

# Digital Voting

## **SUMMARY :**

Digital technology brings greater efficiency in many walks of life, and elections are no exception.

Online databases hugely facilitate the task of creating and managing accurate and up-to-date

electoral rolls. In less developed countries, whose citizens often lack reliable identity documents,

biometric technology can help to identify voters, thus preventing fraud in the form of multiple voting.

## **The Proposed System :**

The online voting system is for the citizens from all Over India that consists of the data and information

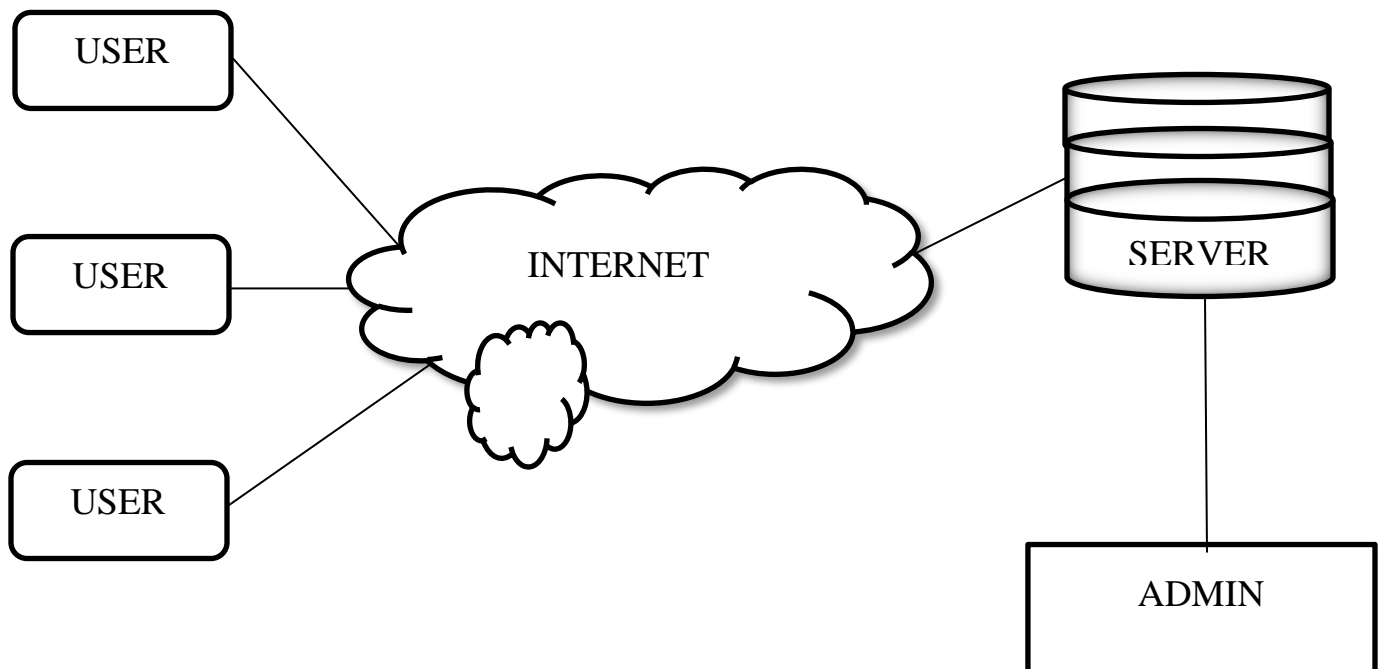
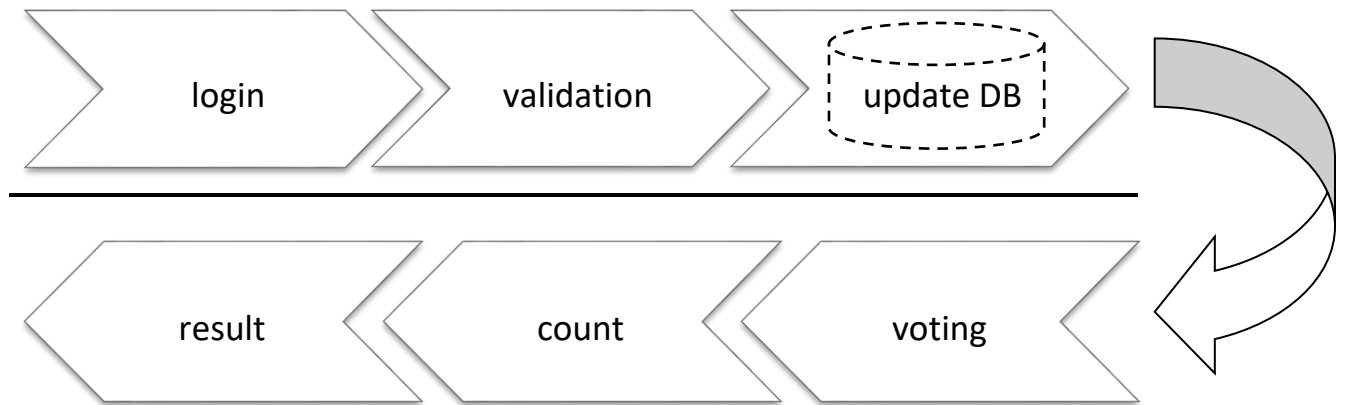
1. The database of the Voter's information and details
2. Voter's Id
3. Calculation of total votes
4. Checking information by the voter
5. Remove wrong information

