 <li>Born: September 17, 1950 (age 70), Vadnagar</li>
64 <li>Spouse: Jashodaben Modi</li>
65 <li>Education: Gujarat University (1983), University of Delhi (1978)</li>
66 <li>Parents: Heeraben Modi, Damodardas Mulchand Modi</li>
67 <li>Awards: CNN-IBN Indian of the Year</li>
68 </ul>
69 </div>
70 <div class="col-sm-3">
71 
72 <h4 class="normalfont text-center">Rahul Gandhi</h4>
73 <h5 class="normalfont text-center">Rahul Gandhi; is the Vice-President of the Indian National Congress party and the Chairperson of the Indian Youth Congress and the
74 National Students Union of India.
75 <hr>
76 <ul class="text-left">
77 <li>Born: June 19, 1970 (age 50), New Delhi</li>
78 <li>Full name: Rahul Gandhi</li>
79 <li>Parents: Sonia Gandhi, Rajiv Gandhi</li>
80 <li>Siblings: Priyanka Gandhi</li>
81 <li>Education: Trinity College, Cambridge (1994-1995)</li>
82 <li>Awards: CNN-IBN Indian of the Year in Politics</li>
83 </ul>
84 </div>
85 </div>
86 </div>
87 </body>
88 </html>

```

In nomination, we can see the profile or the bio-data of the candidates representing the respective parties in the election. It can be viewed both by user and admin. The voters want to get some information about the candidates so it is visible for them also. By seeing the nomination voters can choose their favourite candidate.

eVoting
Admin Panel

 <p>Narendra Modi</p> <p>Modi, a leader of the Bharatiya Janata Party, was the Chief Minister of Gujarat from 2001 to 2014 and is the Member of Parliament from Varanasi.</p> <hr/> <ul style="list-style-type: none"> Born: September 17, 1950 (age 70), Vadnagar Spouse: Jashodaben Modi Education: Gujarat University (1983), University of Delhi (1978) Parents: Heeraben Modi, Damodardas Mulchand Modi Awards: CNN-IBN Indian of the Year 	 <p>Rahul Gandhi</p> <p>Rahul Gandhi is the Vice-President of the Indian National Congress party and the Chairperson of the Indian Youth Congress and the National Students Union of India.</p> <hr/> <ul style="list-style-type: none"> Born: June 19, 1970 (age 50), New Delhi Full name: Rahul Gandhi Parents: Sonia Gandhi, Rajiv Gandhi Siblings: Priyanka Gandhi Education: Trinity College, Cambridge (1994-1995) Awards: CNN-IBN Indian of the Year in Politics 	 <p>Arvind Kejriwal</p> <p>Arvind Kejriwal is a former bureaucrat, who is the current and 7th CM of Delhi.</p> <hr/> <ul style="list-style-type: none"> Born: August 16, 1968 (age 52), Siwani Parents: Gobind Ran Kejriwal, Gita Devi Spouse: Sunita Kejriwal Education: IIT Kharagpur (1988-1989) Awards: NDTV Indian of the year, CNN-IBN Indian of the Year in Politics 	 <p>Mamata Banerjee</p> <p>Mamata Banerjee is an Indian politician who is the 8th and current CM of West Bengal.</p> <hr/> <ul style="list-style-type: none"> Born: Jan 5, 1955 (age 65). Achievements: First woman CM of West Bengal Parents: Gayetri Devi, Promileswar Banerjee Siblings: Kali Banerjee, Ajit Banerjee Education: Asutosh College Previous Party: Indian National Congress (INC)
---	--	--	---

Change Password:

Code:

```

File Edit Selection Find View Goto Tools Project Preferences Help
changePassword.php x
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
46   </head>
47   <body>
48
49   <div class="container">
50     <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
51         " role="navigation">
76     </nav>
77
78
79     <div class="container" style="padding-top:100px;">
80       <div class="row">
81         <div class="col-sm-4"></div>
82         <div class="col-sm-4" style="border:2px solid gray;padding:50px;">
83
84           <div class="page-header">
85             <h2 class="specialHead">Admin's Password</h2>
86           </div>
87
88           <form action="updatePwd.php" method="POST">
89             <div class="form-group">
90               <label for="">Old Password</label><br>
91               <input type="text" name="existingPassword" placeholder="Enter Old Password" class="form-control"><br>
92
93               <label for="">New Password</label><br>
94               <input type="password" name="newPassword" class="form-control" placeholder="Enter New Password"><br>
95
96               <label for="">Retype Password</label><br>
97               <input type="password" name="retypePassword" class="form-control" placeholder="Enter New Password Again"><br>
98
99               <button type="submit" class="btn btn-block span btn-primary "> <span class="glyphicon glyphicon-ok"></span> Change Password</button>
100             </div>
101           </form>
102         </div>
103       </div>
104     </div>
105   </div>
106
107 </div>
108
109 <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
110 <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>

```

This option is available under the admin panel for changing the current password named as Admin's Password. For changing the password, the admin has to enter the old password and then he should enter the new password. For confirming the new password the admin has to re-type the password again. Then on clicking the change password button, the password gets updated.

