Date	09 November 2022
TeamID	PNT202022TMID23857
ProjectName	Efficient Water Quality Analysis and Prediction Using Machine Learning
MaximumMarks	8Marks

INDEX.PHP

```php
<?php session_start();
  if (isset($_SESSION['SESSION_EMAIL'])) {
    header("Location: welcome.php"); die();
  }

  include 'config.php';
  $msg = "";

  if (isset($_GET['verification'])) {
    if (mysqli_num_rows(mysqli_query($conn,    "SELECT    *    FROM    users    WHERE
  code='{$_GET['verification']}'")) > 0) {
      $query    =    mysqli_query($conn,    "UPDATE    users    SET    code=''    WHERE
  code='{$_GET['verification']}'");
if ($query) {
                  $msg = "<div class='alert alert-success'>Account verification has been successfully
  completed.</div>";
      }
    } else {
      header("Location: index.php");
    }
  }

  if (isset($_POST['submit'])) {
    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $password = mysqli_real_escape_string($conn, md5($_POST['password']));

    $sql = "SELECT * FROM users WHERE email='{$email}' AND password='{$password}'";
    $result = mysqli_query($conn, $sql);

     if (mysqli_num_rows($result) === 1) {
       $row = mysqli_fetch_assoc($result);
```

```php
        if (empty($row['code'])) {
            $_SESSION['SESSION_EMAIL'] = $email;
            header("Location: welcome.php");
        } else {
            $msg = "<div class='alert alert-info'>First verify your account and try again.</div>";
        }
    } else {
        $msg = "<div class='alert alert-danger'>Email or password do not match.</div>";
    }
  }
?>
```

```html
<!DOCTYPE html>
<html lang="zxx">

<head>
  <title>Water Quality Analysis</title>
  <!-- Meta tag Keywords -->
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta charset="UTF-8" />
  <meta name="keywords" content="Login
    Form" />
  <!-- //Meta tag Keywords -->

  <link  href="//fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap"
rel="stylesheet">

  <!--/Style-CSS -->
  <link rel="stylesheet" href="css/style.css" type="text/css" media="all" /> <!--//StyleCSS -->

  <script src="https://kit.fontawesome.com/af562a2a63.js" crossorigin="anonymous"></script>

</head>

<body>

  <!-- form section start -->
  <section class="w3l-mockup-form">
    <div class="container">
      <!-- /form -->
      <div class="workinghny-form-grid">
        <div class="main-mockup">
          <div class="alert-close">
            <span class="fa fa-close"></span>
          </div>
          <div class="w3l_form align-self">
            <div class="left_grid_info">
              <img src="login1.jpeg" alt="">
            </div>
          </div>
```

```html
            <div class="content-wthree">
              <h2>Login Now</h2>


              <?php echo $msg; ?>
              <form action="" method="post">
<input type="email" class="email" name="email" placeholder="Enter Your Email" required>
                  <input type="password" class="password" name="password" placeholder="Enter
    Your Password" style="margin-bottom: 2px;" required>
                  <p><a href="forgot-password.php" style="margin-bottom: 15px; display: block; text-
    align: right;">Forgot Password?</a></p>
                  <button name="submit" name="submit" class="btn" type="submit">Login</button>
              </form>
              <div class="social-icons">
                <p>Create   Account!   <a   href="register.php">Register</a>.</p>
              </div>
            </div>
          </div>
        </div>
        <!-- //form -->
      </div>
    </section>
    <!-- //form section start -->

    <script src="js/jquery.min.js"></script>
    <script>
      $(document).ready(function (c) {
        $('.alert-close').on('click', function (c) {
          $('.main-mockup').fadeOut('slow', function (c) {