## **Advantages :**

- Faster counting and delivering of election results.
- Increased trust in elections as human error is avoided.
- Increased voter turnout, especially when internet voting is involved.
- **Cost reduction when applying e-Voting on multiple electoral events.**
- Reduced ballot waste.
- Scam Prevention :

e-Voting and online voting reduce voter errors and the chances of voter scam, increasing electoral integrity.

**Flow Chat :**



## **MODULE DESCRIPTION**

### **HTML**

A markup language used to structure text and multimedia documents and to set up hypertext links between documents, used extensively on the World Wide Web.

### **CSS**

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

### **JS**

JavaScript is a dynamic programming language that's used for web development, in web applications, for game development, and lots more. It allows you to implement dynamic features on web pages that cannot be done with only HTML and CSS. Many browsers use JavaScript as a scripting language for doing dynamic things on the web.

### **MYSQLi**

The **My SQLi** Extension (MySQL Improved) is a relational database driver used in the PHP scripting language to provide an interface with MySQL databases. There are three main API options when considering connecting to a MySQL database server.

### **PHP**

PHP is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on websites or elsewhere.

### **PHPMYADMIN**

phpMyAdmin is a free software tool written in [PHP](#), intended to handle the administration of [MySQL](#) over the Web. phpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing

databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.

---

## IMPLEMENTATION

### Source Code

#### *front2.html*

```
<!DOCTYPE html>

<html>

<head>

    <title>election</title>

</head>

<style>  #login{
float:right;
display:relative;
    }

    #formm{    display:none;
float:right;  height:370px;
width:500px;  margin-
top:40px;    margin-right:-
40px;    text-align:center;
background-color:lightgreen;
border:4px outset lightgreen;
    }
    #close{    color:#ea2528; }

    #sub{    color:blue;

    }

    #note{    color:darkgreen;    font-size:12px;
```

```
} </style>

<body>

<div id='login'>

    <button onclick='login()'>login</button>

    <button onclick="location.href='res.php' ">Result</button>

</div>

<form action='/reg.php' method='post' id='formm' required>

    <h4 id='log'>LOGIN</h4>

    <label for='name' required>NAME &ensp; &ensp; &ensp; &ensp;;</label>

    <input type='text' name='name' placeholder='SHIVA.N' required> </br>    </br>
    <label for='adno'>AADHAR NO &nbsp;  ;</label>

    <input type='text' name='adno' placeholder='1234 5678 9012' required></br></br>

    <label for='voteid'>VOTER ID&ensp; &nbsp;   &ensp;;</label>

    <input type='text' name='voteid' placeholder='ABC0987657' required></br></br>

    <label for='phno'>MOBILE NO &ensp; ;</label>

    <input type='tel' name='phno' placeholder='1234567890' required></br></br>

    <label for='wardno'>WARD NO &ensp; &ensp; ;</label>

    <input type='text' name='wardno' placeholder='12' required></span> </br></br>

    <label for='area'>CONSITUENCY:</label>

    <input type='text' name='area' placeholder='ex nagar' required></br></br>

    <label for='footno'>CONSIT NO &ensp; &nbsp;  ;</label>

    <input type='text' name='footno' placeholder='111' required></br><hr></hr>

    <input type='submit' id='sub' value="submit" onclick="location.href='reg.php' ">

    <button onclick="location.reload()">close</button> </br>

    <note id="note">note*:GIVE THE DETAILS ABOVE THE FORMAT.*ALL LETTERS ARE
CAPITIAL</note>

</form>
```

```

</body> <script>
function login(){
    document.getElementById('formm').style.display='block';
}
</script>
</html>