eVoting
Admin Panel

Admin's Password

Old Password

New Password

Retype Password

✓ Change Password

Feedback Report:

Code:

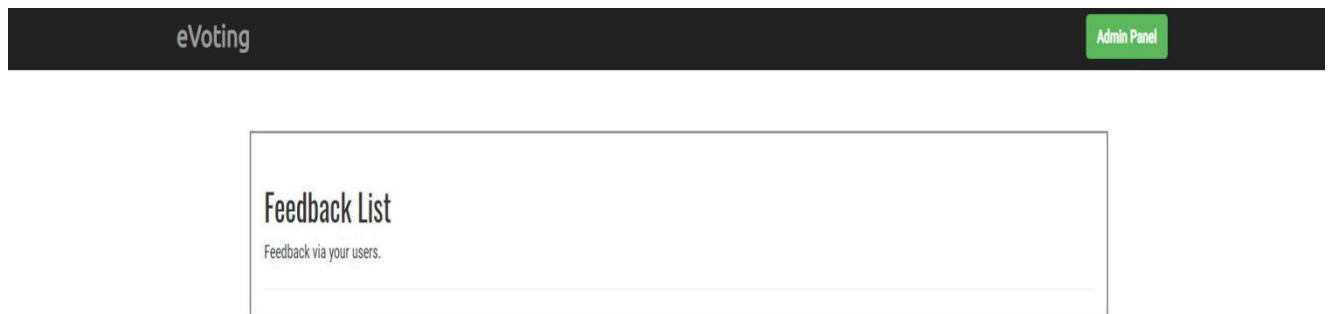
```

File Edit Selection Find View Goto Tools Project Preferences Help
feedbackReport.php x
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     </head>
5   <body>
6
7     <div class="container">
8       <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
9         " role="navigation">
10
11       </nav>
12
13       <div class="container" style="padding:10px;">
14         <div class="row">
15           <div class="col-sm-12" style="border:2px solid gray;">
16
17             <div class="page-header">
18               <h2 class="specialHead">Feedback List</h2>
19               <p class="normalFont">Feedback via your users.</p>
20             </div>
21
22             <?php
23
24             ?>
25
26           </div>
27         </div>
28       </div>
29     </div>
30
31     <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
32     <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.2/jquery.min.js"></script>
33     <!-- Include all compiled plugins (below), or include individual files as needed -->
34     <script src="js/bootstrap.min.js"></script>
35   </body>
36 </html>

```

Under admin panel, we can see an option called feedback report in which we can view the feedback(if any) given by the voters/users. This will be useful for the

developers in updating or making changes in the system which makes it more efficient.