            $('.main-mockup').remove();
          });
        });
      });
    </script>

  </body>

</html>
```

REGISTER.PHP

```php
  <?php

    //Import PHPMailer classes into the global namespace
    //These must be at the top of your script, not inside a function

    use        PHPMailer\PHPMailer\PHPMailer;        use
```

```php
PHPMailer\PHPMailer\SMTP;

use PHPMailer\PHPMailer\Exception;


session_start();                        if
(isset($_SESSION['SESSION_EMAIL'])) {  header("Location:
    welcome.php");

    die();
}


//Load Composer's autoloader require
'vendor/autoload.php';


include 'config.php';
$msg = "";


if (isset($_POST['submit'])) {
    $name = mysqli_real_escape_string($conn, $_POST['name']);

    $email = mysqli_real_escape_string($conn, $_POST['email']);

    $password = mysqli_real_escape_string($conn, md5($_POST['password']));

    $confirm_password = mysqli_real_escape_string($conn, md5($_POST['confirm-password']));

    $code = mysqli_real_escape_string($conn, md5(rand()));


    if (mysqli_num_rows(mysqli_query($conn, "SELECT * FROM users WHERE email='{$email}'")) >
    0)
{
        $msg = "<div class='alert alert-danger'>{$email} - This email address has been already
exists.</div>";

    } else {

        if ($password === $confirm_password) {

            $sql = "INSERT INTO users (name, email, password, code) VALUES ('{$name}', '{$email}',
'{$password}', '{$code}')";

            $result = mysqli_query($conn, $sql);

            if ($result) {
                echo "<div style='display: none;'>";

                //Create an instance; passing `true` enables exceptions
```

```php
$mail = new PHPMailer(true);

try {

  //Server settings

$mail->SMTPDebug = SMTP::DEBUG_SERVER;  //Enable verbose debug  output

  $mail->isSMTP();                          //Send using SMTP
  $mail->Host      = 'smtp.gmail.com';                //Set the SMTP server to send through

   $mail->SMTPAuth = true;                  //Enable SMTP authentication

  $mail->Username = 'waterqualityanalysis@gmail.com

';          //SMTP username

   $mail->Password = 'ibyuldmiuuxgvflj';                       //SMTP password

$mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS;  //Enable implicit TLS  encryption

  $mail->Port  = 465; //TCP port to connect to; use 587 if you have   set `SMTPSecure =
  PHPMailer::ENCRYPTION_STARTTLS`

  //Recipients

  $mail->setFrom('waterqualityanalysis12@gmail.com');

  $mail->addAddress($email);

  //Content

  $mail->isHTML(true);                   //Set email format to HTML

  $mail->Subject = 'water quality register form';

  $mail->Body = ' click here to login <b><a
href="http://localhost/login/?verification='.$code.'">
http://localhost/login/?verification='.$code.'</a></b>';

  $mail->send(); echo 'Message has

  been sent';

} catch (Exception $e) { echo "Message could not be sent. Mailer

  Error: {$mail->ErrorInfo}";
}
echo "</div>";

$msg = "<div class='alert alert-info'>We've send a verification link on your email
```

address.</div>";

```
            } else {

                $msg = "<div class='alert alert-danger'>Something wrong went.</div>";

            }

        } else {

            $msg = "<div class='alert alert-danger'>Password and Confirm Password do not
match</div>";

        }
    }


    }
?>
```

```html
<!DOCTYPE html>
<html lang="zxx">


<head>
    <title>Water Quality Analysis</title>
    <!-- Meta tag Keywords -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="UTF-8" />
    <meta name="keywords"  content="Login
        Form" />
    <!-- //Meta tag Keywords -->


    <link  href="//fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap"
rel="stylesheet">


    <!--/Style-CSS -->