```

### req.php

```

<html>

<title>Validate</title>

<style> #top{ width:98%;
height:60px; border:5px solid
darkblue; position:absolute;
background-color:lightgray;
}

#center{ color:black;
font:bold small-caps 50px Verdana; position:relative;
}

#err{ color:#ea2528;
}

.suc{ color:#45d326;
}

</style>

<div id="top"></div>

<center id="center">Welcome To Voting</center>

</html> <?php
echo "</br></br>";

$con=mysqli_connect("localhost","root","","election") or die("<b><center>connection failed
:</center></b><br>");

if($con and $_SERVER['REQUEST_METHOD']=='POST' or die("Security Policy You Are Not
Allowed")){

    echo "<br><br><hr>Server establish successfully<br>";
    if($_SERVER['REQUEST_METHOD']=='POST')

```

```

{
    $checkUserValidD=0;

    echo "<hl>REQUEST METHODE POST :</hl><br>";

    //          VALIDATION

    if(preg_match("/^[A-Z]{3}(| )|[A-Z]+(
)[AZ]{1}$/",htmlspecialchars($_POST['name'])))    if(preg_match("/^[0-9]{4}(| ) [0-
9]{4}(| ) [09]{4}$/",htmlspecialchars($_POST['adno'])))

        if(preg_match("/^[A-Z]{3}[0-9]{7}$/",htmlspecialchars($_POST['voteid'])))
    if(preg_match("/^[0-9]{10}$/",htmlspecialchars($_POST['phno'])))    if(preg_match("/^[0-
9]+/",htmlspecialchars($_POST['wardno'])))    if(htmlspecialchars($_POST['area']))
        if(preg_match("/^[0-9]{3}$/", htmlspecialchars($_POST['footno'])))

        {

            echo "<ins class='suc'>successfully</ins>" ;

            $name =$_POST['name'];

            $adno =$_POST['adno'];

            $voteid=$_POST['voteid'];

            $phno =$_POST['phno'];

            $wardno=$_POST['wardno'];

            $area =$_POST['area'];

            $footno=$_POST['footno'];

            $checkUserValidD=1;

        }

        else echo "<ins id='err'>Consituency Number Invalid</ins>";    else
echo "<ins id='err'>Consituency Invalid</ins>";    else echo "<ins
id='err'>Ward NO Invalid</ins>";    else echo "<ins id='err'>Mobile Number
Invalid</ins>";    else echo "<ins id='err'>VoterId Invalid</ins>";    else echo
"<ins id='err'>Aadar NO Invalid</ins>";    else echo "<ins id='err'>Name
Invalid</ins>";
    }

    if($checkUserValidD){ session_start();
$_SESSION['aadno']=$adno;    //session created

