A. P. Shah Institute of Technology

Online Polling Website

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Outline of Presentation

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ABSTRACT

Everyone has their opinion on any topic.

Polls are the perfect way to express your opinion or collect opinions in a collective manner without any ambiguity.

This website aims to create a portal for users to create their own polls in order to collect opions from the masses or vote on a any available poll.

INTRODUCTION

Polling,is defined as voting to make decisions or determine opinions.

There are several ways to express or gather opinions: surveys, votings, discussion, comments, etc..

Polling is one of them and it is a completely objective.
User anonamity can be easily maintained if user wants to.
This presentation aims to present our website's main purpose and how it can be useful.

PROBLEM STATEMENT

To create a website for users to cast their vote on various topics and/or create their own poll for gathering popular popular opinioins.

PROPOSED SYSTEM

User can have acess to website contents by creating a user account .

After creating said account he/she will be provided with list of available polls and can also create his/her own.

Results are displayed after voting.

IMPLEMENTATION / TECHNOLOGIES USED

Technologies used:

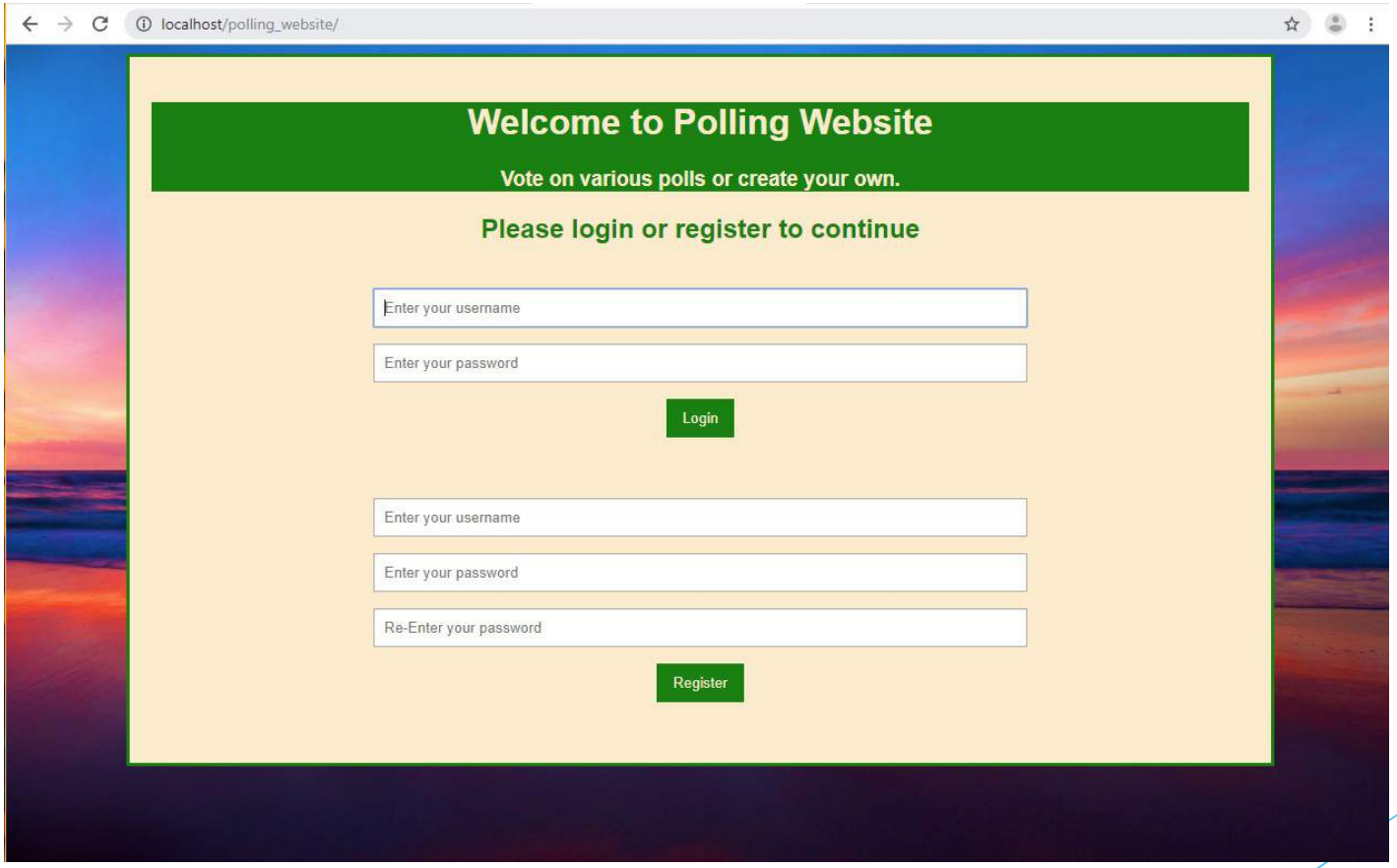
Front End - HTML/CSS/JS

Server Side - PHP

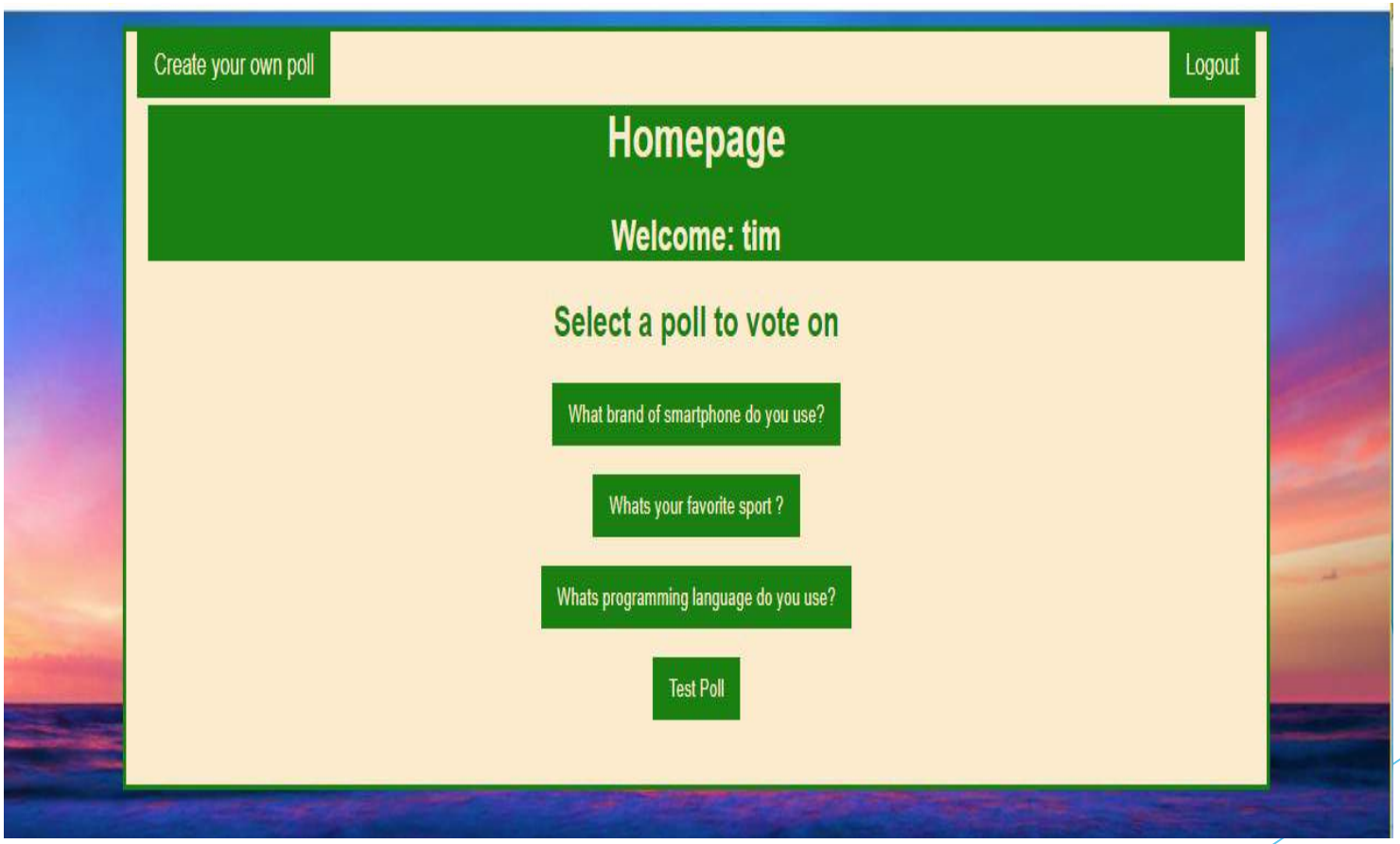
Back-End – XAMP/PHPMyadmin

Server - Apache Tomcat Localhost

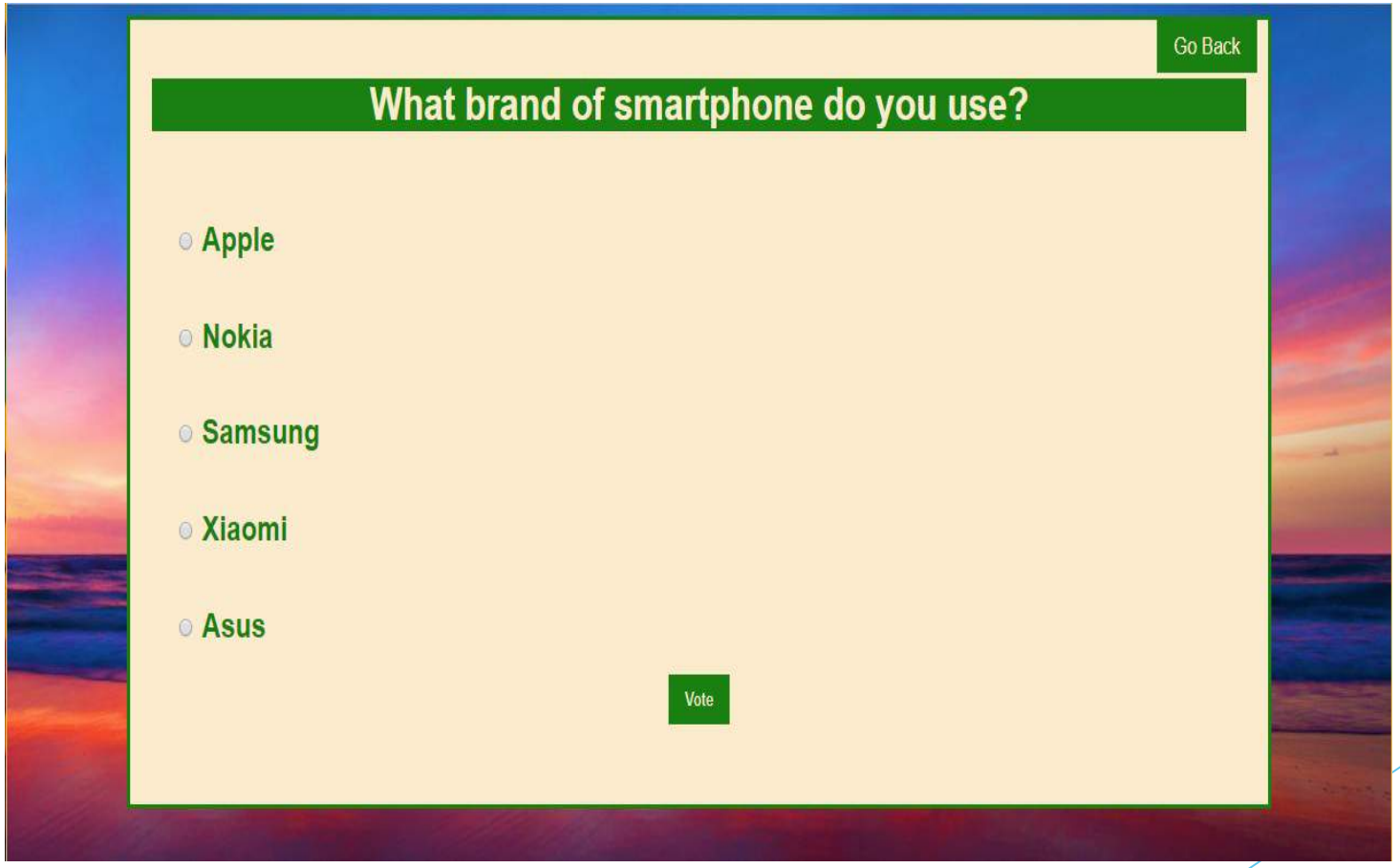
Index Page


localhost/polling_website/
Welcome to Polling Website
Vote on various polls or create your own.
Please login or register to continue
Enter your username
Enter your password
Login
Enter your username
Enter your password
Re-Enter your password
Register