    <link rel="stylesheet" href="css/style.css" type="text/css" media="all" />
    <!--//Style-CSS -->


    <script src="https://kit.fontawesome.com/af562a2a63.js" crossorigin="anonymous"></script>
```

```html
</head>

<body>

    <!-- form section start -->
    <section class="w3l-mockup-form">
        <div class="container">
            <!-- /form -->
            <div class="workinghny-form-grid">
                <div class="main-mockup">
                    <div class="alert-close">
                        <span class="fa fa-close"></span>
                    </div>
                    <div class="w3l_form align-self">
                        <div class="left_grid_info">
                            <img src="reg1.jpeg" alt="">
                        </div>
                    </div>
                    <div class="content-wthree">
                        <h2>Register Now</h2>


                        <?php echo $msg; ?>
                        <form action="" method="post">

                            <input type="text" class="name" name="name" placeholder="Enter Your Name" value="<?php if (isset($_POST['submit'])) { echo $name; } ?>" required>

                            <input type="email" class="email" name="email" placeholder="Enter Your Email" value="<?php if (isset($_POST['submit'])) { echo $email; } ?>" required>

                            <input type="password" class="password" name="password" placeholder="Enter Your Password" required>

                            <input type="password" class="confirm-password" name="confirm-password" placeholder="Enter Your Confirm Password" required>

                            <button name="submit" class="btn" type="submit">Register</button>

                        </form>
                        <div class="social-icons">

                            <p>Have an account! <a href="index.php">Login</a>.</p>
```

```html
                </div>

              </div>

            </div>

          </div>

          <!-- //form -->

        </div>

      </section>

      <!-- //form section start -->
      <script src="js/jquery.min.js"></script>

      <script>

        $(document).ready(function (c) {

          $('.alert-close').on('click', function (c) {

            $('.main-mockup').fadeOut('slow', function (c) {

              $('.main-mockup').remove();

            });

          });

        });

      </script>


    </body>


</html>
```

WELCOME.PHP

```php
<?php
  session_start();                              if
  (!isset($_SESSION['SESSION_EMAIL'])) {  header("Location:
    index.php");
    die();

  }


  include 'config.php';


  $query    =    mysqli_query($conn,    "SELECT        *      FROM   users   WHERE
email='{$_SESSION['SESSION_EMAIL']}'");
```

```php
    if (mysqli_num_rows($query) > 0) {

        $row = mysqli_fetch_assoc($query);


        echo "Welcome " . $row['name'] . " <a href='logout.php'>Logout</a>";

    }
?>
```

FORGET PWD.PHP

```php
<?php


session_start();

if (isset($_SESSION['SESSION_EMAIL'])) {

    header("Location: welcome.php");

    die();

}


//Import PHPMailer classes into the global namespace

//These must be at the top of your script, not inside a function

use          PHPMailer\PHPMailer\PHPMailer;          use

PHPMailer\PHPMailer\SMTP;

use PHPMailer\PHPMailer\Exception;


//Load Composer's autoloader require

'vendor/autoload.php';


include 'config.php';

$msg = "";


if (isset($_POST['submit'])) {

    $email = mysqli_real_escape_string($conn, $_POST['email']);
    $code = mysqli_real_escape_string($conn, md5(rand()));
```

```php
if (mysqli_num_rows(mysqli_query($conn, "SELECT * FROM users WHERE email='{$email}'")) > 0) {

    $query = mysqli_query($conn, "UPDATE users SET code='{$code}' WHERE email='{$email}'");