```

```

// THIS DB-----

$q1=mysqli_query($con,"select no from register order by no DESC"); //find last no

$q2=mysqli_fetch_array($q1);

$x=$q2['no'];

if(!mysqli_query($con,"select adno,voteid from election.register where adno=$adno AND
voteid=$voteid"))

{

    mysqli_query($con,"insert into election.register
(no,name,adno,voteid,phno,wardno,area,footno) values
($x+1,'$name','$adno','$voteid','$phno','$wardno','$area','$footno)");

}

if(mysqli_query($con,"select adno,voteid from election.register where adno='$adno' AND
voteid='$voteid'"))

{

    echo "Goto Voting to Click vote button below </br>";

}

echo "<hr></hr>"; //horizontal line;

    // VALIDATION OUTPUT echo "
<html>

<title>vote</title>

<head>

<style> #user{ color:darkred;
font:20px; } td{ width:7%;
height:30px; font-size:20px;
padding:4px; border-spacing:20px;
padding:1px 10px; border:2px solid
red; background-color:lightyellow;
border-collapse:separate;
}th{
color:orange;}

</style>

```



</head>

<body>

<center id='user'>User Validation</center></br>

<table style='width:88%'>

<tr>

<th>NAME</th>

<th>AADHAR NO</th>

<th>VOTE ID</th>

<th>MOBILE NO</th>

</tr>

<tr>

<td>".\$name."</td>

<td>".\$adno."</td>

<td>".\$voteid."</td>

<td>".\$phno."</td>

</tr>

<tr> <th rowspan="2"> </th>

</tr>

<tr>

<th>WARD NO</th>

<th>CONSITUENCY</th>

<th>CONSIT NO</th>

</tr>

<tr>

<td>".\$wardno."</td>

<td>".\$area."</td>

```

        <td>".$footno."</td>

    </tr>

</table>

</br></br>

    <button><a href='vote.php'>VOTE</a></button>

</body>

</html> " ;

}

}

?>

```

### **vote.php**

```

<html>
<style>
    table{
        padding:30px;
        height:10%;
        width: 100%;
    }

    div{

        border:3px inset chocolate;  text-align:
center;  line-height:80px;  lighting-
color:yellow;
    }

    td{  height:20%;
    }

</style>

<head>

    <title>VOTE</title>

    <?php

        $con=mysqli_connect("localhost","root","","election") or die("vote Closed");  session_start();

```

```
echo "AadharNo:",$_SESSION['aadno'];

$aadno=$_SESSION['aadno'];

?>

<center><h1>VOTE</h1></center>

</head>

<body>

    <form method="POST" action="vote.php" >

        <table>

            <tr>

                <td><div> <input type="radio" id="red" name="vote"
value="Red">Red</div></br></td>

                <td><div> <input type="radio" id="orange" name="vote"
value="Orange">Orange</div></br></td>

                <td><div> <input type="radio" id="green" name="vote"
value="Green">Green</div></br></td>

                <td><div> <input type="radio" id="blue" name="vote"
value="Blue">Blue</div></br></td>

                <td><div> <input type="radio" id="silver" name="vote"
value="Silver">Silver</div></br></td>

            </tr>

            <tr>

                <td> <div><input type="radio" id="brown" name="vote"
value="Brown">Brown</div></br></td>

                <td> <div><input type="radio" id="lime" name="vote"
value="Lime">Lime</div></br></td>

                <td> <div><input type="radio" id="maroon" name="vote"
value="Maroon">Maroon</div></br></td>

                <td> <div><input type="radio" id="indigo" name="vote"
value="Indigo">Indigo</div></br></td>
```

```

        <td> <div><input type="radio" id="gray" name="vote"
value="Gray">Gray</div></br></td>

    </tr>

</table>

<?php
    if($_SERVER['REQUEST_METHOD'] != 'POST'){        echo
"<h3></h3>";
        $x1=mysqli_query($con,"select sno from vote order by sno DESC");

        $x2=mysqli_fetch_array($x1);

        $x=$x2['sno'];                //SHOW LAST SNO

        //echo "no :".$x;    //total no in the DB

        if($x == "")                //its the 1st DATA        mysqli_query($con,"insert into
election.vote(sno,aano) values(1,'$aadno')");
        else{

            if(mysqli_query($con,"SELECT aano from vote where aano='\0'"))

                mysqli_query($con,"insert into election.vote(sno,aano) values($x+1,'$aadno')");

            else

                echo "<br>Alredy in DB<br>"; }

            if(mysqli_query($con,"SELECT aano from vote where aano='$aadno'")) // alredy eited
but not vote

        {

            $n1=mysqli_query($con,"SELECT sno from vote where aano='$aadno' " ) ;

            $n2=mysqli_fetch_row($n1) or die(mysqli_error($con));

            $n=$n2[0];

            // echo "<br>its a aadno ---> sno :".$n." | aadno : ".$aadno;

            $GLOBALS['n'] = $n;

        }

    }
}

