FILE STRUCTURE

online-voting/

|−index.php

|−register.php

|− vote.php

|− result.php

|− admin.php

|− admin_dashboard.php

|− db.php

|-database.sql

|

|−− css/style.css

|--- images/candidates/

CSS

```css
body {
   font-family: Arial, sans-serif;
   background: linear-gradient(135deg, #667eea, #764ba2);
   height: 100vh;
   margin: 0;
}
.center {
   display: flex;
   justify-content: center;
   align-items: center;
}
.card {
   background: white;
   padding: 30px;
   border-radius: 10px;
   width: 320px;
   box-shadow: 0 10px 30px rgba(0,0,0,0.3);
}
.card h2 {
   text-align: center;
   margin-bottom: 20px;
}
input {
   width: 100%;
   padding: 10px;
   margin: 10px 0;
   border-radius: 5px;
   border: 1px solid #ccc;
}
button {
```

```css
    width: 100%;
    padding: 10px;
    background: #667eea;
    color: white;
    border: none;
    border-radius: 5px;
    font-size: 16px;
    cursor: pointer;
}
button:hover {
    background: #5a67d8;
}
table {
    width: 100%;
    border-collapse: collapse;
    background: white;
}
th, td {
    padding: 10px;
    border: 1px solid #ccc;
    text-align: center;
}
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: "Segoe UI", Tahoma, sans-serif;
}
body {
    background: linear-gradient(120deg, #1e3c72, #2a5298);
    min-height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
}
/* Card Layout */
.container {
    background: #fff;
    width: 380px;
    padding: 25px;
    border-radius: 12px;
    box-shadow: 0 15px 35px rgba(0,0,0,0.2);
    text-align: center;
}
/* Headings */
```

```css
h1 {
  color: #1e3c72;
  margin-bottom: 10px;
}
h2 {
  color: #444;
  margin-bottom: 20px;
}
/* Inputs */
input {
  width: 100%;
  padding: 12px;
  margin: 10px 0;
  border-radius: 8px;
  border: 1px solid #ccc;
  outline: none;
}
input:focus {
  border-color: #1e3c72;
}
/* Buttons */
button {
  width: 100%;
  padding: 12px;
  background: #1e3c72;
  color: #fff;
  border: none;
  border-radius: 8px;
  cursor: pointer;
  font-size: 16px;
  transition: 0.3s;
}
button:hover {
  background: #16335c;
}
/* Links */
a {
  display: block;
  margin-top: 12px;
  text-decoration: none;
  color: #1e3c72;
  font-weight: 600;
}
a:hover {
  text-decoration: underline;
```

```css
}
/* Candidate Cards */
.candidates {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(150px,1fr));
    gap: 15px;
}
.card {
    background: #f9f9f9;
    border-radius: 10px;
    padding: 15px;
    box-shadow: 0 8px 15px rgba(0,0,0,0.15);
}
.card img {
    width: 100%;
    height: 120px;
    object-fit: cover;
    border-radius: 8px;
}
.card h3 {
    margin: 10px 0;
    color: #1e3c72;
}
/* Admin Buttons */
.admin-btn {
    margin-top: 10px;
    background: crimson;
}
.success {
    color: green;
    margin-top: 10px;
}
.error {
    color: red;
    margin-top: 10px;
}
```