if ($query) { echo "<div style='display:
    none;'>";

      //Create an instance; passing `true` enables exceptions

      $mail = new PHPMailer(true);  try
      {

        //Server settings

        $mail->SMTPDebug = SMTP::DEBUG_SERVER;              //Enable verbose debug output

        $mail->isSMTP();                          //Send using SMTP

        $mail->Host  = 'smtp.gmail.com';             //Set the SMTP server to send through $mail-

        >SMTPAuth = true;  //Enable SMTP authentication

        $mail->Username = 'waterqualityanalysis12@gmail.com';          //SMTP username

        $mail->Password = ' ibyuldmiuuxgvflj ';                  //SMTP password

        $mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS; //Enable implicit TLS encryption

        $mail->Port  = 465;  //TCP port to connect to; use 587 if you have set `SMTPSecure =
    PHPMailer::ENCRYPTION_STARTTLS`


        //Recipients

        $mail->setFrom('waterqualityanalysis12@gmail.com');

        $mail->addAddress($email);


        //Content

        $mail->isHTML(true);                       //Set email format to HTML

        $mail->Subject = 'waterqualityanalysis reset password';

        $mail->Body = 'reset link <b><a href="http://localhost/login/change-
    password.php?reset='.$code.'">http://localhost/login/change-
    password.php?reset='.$code.'</a></b>';


        $mail->send(); echo 'Message has

        been sent';

      } catch (Exception $e) { echo "Message could not be sent. Mailer

        Error: {$mail->ErrorInfo}";
      }
      echo "</div>";
```

```php
        $msg = "<div class='alert alert-info'>We've send a verification link on your email address.</div>";
    }
  } else {
    $msg = "<div class='alert alert-danger'>$email - This email address do not found.</div>";
  }
}


?>
```

```html
<!DOCTYPE html>
<html lang="zxx">


<head>
  <title>Water Quality Analysis</title>
  <!-- Meta tag Keywords -->
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta charset="UTF-8" />
  <meta name="keywords"  content="Login
     Form" />
  <!-- //Meta tag Keywords -->


  <link  href="//fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap" rel="stylesheet">


  <!--/Style-CSS -->
  <link rel="stylesheet" href="css/style.css" type="text/css" media="all" />
  <!--//Style-CSS -->


  <script src="https://kit.fontawesome.com/af562a2a63.js" crossorigin="anonymous"></script>


</head>

<body>
```

```html
<!-- form section start -->
<section class="w3l-mockup-form">
  <div class="container">

    <!-- /form -->
    <div class="workinghny-form-grid">
      <div class="main-mockup">

        <div class="alert-close">

          <span class="fa fa-close"></span>

        </div>

        <div class="w3l_form align-self">

          <div class="left_grid_info">

            <img src="fog1.jpeg" alt="">

          </div>

        </div>

        <div class="content-wthree">

          <h2>Forgot Password</h2>


          <?php echo $msg; ?>

          <form action="" method="post">


            <input type="email" class="email" name="email" placeholder="Enter Your Email"
required>


            <button name="submit" class="btn" type="submit">Send Reset Link</button>

          </form>

          <div class="social-icons">

            <p>Back to! <a href="index.php">Login</a>.</p>

          </div>

        </div>

      </div>

    </div>

    <!-- //form -->
  </div>

</section>
```

```html
<!-- //form section start -->


<script src="js/jquery.min.js"></script>
<script>
  $(document).ready(function (c) {
    $('.alert-close').on('click', function (c) {
      $('.main-mockup').fadeOut('slow', function (c) {
        $('.main-mockup').remove();

      });

});

  });
</script>


</body>


</html>
```

LOGOUT.PHP

```php
<?php