```

```

?>

<center><input type="submit" value="Submit"></center>

</form>

</body>

</html>

<?php

    //check poll is empty or not to the coresspondent aadno

    $p1=mysqli_query($con,"SELECT poll FROM vote WHERE aano='$aadno' ");

    $p2=mysqli_fetch_row($p1);

    $P=$p2['0'];

    echo $P."=====";

    if(!$P){

        echo "REDY TO VOTE=====";

    }

//POST

    $no1=mysqli_query($con,"SELECT sno from vote where aano='$aadno'");

    $no2=mysqli_fetch_row($no1);

    $no=$no2[0];    echo

    "<br>".$no."<br>";

    if($_SERVER['REQUEST_METHOD']=='POST' or die("Give me

    Your

    Votes..."))

    {

        echo "<br><h3>POST...</h3>";

        $name1=$_POST['vote'] or die("<h3>Your are Not Voting</h3>");

        echo $name1;

        mysqli_query($con,"update vote SET poll='$name1' where sno='$no' ");

```

```

    } }
else{
    echo "VOTEED=====";

    echo "</br></br>GoTo <button onclick='res()>Result</button>";

}

session_abort();

?> <script>
function res() {
    window.location.replace("res.php");

}

</script>

```

### **res.php**

```

<html>

<head>

    <title>Result</title>

    <hr>

    <center>WELCOME TO RESULT</center>

    <hr>

    <?php $con=mysqli_connect('localhost','root','','election') or die('Result cant SEE');?>

</head>

<style> #tot{ height:
50px; width: 250px;
float: right; position:
relative; text-align:
center; color: blue;
border: 10px solid darkblue; font-size:
30px;
text-shadow:7px 2px 2px cyan ;

}

#FinR{

```

```
background-color: black; color:
white;
}
```

```
</style>
```

```
<body>
```

```
<div id="tot">
```

```
<?php
```

```
$con=mysqli_connect('localhost','root','','election') or die('Result cant SEE');
```

```
$t1=mysqli_query($con,"SELECT COUNT(poll) from vote");
```

```
$t2=mysqli_fetch_row($t1);
```

```
$t=$t2[0]; //Total Poll echo
```

```
"TOTAL :<b>$t</b>";
```

```
?>
```

```
</div>
```

```
<?php
```

```
if($_SERVER['REQUEST_METHOD'] != 'POST') echo "<form
action='/res.php' method='post'>
```

```
<label>Choose :</label>
```

```
<select name=poll>
```

```
<optgroup label='POLL'>
```

```
<option value='Red'>Red</option>
```

```
<option value='Orange'>Orange</option>
```

```
<option value='Green'>Green</option>
```

```
<option value='Blue'>Blue</option>
```

```
<option value='Silver'>Silver</option>
```

```
<option value='Brown'>Brown</option>
```

```
<option value='Lime'>Lime</option>
```

```

<option value='Maroon'>Maroon</option>
<option value='Indigo'>Indigo</option>
<option value='Gray'>Gray</option>
</optgroup>
<optgroup label='NOTA'><option value='Nota'>Nota</option></optgroup>
</select>
<input type='submit' value='GO'>
</form> ";
?>
</body>
<?php //select COUNT(poll) from vote where poll='Green';
if($_SERVER['REQUEST_METHOD'] == "POST")
{
    $pol=$_POST['poll'];
    echo "<br><center><h3>$pol</h3></center>";
    $p1=mysqli_query($con,"select COUNT(poll) from vote where poll='$pol' ");
    $p2=mysqli_fetch_row($p1);
    echo "</br></br><div id='tot'>$pol :$p2[0]</div>";
}
//FINAL_RESULT
$Final_RES=mysqli_query($con,"SELECT MAX(poll) from vote");
$Final_RES=mysqli_fetch_row($Final_RES); echo "Final
Result : ",$Final_RES[0];

?>
</html>