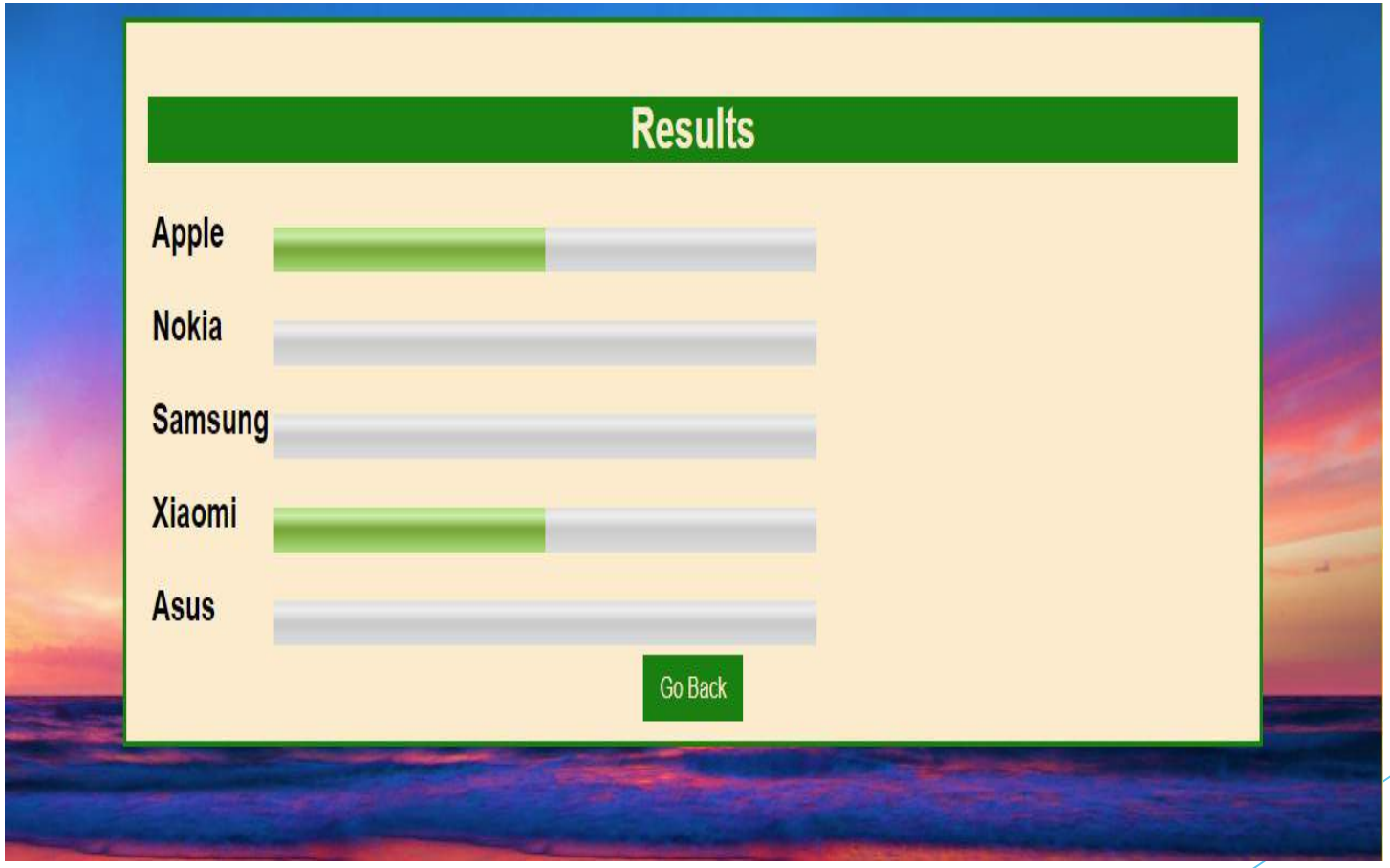
Homepage


Create your own poll
Logout
Homepage
Welcome: tim
Select a poll to vote on
What brand of smartphone do you use?
Whats your favorite sport ?
Whats programming language do you use?
Test Poll