session_start();

session_unset();

session_destroy();



header("Location: index.php");
```

STYLE.CSS html   {
      scroll-behavior:
smooth;
}

body, html { margin: 0; padding:

0; fontfamily: 'Poppins', sans-serif;

```css
}
* {
  box-sizing: border-box;
}

.d-grid { display: grid;
}

.d-flex {
  display: flex;
  display: -webkit-flex;
}
.text-center    {    text-
  align: center;
}
.text-left    {    text-
  align: left;
}
.text-right    {    text-
  align: right;
}

button, input,
select
{
  -webkit-appearance:    none;    outline:
  none; font-family:
  'Poppins', sans-serif;
}
button,
.btn, select
```

```css
    { cursor:

    pointer;



    }
a {

    text-decoration: none;

    }

    img {

    max-width: 100%;

    }
ul {

    margin: 0; padding:

    0

    }

    h1, h2,

    h3, h4,

    h5, h6,

    p {

    margin: 0; padding:

    0

    }
p {

    color: #666; fontsize:

    16px; lineheight:

        25px;

    opacity: .6;

    }
    .p-relative            {

    position: relative;

    }


    .p-absolute            {

    position: absolute;

    }
```

```css
.p-fixed {

   position: fixed;

}


.p-sticky { position: sticky;

}


.btn,

button, .actionbg,

input { borderradius:

4px;

   -webkit-border-radius: 4px;

   -moz-border-radius: 4px;

   -o-border-radius: 4px;

   -ms-border-radius: 4px;

}


.btn:hover,

button:hover          {

transition: 0.5s ease;

   -webkit-transition: 0.5s ease;

   -o-transition: 0.5s ease;

   -ms-transition: 0.5s ease;

   -moz-transition: 0.5s ease;
}

/*-- wrapper start --*/
.wrapper    {    width:

   100%;       padding-
   right:          15px;

   padding-left:  15px;

   margin-right:  auto;

   margin-left: auto;

}
```

```css
@media (min-width: 576px) {

  .wrapper    {    max-

    width: 540px;

  }

}

@media (min-width: 768px) {

  .wrapper    {    max-

    width: 720px;

  }

}

@media (min-width: 992px) {

  .wrapper    {    max-

    width: 960px;

  }

}

@media (min-width: 1200px) {

  .wrapper    {    max-

    width: 1140px;

  }

}

.wrapper-full { width:

  100%;      paddingright:

    15px;

  padding-left:  15px;

  margin-right:  auto;

  margin-left: auto;

}


/*-- //wrapper start --*/


/*-- form styling --*/
```

```css
.w3l-mockup-form {   position:
    relative; min-height:
    100vh;    z-index: 0;  background:
    rgba(99,
    194, 110, 0.1); padding: 40px 40px;
}


.container    {
        maxwidth:
        890px;
    margin: 0 auto;
}


.w3l_form   {   padding:   0px;
    flexbasis:   50%;   -webkit-flex-
    basis:    50%;     background:
    #03cafc; padding: 100px 50px;
    bordertop-left-radius:      8px;
    border-
    bottom-left-radius:       8px;
    display: flex;  justify-content:
    center;
    align-items: center;

}


.content-wthree { flex-basis: 60%; -webkit-flexbasis:
    60%; box-sizing: border-box; padding: 3em 3.5em;
    background: #fff; box-shadow: 2px 9px 49px -17px
    rgba(0,  0,  0,  0.1);  border-top-rightradius:  8px;
    border-bottom-right-radius: 8px;
}
```

```css
.w3l-workinghny-form .logo { text-align: center;

}


.w3l-mockup-form .main-mockup {

    position:    relative; display: -

    webkit-box; display:            -

    moz-box; display: -ms-flexbox;

    display: -webkit-flex; display:

    flex; margin:

    40px 0;

}


.w3l-mockup-form  .alert-close {

    cursor: pointer; height:

    35px;

    width: 35px;

    line-height: 35px;

    position:    absolute;

    right: -5px; top: -5px;

    background: #03cafc;

        border-

    radius: 50px;   color:

    #fff; text-align:

    center;


}


.w3l-mockup-form form {

        margin-top:

        30px; margin-

    bottom: 30px;

}

.social-icons    {    text-
```

```css
      align: center;

}