```



## Snapshots

### Login

election

localhost:81/front2.html

login Result

**LOGIN**

NAME : SHIVAJI

AADHAR NO : 1234 5678 9012

VOTER ID : ABCD987657

MOBILE NO : 1234567890

WARD NO : 12

CONSITUENCY : ex Nagar

CONSIT NO : 111

submit close

note\* GIVE THE DETAILS ABOVE THE FORMAT \*ALL LETTERS ARE CAPITAL

This is the first Web Page when you are enter the Host, then click “login” on topright of the page. Then it will pop up the LOGIN page.

localhost:81/front2.html

login Result

**LOGIN**

NAME : KRISH

AADHAR NO : 1111 2222 3333

VOTER ID : XY27654321

MOBILE NO : 0123456789

WARD NO : 07

CONSITUENCY : karur

CONSIT NO : 007

submit close

note\* GIVE THE DETAILS ABOVE THE FORMAT \*ALL LETTERS ARE CAPITAL

To login, first Need to fill the details displayed on the page, all details must be in capital.

After entered the all the details click on that ‘ Submit’ button.

## Validate



If any of the entered details are mistake, then you can't go to the next page, the page will display as incorrect

e.g., Aadhar No Incorrect.

Incorrect means, we have to start the process again from login page and enter the details in a correct way.



If any one access the path directly or illegal access(<'hostname/path'> like localhost:81/reg.php) without filled any details then the server identify and shows like 'Security Policy You Are Not Allowed'.

+ Options									
		no	name	adno	voteid	phno	wardno	area	footno
<input type="checkbox"/>	Edit	1	KAVIN	2222 2222 2222	ABC2222222	2222222222	22	RASI	222
<input type="checkbox"/>	Edit	2	GOKULKRISHNAN RAMANUJAM.B	3333 3333 3333	ABC3333333	3333333333	33	KOVAI	333
<input type="checkbox"/>	Edit	3	GOPAL	1111 1111 1111	ABC1111111	1111111111	11	WWW	111
<input type="checkbox"/>	Edit	4	SHIVA.A	1234 5678 9012	ABC1234567	1234567890	12	VVG NAGAR	111
<input type="checkbox"/>	Edit	5	SUREN	4444 4444 4444	ABC4444444	4444444444	44	QQQ	444
<input type="checkbox"/>	Edit	6	KRISH	1111 2222 3333	XYZ7654321	123456789	7	karur	7

All our details will be stored in php my admin database.

← → ↻ 🏠 📄 localhost:81/reg.php 90% ☆ 📄 ☰

## WELCOME TO VOTING

---

Server establish successfully  
REQUEST METHODE POST :  
[successfully](#) Goto Voting to Click vote button below

---

User Validation

NAME	AADHAR NO	VOTE ID	MOBILE NO
KRISH	1111 2222 3333	XYZ7654321	0123456789

WARD NO	CONSTITUENCY	CONSIT NO
07	karur	007

If all the above mentioned details are correct, then successfully you will enter the next page displaying as “User Validation”.

At this page you need to check the details given on previous page user Details.

After checking click the ‘VOTE’ option displayed on the left bottom of the page.

## Vote

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AadharNo:1111 2222 3333

## VOTE

<input type="radio"/> Red	<input type="radio"/> Orange	<input type="radio"/> Green	<input checked="" type="radio"/> Blue	<input type="radio"/> Silver
<input type="radio"/> Brown	<input type="radio"/> Lime	<input type="radio"/> Maroon	<input type="radio"/> Indigo	<input type="radio"/> Gray