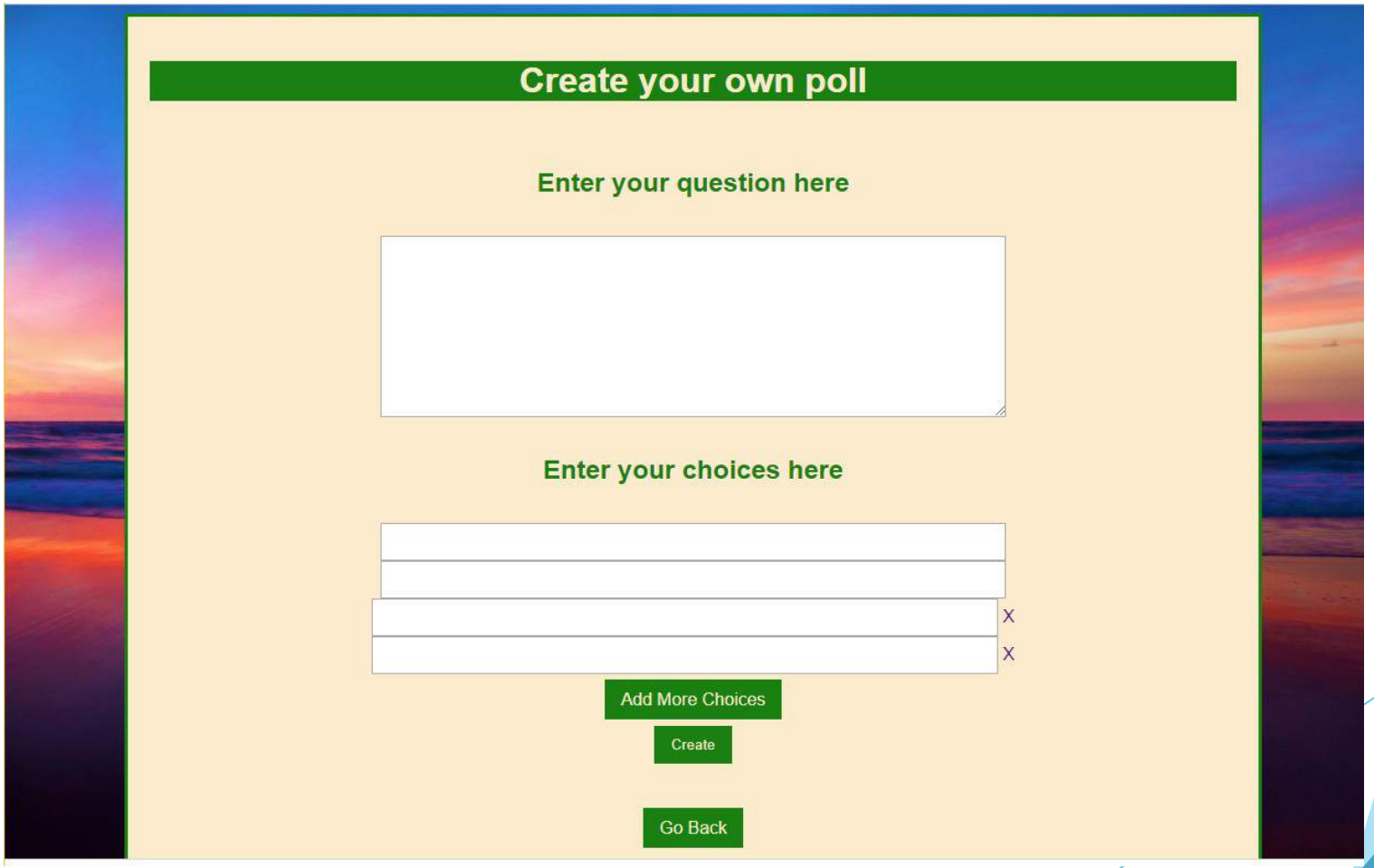
Poll page


Go Back
What brand of smartphone do you use?
Apple
Nokia
Samsung
Xiaomi
Asus
Vote