1.Admin_dashboard.php

```php
<?php
session_start();
include "db.php";

if (!isset($_SESSION['admin'])) {
    header("Location: admin.php");
    exit();
```

```php
}

/* ADD CANDIDATE */
if (isset($_POST['add'])) {
   $name = $_POST['name'];
   $dept = $_POST['dept'];

   $img = $_FILES['photo']['name'];
   $tmp = $_FILES['photo']['tmp_name'];
   $path = "images/candidates/" . $img;

   move_uploaded_file($tmp, $path);

   mysqli_query($conn,
      "INSERT INTO candidates(name, department, photo)
       VALUES('$name', '$dept', '$path')");
}

/* DELETE CANDIDATE */
if (isset($_GET['delete'])) {
   $id = $_GET['delete'];

   $img = mysqli_fetch_assoc(
      mysqli_query($conn, "SELECT photo FROM candidates WHERE id=$id")
   );
   if (file_exists($img['photo'])) {
      unlink($img['photo']);
   }

   mysqli_query($conn, "DELETE FROM candidates WHERE id=$id");
}

/* RESET ELECTION */
if (isset($_POST['reset'])) {
   mysqli_query($conn, "UPDATE candidates SET votes=0");
   mysqli_query($conn, "UPDATE students SET has_voted=0");
   echo "<script>alert('Election reset successful');</script>";
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Admin Dashboard</title>
<style>
body{
```

```css
    margin:0;
    font-family: 'Segoe UI', sans-serif;
    background: linear-gradient(135deg,#1d2671,#c33764);
    min-height:100vh;
}

.container{
    width:90%;
    max-width:1100px;
    margin:30px auto;
    background:#fff;
    padding:30px;
    border-radius:12px;
    box-shadow:0 10px 25px rgba(0,0,0,0.2);
}

h2{
    text-align:center;
    margin-bottom:25px;
    color:#333;
}

.section{
    margin-bottom:40px;
}

.section h3{
    margin-bottom:15px;
    color:#444;
}

/* FORM */
.form-grid{
    display:grid;
    grid-template-columns: repeat(auto-fit,minmax(200px,1fr));
    gap:15px;
}

input[type="text"], input[type="file"]{
    padding:10px;
    border-radius:6px;
    border:1px solid #ccc;
    width:100%;
}
```

```css
button{
    padding:10px 18px;
    border:none;
    border-radius:6px;
    cursor:pointer;
    font-weight:600;
}

.btn-add{
    background:#1d72f3;
    color:#fff;
}

.btn-delete{
    background:#e74c3c;
    color:#fff;
    text-decoration:none;
    padding:6px 12px;
    border-radius:4px;
}

.btn-reset{
    background:#c0392b;
    color:white;
    padding:12px 20px;
}

/* TABLE */
table{
    width:100%;
    border-collapse:collapse;
}

th,td{
    padding:12px;
    text-align:center;
}

th{
    background:#f4f6f8;
}

tr:nth-child(even){
    background:#fafafa;
}
```

```css
img{
    border-radius:6px;
}

/* TOP BAR */
.top-bar{
    display:flex;
    justify-content:space-between;
    align-items:center;
    margin-bottom:20px;
}

.logout{
    text-decoration:none;
    background:#555;
    color:#fff;
    padding:8px 14px;
    border-radius:6px;
}
</style>
</head>
<body>

<div class="container">

<div class="top-bar">
    <h2>🗳 Admin Dashboard</h2>
    <a class="logout" href="index.php">Logout</a>
</div>

<!-- ADD CANDIDATE -->
<div class="section">
<h3>Add Candidate</h3>
<form method="POST" enctype="multipart/form-data">
    <div class="form-grid">
        <input type="text" name="name" placeholder="Candidate Name" required>
        <input type="text" name="dept" placeholder="Department" required>
        <input type="file" name="photo" required>
    </div>
    <br>
    <button class="btn-add" name="add">Add Candidate</button>
</form>
</div>
```

```
<!-- CANDIDATE LIST -->
<div class="section">
<h3>Candidate List</h3>
<table>
<tr>
   <th>Photo</th>
   <th>Name</th>
   <th>Department</th>
   <th>Votes</th>
   <th>Action</th>
</tr>

<?php
$res = mysqli_query($conn, "SELECT * FROM candidates");
while ($r = mysqli_fetch_assoc($res)) {
?>
<tr>
   <td><img src="<?php echo $r['photo']; ?>" width="60"></td>
   <td><?php echo $r['name']; ?></td>
   <td><?php echo $r['department']; ?></td>
   <td><?php echo $r['votes']; ?></td>
   <td>
      <a class="btn-delete" href="?delete=<?php echo $r['id']; ?>"
        onclick="return confirm('Delete this candidate?')">
        Delete
      </a>
   </td>
</tr>
<?php } ?>
</table>
</div>

<!-- RESET -->
<div class="section" style="text-align:center;">
<h3>Reset Election</h3>
<form method="POST">
   <button class="btn-reset" name="reset"
   onclick="return confirm('Are you sure? This will reset all votes!')">
      Reset Election
   </button>
</form>
</div>

</div>
```

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

2.admin.php

```php
<?php include 'db.php'; ?>
<!DOCTYPE html>
<html>
<head>
  <title>Admin Login</title>
  <link rel="stylesheet" href="css/style.css">
</head>
<body>

<div class="container">
  <h1>🔐 Admin Panel</h1>

  <form method="POST">
    <input type="text" name="username" placeholder="Username" required>
    <input type="password" name="password" placeholder="Password" required>
    <button name="login">Login</button>
  </form>

  <a href="index.php">← Back to Student Login</a>

  <?php
  if (isset($_POST['login'])) {
    $u = $_POST['username'];
    $p = $_POST['password'];

    $q = mysqli_query($conn,
      "SELECT * FROM admin WHERE username='$u' AND password='$p'"
    );

    if (mysqli_num_rows($q) == 1) {
      $_SESSION['admin'] = $u;
      header("Location: admin_dashboard.php");
    } else {
      echo "<p class='error'>Invalid admin login</p>";
    }
  }
  ?>

</div>
```

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

3.db.php

```php
<?php
if (session_status() === PHP_SESSION_NONE) {
    session_start();
}

$conn = mysqli_connect("localhost", "root", "", "online_voting");

if (!$conn) {
    die("Database connection failed: " . mysqli_connect_error());
}
?>
```