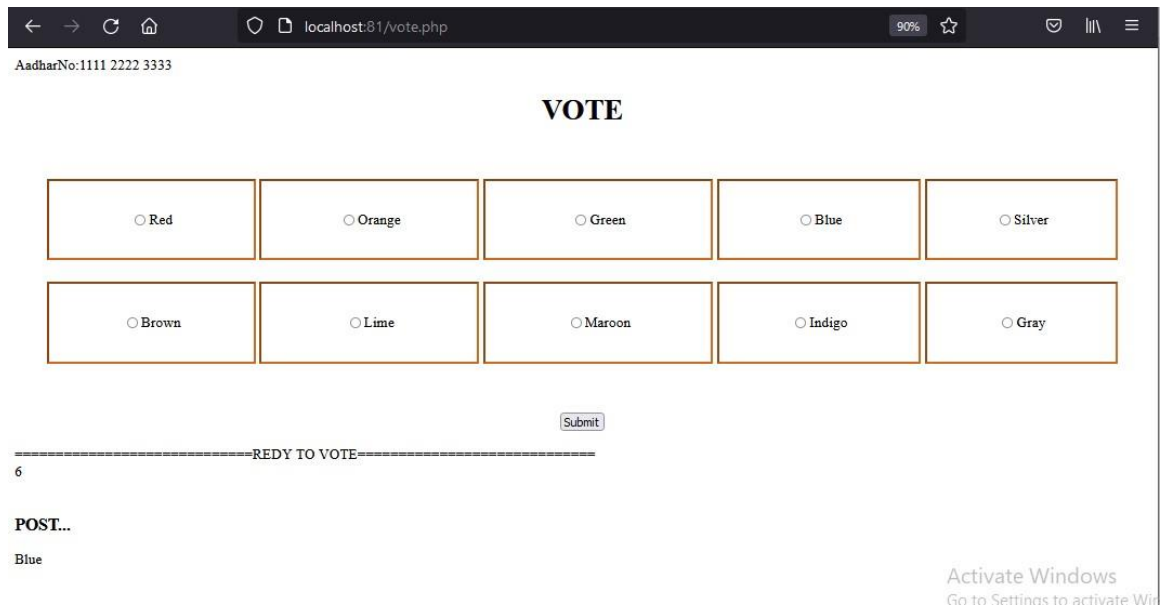
-----REDY TO VOTE-----

6  
Give me Your Votes...

Now click the icon near to the color which you have choose to vote.

e.g., Blue color clicked on the display page

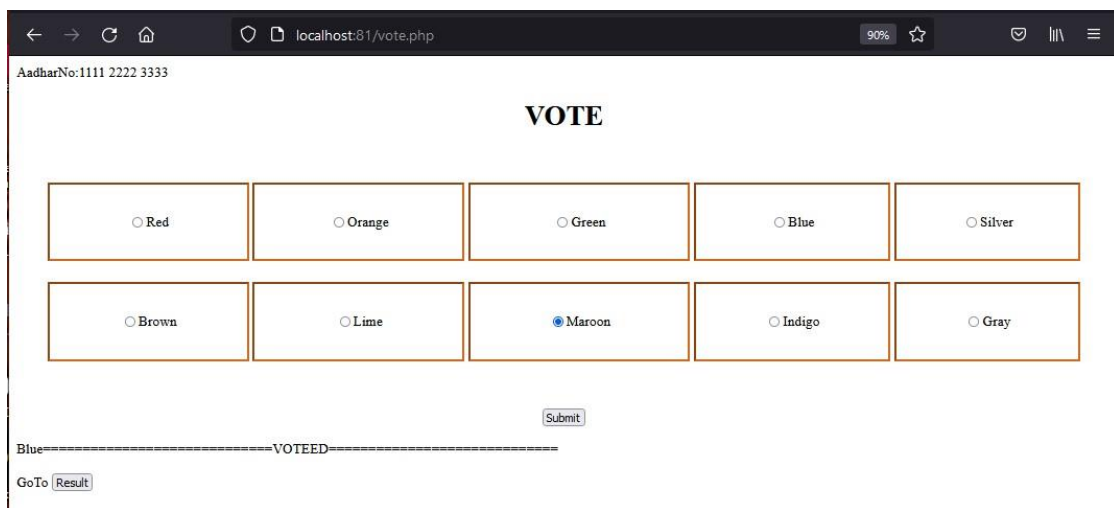
After clicking color party, click the submit button shown in the center bottom of the page.