Result page



Poll Creator



Config.php

```php
<?php

    //creating a session
    session_start();

    //creating database
    $db = new PDO("mysql:host=localhost", "root", "");
    $sql = "CREATE DATABASE IF NOT EXISTS poll";
    $db->exec($sql);
    $db = new PDO("mysql:host=localhost;dbname=poll","root","");

    //creating tables
    $sql = "CREATE TABLE IF NOT EXISTS users(…
    $db->exec($sql);

    $sql1 = "CREATE TABLE IF NOT EXISTS  polls(…
    $db->exec($sql1);

    $sql2 = "CREATE TABLE IF NOT EXISTS  polls_choices(…
    $db->exec($sql2);

    $sql3 = "CREATE TABLE IF NOT EXISTS  polls_answers(…
    $db->exec($sql3);
?>
```

Index.html

```
</head>
<body>
    <div class="content">

        <div class="header">
            <h1>Welcome to Polling Website</h1>
            <h3>Vote on various polls or create your own.</h3>
        </div>

        <h2>Please login or register to continue</h2>
        <div class="myform">
            <form action="login.php" method="post">
                <div class="form-group"><input type="text" placeholder="Enter your username" name="username" required></div>
                <div class="form-group"><input type="password" placeholder="Enter your password" name="password" required></div>
                <div class="form-group"><button class="button" type="submit">Login</button></div>
            </form>
        </div>

        <div class="myform">
            <form onsubmit="return validation()" name="f" action="register.php" method="post">
                <div class="form-group"><input type="text" placeholder="Enter your username" name="username" required></div>
                <div class="form-group"><input type="password" placeholder="Enter your password" name="password" required></div>
                <div class="form-group"><input type="password" placeholder="Re-Enter your password" name="rpassword" required></div>
                <div class="form-group"><button class="button" type="submit">Register</button></div>
            </form>
        </div>

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

Login.php

```php
<?php

    require_once 'config.php';

    //importing variables from form
    $u=$_POST['username'];
    $p=$_POST['password'];

    //checking user credentials in db
    $no=$db->query("SELECT username FROM users WHERE username='$u' AND password='$p'");
    $count=$no->rowCount();
    if($count>0)
    {
        $_SESSION['username']=$u;
        header("Location:dashboard.php");
    }
    else
    {
        echo "<h2>Invalid username or password please try again</h2>";
        echo "<a class='button' href='index.html'>Go Back</a>";
    }
?>
<html>
    <head>
        <title>Create</title>
        <link rel="stylesheet" href="style.css">
    </head>
</html>
```

Regiter.php

```php
<?php
    require_once 'config.php';
    $u=$_POST['username'];
    $p=$_POST['password'];

    //checking if usernamealready exists  or not
    $no=$db->query("SELECT username FROM users WHERE username='$u'");
    $count=$no->rowCount();
    if($count>0)
    {
      echo "<h2>User already exists, please try again or login</h2>";
      echo "<a href='index.php'>Go Back</a>";
    }
    else
    {
      //inserting user values to the database
      $db->exec("INSERT INTO users VaLUES ('$u','$p')");
      $_SESSION['username']=$u;
      header("Location:dashboard.php");
    }
?>
<html>
    <head>
        <title>Create</title>
        <link rel="stylesheet" href="style.css">
    </head>
</html>
```

poll.php (part i)

```php
<?php
    require_once 'config.php';

    $id=$_POST['poll'];

    //select poll
    $sql=$db->query("SELECT id,question FROM polls WHERE id=$id");
    $poll=$sql->fetchObject();

    //fetch choices of the poll
    $sql=$db->query("SELECT polls.id,polls_choices.id
    AS choice_id,polls_choices.name
    FROM polls
    JOIN polls_choices
    ON polls.id=polls_choices.poll
    WHERE polls.id=$id");

    while($row=$sql->fetchObject())
    {
        $choices[]=$row;
    }
?>

<html>
<head>
    <title>Welcome</title>
    <link rel="stylesheet" href="style.css">
    <script>
        function validate()
        {
            var choice=document.forms[0];
            var i;
            for(i=0;i<choice.length;i++)
            {
                if(choice[i].checked)
                {
                    return true;
                }
            }
            alert("Please select a choice");
            return false;
        }
    </script>
</head>
<body>
    <div class="content">
        <div class="logout"><a class="button" href='dashboard.php'>Go Back</a></div>
        <div class="header"><h1><?php echo $poll->question;?></h1></div>
        <form onsubmit="return validate()" class="myform" action="vote.php" method="post">
            <?php foreach($choices as $index -> $choice):?>
```

poll.php(part ii)