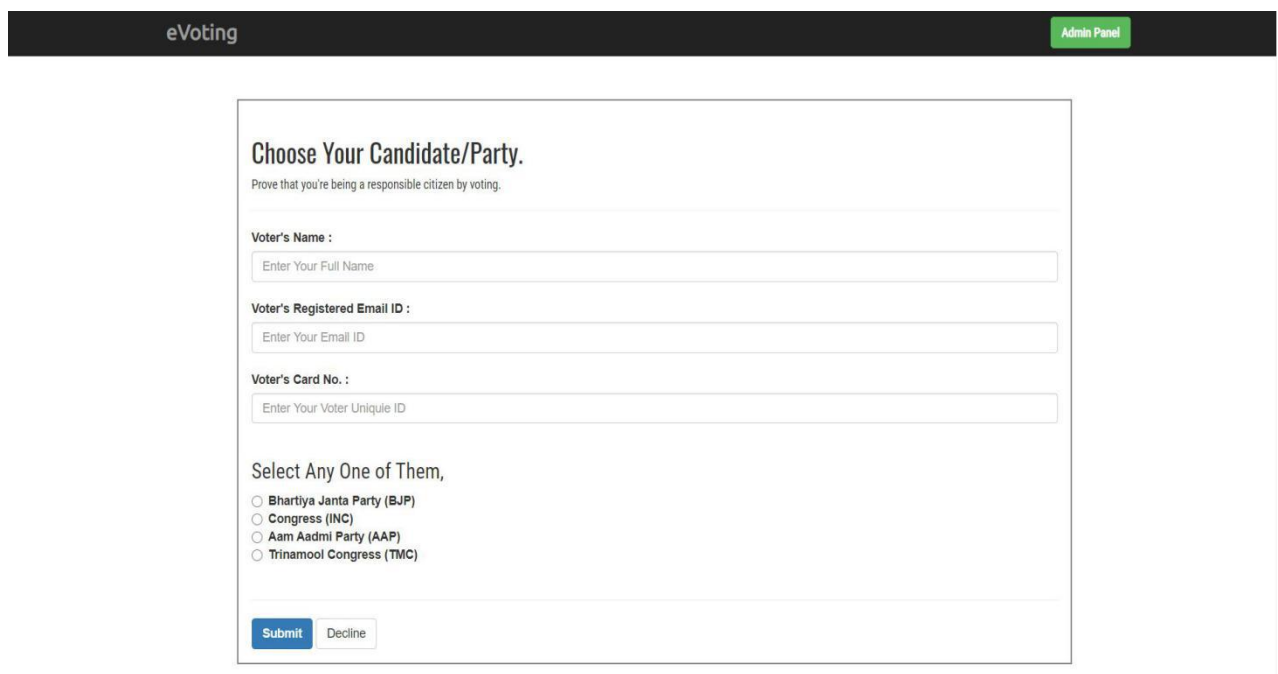
Voting Panel:

Code:

```
File Edit Selection Find View Goto Tools Project Preferences Help
vault.html x
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
45 </head>
46 <body>
47
48 <div class="container">
49 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
50 " role="navigation">
51 <div class="container">
52 <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#example-nav-collapse">
53 <span class="icon-bar"></span>
54 <span class="icon-bar"></span>
55 <span class="icon-bar"></span>
56 </button>
57 <div class="navbar-header">
58 <a href="index.html" class="navbar-brand headerFont text-lg"><strong>eVoting</strong></a>
59 </div>
60
61 <div class="collapse navbar-collapse" id="example-nav-collapse">
62 <ul class="nav navbar-nav">
63 <!--
64 <li><a href="#featuresTab"><span class="subFont"><strong>Features</strong></span></a></li>
65 <li><a href="#feedbackTab"><span class="subFont"><strong>Feedback</strong></span></a></li>
66 <li><a href="#"><span class="subFont"><strong>About</strong></span></a></li>
67 -->
68 </ul>
69
70 <button type="submit" class="btn btn-success navbar-right navbar-btn"><span class="normalFont"><strong>Admin Panel</strong></span></button>
71 </div>
72
73 </div> <!-- end of container -->
74 </nav>
75
76 <div class="container" style="padding:100px;">
77 <div class="row">
78 <div class="col-sm-12" style="border:2px solid gray;">
79
80 <div class="page-header">
81 <h2 class="specialHead">Choose Your Candidate/Party.</h2>
82 <p class="normalFont">Prove that you're being a responsible citizen by voting.</p>
83 </div>
84
85
```

In the index page, if we click on “Cast your vote” button, the system directs us to the voting panel. In the voting panel we can see certain basic information asked about the voter like voter’s name, registered email ID and voter’s card number. The voter has to fill in these basic details correctly. Then he has to select his favourite party/candidate.

Then he has to click the submit button. If all the details are valid then the vote is considered for counting else he has to enter the wrong details again to vote. Until, he/she enters the correct information the vote will not be considered.



The screenshot shows the eVoting interface. At the top, there is a dark header bar with the text "eVoting" on the left and a green "Admin Panel" button on the right. Below the header, the main content area displays a form titled "Choose Your Candidate/Party." with a subtitle "Prove that you're being a responsible citizen by voting." The form contains three input fields: "Voter's Name :" with a placeholder "Enter Your Full Name", "Voter's Registered Email ID :" with a placeholder "Enter Your Email ID", and "Voter's Card No. :" with a placeholder "Enter Your Voter Unique ID". Below these fields, there is a section titled "Select Any One of Them," followed by four radio button options: "Bhartiya Janta Party (BJP)", "Congress (INC)", "Aam Aadmi Party (AAP)", and "Trinamool Congress (TMC)". At the bottom of the form, there are two buttons: a blue "Submit" button and a grey "Decline" button.

If the entered details does not match, it displays the message “Please match the requested format”.

Choose Your Candidate/Party.

Prove that you're being a responsible citizen by voting.