.w3l-mockup-form h1 {

   text-align: center; font-

   size:        40px; font-

   weight: 500; color:

   #3b3663;

}


.w3l-mockup-form h2 {

   display:  inline-block;

   font-size: 25px; line-

   height:           35px;

   margin-bottom: 5px; font-weight:

       600;

   color: #3b3663;

}
.w3l-mockup-forminput {

   outline:           none;

   marginbottom:    15px;

   font-size:  16px;  color:

   #999;  text-align: left;

   padding: 14px 20px; width:

   100%;       display:   inline-

   block;   boxsizing:   border-

   box; border:

   none;      outline:    none;

   background:  transparent;

   border:      1px       solid

   #e5e5e5;  transition: 0.3s

   all ease;

}
```

```css
.w3l-mockup-form   input:focus   {   border-
   color: #00c16e;

}


.w3l-mockup-form button {
   font-size: 18px; color:
   #fff;
   width:          100%;
   background:
   #03cafc;    border:
   none; padding: 14px
   15px;        font-weight:
   500; transition: .3s
   ease;
   -webkit-transition: .3s ease;
   -moz-transition: .3s ease;
   -ms-transition: .3s ease;
   -o-transition: .3s ease;
}


.w3l-mockup-form        button:hover        {
   background: #4ca356;

}


.w3l-mockup-form .social-icons ul li
   {    list-style:    none;    display:
   inlineblock;

}


.w3l-mockup-form .social-icons ul li a { padding:
   8px;

}
```

```css
.w3l-mockup-form .social-icons ul li a:hover

  { opacity: 0.8; transition: 0.5s ease;

  -webkit-transition: 0.5s ease;

  -o-transition: 0.5s ease;

  -ms-transition: 0.5s ease;

  -moz-transition: 0.5s ease;

}


.w3l-mockup-form .social-icons ul span.fa {

    color:   #696687;        font-size:

    18px;

  opacity: .8;

}


.w3l-mockup-form .social-icons ul li a.facebook span { color:

  #3b5998;

}
.w3l-mockup-form.social-icons ul li a.twitter span { color:

  #1da1f2;

}


.w3l-mockup-form .social-icons ul li a.pinterest span { color:

  #e60023;

}




.copyright p { text-

  align:     center;

  font-size:  17px; line-height:

  26px;

  color:   #607863;

  opacity: 1;
```

```css
}

p.copy-footer-29 a { color:
   #517856;

}


p.copy-footer-29  a:hover  {

      color:   #00c16e;

   transition: 0.5s ease;

   -webkit-transition: 0.5s ease;

   -o-transition: 0.5s ease;

   -ms-transition: 0.5s ease;

   -moz-transition: 0.5s ease;

}

.alert {
   padding:      1rem;

   border-radius:

   5px;  color:  white;

   margin: 1rem 0;


}
.alert-success {

   background-color: #42ba96;
}
.alert-danger    {    background-
   color: #fc5555;
}
.alert-info {

   background-color: #2E9AFE;
}


.alert-warning    {     background-
```

```css
    color: #ff9966;
}
/*-- responsive design --*/

@media (max-width:736px) {

  .w3l-mockup-form .main-mockup {

    flex-direction: column;

  }

  .w3l_form  {  order:  2;  padding:

    50px;      border-radius:      0;

    borderbottom-left-radius:  8px;

    borderbottom-right-radius: 8px;

  }
  .content-wthree  {   order:  1;

    border-radius:   0;   border-

    top-left-radius: 8px; border-

    top-right-radius:

    8px;

  }

}

@media (max-width:568px) {
  .w3l-mockup-form h1 {

    font-size: 30px;

  }

  .w3l-mockup-form .main-mockup { margin:

    30px 0;

  }

  .content-wthree          {
```

```css
      padding: 2.5em;

    }

  }

  @media (max-width: 415px) {

    .w3l-mockup-form { padding:

      40px 30px;

    }

  }

  @media (max-width:384px) {

    .w3l-mockup-form { padding:

      30px 15px;

    }
    .content-wthree{ padding:

       2em;

    }


    .w3l-mockup-form h1 {

      font-size: 28px;

    }


    .w3l-mockup-form h2 {

      font-size: 22px;

      line-height: 32px;

    }


    .copyright p { font-size:

      16px;

    }


  }
  /*-- //responsive design --*/
  /*-- //form styling --*/
```