```
<html>
<head>
    <title>Welcome</title>
    <link rel="stylesheet" href="style.css">
    <script>
        function validate()
        {
            var choice=document.forms[0];
            var i;
            for(i=0;i<choice.length;i++)
            {
                if(choice[i].checked)
                {
                    return true;
                }
            }
            alert("Please select a choice");
            return false;
        }
    </script>
</head>
<body>
    <div class="content">
        <div class="logout"><a class="button" href='dashboard.php'>Go Back</a></div>
        <div class="header"><h1><?php echo $poll->question;?></h1></div>
        <form onsubmit="return validate()" class="myform" action="vote.php" method="post">
            <?php foreach($choices as $index => $choice):?>
            <div class="radiolist">
            <input type="radio" name="choice" value="<?php echo $choice->choice_id?>" id="c<?php echo $index;?>">
            <label for="c<?php echo $index;?>"><h2><?php echo $choice->name?></h2></label>
            </div>
            <?php endforeach;?>
            <button class="button" name="poll" type="submit" value="<?php echo $id;?>">Vote</button>
        </form>
    </div>
</body>
</html>
```

create.html

```
<html>
    <head>
        <title>Create Poll</title>
        <link rel="stylesheet" href="style.css">
        <script src="jq.js"></script>
        <script>
            $(document).ready(function(e)
            {
                var html='<div><input type="text" name="c[]" id="c" required> <a href="#" id="remove">X</a></div>';

                $("#add").click(function(e)
                {
                    $("#container").append(html);
                });

                $("#container").on('click','#remove',function(e)
                {
                    $(this).parent('div').remove();
                });

            });
        </script>
    </head>
    <body>
        <div class="content">
            <div class="header"><h1>Create your own poll</h1></div>
            <form class="myform" action="create.php" method="post">
                <div class="form-group"><h2>Enter your question here</h2></div>
                <div class="form-group"><textarea name="question" cols="30" rows="10" required></textarea></div>
                <div class="form-group"><h2>Enter your choices here</h2></div>
                <div class="form-group">
                    <input type="text" name="ch1" required>
                    <div id="container"><input type="text" name="c[]" id="c" required></div>
                </div>
                <div class="form-group"><a class="button" href="#" id="add">Add More Choices</a></div>
                <div class="form-group"><button class="button" type="submit" name="create">Create</button></div>
            </form>
            <a class="button" href='dashboard.php'>Go Back</a>
        </div>


    </body>
</html>
```

create.php

```php
<?php
    require_once 'config.php';

    if(isset($_POST['create']))
    {
        $q=$_POST['question'];
        $ch1=$_POST['ch1'];
        $ch2=$_POST['c'];

        $db->exec("INSERT INTO polls (question) VALUES ('$q')");
        $sql=$db->query(" SELECT id FROM polls WHERE question='$q' ");

        $poll=$sql->fetchObject();
        $id=$poll->id;

        $db->exec("INSERT INTO polls_choices (poll,name) VALUES ('$id','$ch1')");

        foreach($ch2 as $ch)
        {
            $db->exec("INSERT INTO polls_choices (poll,name) VALUES ('$id','$ch')");
        }

        echo "<div class='header'><h2>Poll Succesfully created</h2></div>";
        echo "<a class='button' href='dashboard.php'>Go Back</a>";
    }

?>
<html>
<head>
<title>Create</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
    <div class="content"></div>
</body>
</html>
```

Dashboard.php

```php
<?php
    require_once 'config.php';

    //fetching polls from database
    $sql=$db->query("SELECT id,question FROM polls");
    while($row=$sql->fetchObject())
    {
        $polls[]=$row;
    }
?>
<html>
<head>
<title>Welcome</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
    <div class="content">
        <div class="logout"><a class="button" href="index.html">Logout</a></div>
        <div class="pc"><a class="button" href="create.html">Create your own poll</a></div>
        <div class="header">
            <h1>Homepage</h1>
            <h2>Welcome: <?php echo $_SESSION['username'];?></h2>
        </div>
        <h2>Select a poll to vote on </h2>
        <?php foreach($polls as $poll): ?>
        <form action="poll.php" method="post">
        <button class="button" name ="poll" type="submit" value=<?php echo $poll->id;?>><?php echo $poll->question;?></button>
        </form>
        <?php endforeach;?>
    </div>
</body>
</html>
```

Vote.php