Then you will get a message of voting on bottom of the page like

POST...

Blue



After voting no one can't change the your votes this is One Time Process.

If any one access your details and try to change the result ('Maroon'),it shows like  
Blue=====VOTED=====.

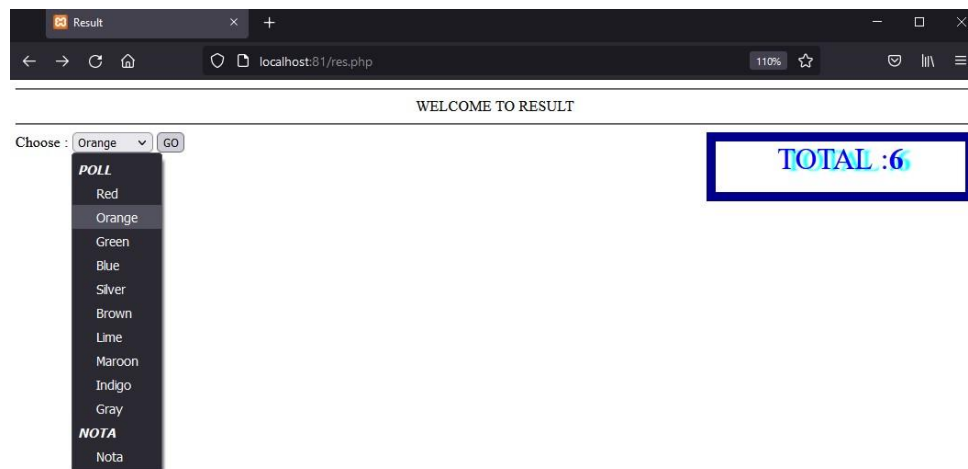
If we click on the RESULT button 'Go To' shown in left bottom of the page Then result page will be open.

## Result

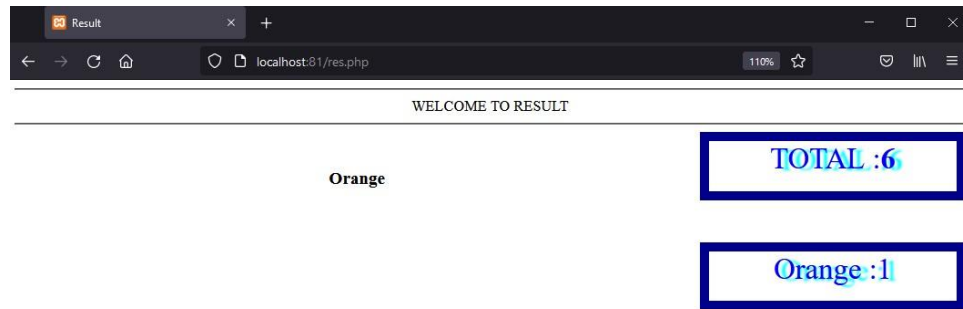


Now we are entering to Result page we can see 'WELCOME TO RESULT' the total number of voters will be shown on the top right corner of the page.

There we can see total number of votes for the particular party with color.



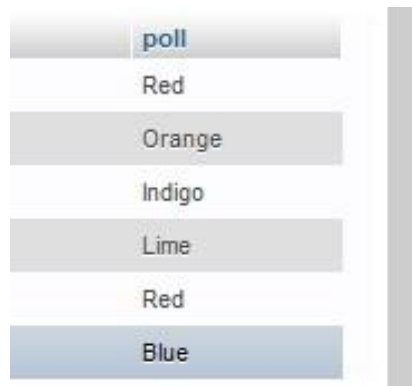
In drop down box we Can choose another party color and click the button GO to check total number of votes for the particular party.



For example, if chosen color is Orange it will show,

TOTAL: 6 ( total number of votes received)

Orange :1 (vote received for orange)



Then finally all votes will be recorded as a database format to the respective election committee leader.