Voter's Name :

Voter's Registered Email ID :

Voter's Card No. :

Please match the requested format.

Select Any One of Them,

☐ Bhartiya Janta Party (BJP)
☒ Congress (INC)
☐ Aam Aadmi Party (AAP)
☐ Trinamool Congress (TMC)

Saving Vote:

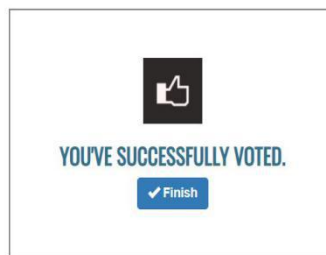
Code:

```

File Edit Selection Find View Goto Tools Project Preferences Help
saveVote.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
46 </head>
47 <body>
48
49 <div class="container">
50 <nav class="navbar navbar-default navbar-fixed-top navbar-inverse
51     " role="navigation">
76 </nav>
77
78
79 <div class="container" style="padding-top:150px;">
80 <div class="row">
81 <div class="col-sm-4"></div>
82 <div class="col-sm-4 text-center" style="border:2px solid gray;padding:50px;">
83
84 <?php
85
86     require('config.php');
87
88
89
90
91
92
93     if(isset($_POST["submit"])){
94         if(isset($_POST["voterName"]) && isset($_POST["voterEmail"]) && isset($_POST["voterID"]) && isset($_POST["selectedCandidate"]))
95         {
96             $name= test_input($_POST["voterName"]);
97             $email= test_input($_POST["voterEmail"]);
98             $voterID= test_input($_POST["voterID"]);
99             $selection= test_input($_POST["selectedCandidate"]);
100         }
101     }
102     else
103     {
104         echo "<br>All Field Required";
105     }
106
107 $DB_HOST= "localhost";
108 $DB_USER="root";
109 $DB_PASSWORD="";
110 $DB_NAME="db_evoting";

```


If the entered details in the voting panel are valid, then the system saves the vote and considers for counting. The users/voters will get a confirmation message that they have voted successfully. Then on clicking the finish button the system directs the voters to the home page which indicates that they are logged out.



Chapter-4

DISCUSSION

Tools used to design this project:

Front-End:

- HTML
- CSS
- Bootstrap
- JavaScript

Back-End:

- PHP
- SQL(Database)

Deployment:

- For deploying the website, we have used a control panel called as “XAMPP Control Panel” which serves as a local server for implementing our project.
- The version used is v3.2.4

The main idea is to reduce the chances of malpractice and reduce the delay of publishing the results. By this software we can get accurate results and also reduce the cost for conduction of elections physically in the offline mode.

We also have some disadvantages like server crash problems due to high number of users/voters in a particular time. But we could still work on these problems and come up with a good result.

RESULTS

Link to the web-site: <http://localhost/Online-Election-System/>

Thus, we have full-filled the objectives for an online election system.

- We have designed a website in which we can conduct elections online.
- We have designed authentication options like administrator login.
- We displayed the profile of the candidates representing their parties under the nomination.
- We were able to view the results of elections and the stand of the parties in the election under the control panel of admin login.
- We have authenticated the user/voter with his/her voter's card number.
- We have saved the vote cast by each voter and incremented the vote count of the parties/candidates that they have voted to.
- We also met the functional and non-functional requirements specified earlier.

Chapter-5

CONCLUSION

- This Online Election System creates a platform between voters and the election commission over the internet. People (especially senior citizens) who find it difficult to go to polling booths for voting can now easily vote by staying in their homes or anywhere. The prime social responsibility of the citizens of a democratic country is to cast their vote. Elections are the only way in which a common citizen can take part in the governmental decisions. So, conducting elections is a vital and challenging task for a democratic country like India where the population of voters is very high. In order to reduce the difficulties of the officials in conducting the election this Online Election System can be utilized. This system makes sure that the elections conducted are safe, reliable and secure. No one can see who has voted to which party or candidate. This also has many advantages as compared to the normal elections. The percentage of voting also gets increased because more people will vote if the election is conducted online as they are already exposed to the features of Internet very well and they will find it easier. As a result everybody will vote and choose their representatives which is a very good sign of democracy. The elected representatives will be the choice of the majority of the total citizens not the majority of the citizens who voted. So, there will be fairness in the elected

positions. Although it has some disadvantages, it will be a more effective and efficient if we research more on this and try to implement it in the real-time. Thus, we can conclude that an Online Election System can make a great impact in the politics and decision-making of a country.

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