```php
<?php
    require_once 'config.php';
    if(!isset($_POST['choice']))
    {
        echo "<script type='text/javascript'>alert('Please Enter a choice');</script>";
    }
    else
    {
        $user=$_SESSION['username'];
        $choice=$_POST['choice'];
        $poll=$_POST['poll'];

        //checking if user voted on this poll
        $q=$db->query("SELECT id FROM polls_answers WHERE user='$user' AND poll='$poll'");
        $count=$q->rowCount();
        if($count>0)
        {
            echo "<div class='header'><h2>You have already voted on this poll<h2></div>";
        }
        else
        {
            //inserting votes
            $sql="INSERT INTO polls_answers (user,poll,choice) VALUES ('$user','$poll','$choice')";
            $db->exec($sql);
            echo "<div class='header'><h2>Thank you for Voting<h2></div>";
        }
    }

?>

<html>
    <head>
        <title>Vote</title>
        <link rel="stylesheet" href="style.css">
    </head>
    <body>
        <form action="result.php" method="post">
            <button class="button" name="poll" value= "<?php echo $poll;?>" type="submit" >View Results</button>
        </form>
    </body>
</html>
```

Result.php

```php
<?php
    require_once 'config.php';

    $id=$_POST['poll'];
    //select poll
    $sql=$db->query("SELECT id,question FROM polls WHERE id=$id");
    $poll=$sql->fetchObject();

     //fetch choices of the poll
    $sql=$db->query("SELECT polls.id,polls_choices.id
    AS choice_id,polls_choices.name
    FROM polls
    JOIN polls_choices
    ON polls.id=polls_choices.poll
    WHERE polls.id=$id");

    while($row=$sql->fetchObject())
    {
        $choices[]=$row;
    }
?>

<html>
    <head>
        <title>Results</title>
        <link rel="stylesheet" href="style.css">
    </head>
    <body>
        <div class="content">
            <div class="header"><h1>Results</h1></div>
            <table>
                <?php foreach($choices as $choice):?>
                    <?php
                    $sql="SELECT id FROM polls_answers WHERE poll=$id";
                    $no=$db->query($sql);
                    $tot=$no->rowCount();
                    $sql="SELECT id FROM polls_answers WHERE poll=$id AND choice=$choice->choice_id";
                    $no=$db->query($sql);
                    $vot=$no->rowCount();
                    if($vot==0)
                    {
                        $vot=1;
                        $tot=0;
                    }
                    ?>
                    <tr>
                        <td><h2><?php echo $choice->name;?></h2></td>
                        <td><meter value="<?php echo ($vot/$tot); ?>"></meter></td>
                    </tr>
                <?php endforeach;?>
```

Style.css

```css
body
{
    font-family: Arial, Helvetica, sans-serif;
    background: url('img.jpg') no-repeat center center fixed;
    -webkit-background-size: cover;
    -moz-background-size: cover;
    -o-background-size: cover;
    background-size: cover;
}
a
{
    text-decoration: none;
}
.header
{
    background-color: green;
    text-align: center;
    color: blanchedalmond;
}

.content
{
    text-align: center;
    background-color: blanchedalmond;
    color: green;
    width: 80%;
    margin: auto;
    border: 3px solid green;
    padding: 20px;
    position: relative;
}
.content .logout
{
    position: absolute;
    top: 10px;
    right: 10px;
}

.content .pc
{
    position: absolute;
    top: 10px;
    left: 10px;
}
.content meter
{
    width: 500px;
    height: 25px;
}
```

```css
.button
{
    background-color: green;
    color: blanchedalmond;
    padding: 10px 15px;
    border: none;
}

.button :hover
{
    background-color: blue;
}

.myform
{
    padding: 20px;
}

.myform .form-group
{
padding-bottom: 15px;
}

.myform input[type="text"],.myform input[type="password"],.myform textarea
{
    padding: 8px;
    width: 60%;
}

.myform .radiolist
{
    text-align: left;
}

.myform label
{
    display: inline-block;
}
```

CONCLUSION

Thus, we have successfully implemented a polling website capable of retrieving user opinions on various topics or providing a platform for users to create their own polls

QUESTIONS ?

THANK YOU!