4.index.php
```php
<?php
session_start();
include "db.php";
?>
<!DOCTYPE html>
<html>
<head>
    <title>College Online Voting</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>

<div class="container">
    <h1>🎓 College Election</h1>
    <h2>Student Login</h2>

    <form method="POST">
        <input type="text" name="reg" placeholder="Register Number" required>
        <input type="password" name="pass" placeholder="Password" required>
        <button type="submit" name="login">Login</button>
    </form>

    <a href="register.php">New Voter? Register Here</a><br>
    <a href="admin.php">Admin Login</a>

<?php
```

```php
if(isset($_POST['login'])){
  $reg  = $_POST['reg'];
  $pass = $_POST['pass'];

  $q = mysqli_query($conn,
    "SELECT * FROM students WHERE reg_no='$reg' AND password='$pass'"
  );

  if(mysqli_num_rows($q) == 1){
    $row = mysqli_fetch_assoc($q);

    if($row['has_voted'] == 0){
      $_SESSION['student'] = $reg;
      header("Location: vote.php");
      exit();
    } else {
      echo "<p style='color:red'> ✖ You have already voted</p>";
    }
  } else {
    echo "<p style='color:red'> ✖ Invalid Register Number or Password</p>";
  }
}
?>

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

5.register.php
```php
<?php include "db.php"; ?>
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/style.css">
</head>
<body>

<h2>New Voter Registration</h2>

<form method="POST">
 <input name="reg" placeholder="Register Number" required><br>
 <input name="pass" type="password" placeholder="Password" required><br>
 <button name="register">Register</button>
</form>
```

```php
<?php
if(isset($_POST['register'])){
 $reg=$_POST['reg'];
 $pass=$_POST['pass'];

 $check=mysqli_query($conn,"SELECT * FROM students WHERE reg_no='$reg'");
 if(mysqli_num_rows($check)>0){
  echo "<p>Register number already exists</p>";
 }else{
  mysqli_query($conn,"INSERT INTO students(reg_no,password) VALUES('$reg','$pass')");
  echo "<p>Registered successfully <a href='index.php'>Login</a></p>";
 }
}
?>

</body>
</html>
```

6.result.php

```php
<?php include "db.php"; ?>
<!DOCTYPE html>
<html>
<head>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
</head>
<body>

<h2>Election Results</h2>
<canvas id="chart"></canvas>

<?php
$q=mysqli_query($conn,"SELECT name,votes FROM candidates");
$names=[]; $votes=[];
while($r=mysqli_fetch_assoc($q)){
 $names[]=$r['name'];
 $votes[]=$r['votes'];
}
?>

<script>
new Chart(document.getElementById("chart"),{
 type:"bar",
 data:{
  labels: <?php echo json_encode($names); ?>,
```

```
  datasets:[{
  label:"Votes",
  data: <?php echo json_encode($votes); ?>,
  backgroundColor:"green"
  }]
 }
});
</script>

</body>
</html>
```

7.vote.php

```php
<?php
session_start();
include "db.php";

/* Check login */
if(!isset($_SESSION['student'])){
    header("Location: index.php");
    exit();
}

$reg = $_SESSION['student'];

/* Check if already voted */
$check = mysqli_query($conn,
    "SELECT has_voted FROM students WHERE reg_no='$reg'"
);
$row = mysqli_fetch_assoc($check);

if($row['has_voted'] == 1){
    echo "<h2>You have already voted</h2>";
    exit();
}

/* Fetch candidates */
$candidates = mysqli_query($conn, "SELECT * FROM candidates");

/* Vote action */
if(isset($_POST['vote'])){
    $cid = $_POST['vote'];
```

```php
    mysqli_query($conn,
        "UPDATE candidates SET votes = votes + 1 WHERE id='$cid'"
    );

    mysqli_query($conn,
        "UPDATE students SET has_voted = 1 WHERE reg_no='$reg'"
    );

    session_destroy();
    echo "<h2>✅ Vote submitted successfully</h2>";
    exit();
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>Cast Your Vote</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>

<div class="container">
    <h1>🗳 Cast Your Vote</h1>

    <form method="POST">
        <div class="candidates-grid">
            <?php
            $candidates = mysqli_query($conn, "SELECT * FROM candidates");
            while($row = mysqli_fetch_assoc($candidates)){
            ?>
                <div class="candidate-card">
                    <img src="<?php echo $row['photo']; ?>" alt="Candidate">
                    <h3><?php echo $row['name']; ?></h3>
                    <p><?php echo $row['department']; ?></p>
                    <button name="vote" value="<?php echo $row['id']; ?>">
                        Vote
                    </button>
                </div>
            <?php } ?>
        </div>
    </form>
</div>
</body>
```

</html>

8.database.sql

```sql
CREATE DATABASE online_voting;
USE online_voting;

CREATE TABLE students (
 id INT AUTO_INCREMENT PRIMARY KEY,
 reg_no VARCHAR(20) UNIQUE,
 password VARCHAR(50),
 has_voted INT DEFAULT 0
);

CREATE TABLE candidates (
 id INT AUTO_INCREMENT PRIMARY KEY,
 name VARCHAR(100),
 department VARCHAR(50),
 photo VARCHAR(255),
 votes INT DEFAULT 0
);

CREATE TABLE admin (
 id INT AUTO_INCREMENT PRIMARY KEY,
 username VARCHAR(50),
 password VARCHAR(50)
);

INSERT INTO admin VALUES (1,'admin','admin123');
```