

Date	01 November 2022
TeamID	PNT2022TMID24072
ProjectName	Efficient Water Quality Analysis and Prediction Using Machine Learning
MaximumMarks	8Marks

INDEX.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);

```

```
if (empty($row['code'])) {  
    $_SESSION['SESSION_EMAIL'] = $email;
```


required>

```
<?php echo $msg; ?>
<form action="" method="post">
  <input type="email" class="email"
    name="email" placeholder="Enter Your Email"
```

```

        <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

//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;

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($conn, "SELECT * FROM users WHERE email='{$_POST['email']}'")) > 0)
    {
```

```
        $msg = "<div class='alert alert-danger'>{$_POST['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
```

```
                $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 = 'ibyuldmuuxgvflj';

encryption                                           //SMTP password

                                           $mail->SMTPSecure =
                                           PHPMailer::ENCRYPTION_SMTPS;

                                           //Enable implicit TLS

$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>";  
}
```

```
    }  
  }  
?>
```

```
<!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>
```

```
  <!-- 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">
      
    </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>
    </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
```

```
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']}'");
```

```
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
```

```
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()));
```

```
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 = 'ibyuldmixvgvflj ';           //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>";

$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>";
}

```

}

```
}
```

```
?>
```

```
<!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" />
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<body>
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```
  <!-- 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">
      
    </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>
<!-- //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
```

```
session_start();  
session_unset();  
session_destroy()  
;
```

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

STYLE.CSS

```
html {  
    scroll-behavior: smooth;  
}
```

```
body,  
html {  
    margin: 0;  
    padding: 0;  
    font-family: 'Poppins', sans-serif;  
}
```

```
* {
```

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 {
```

```
    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;

    font-size:

    16px;

    line-height:

    25px; opacity: .6;
}
```

```
.p-relative {  
    position: relative;  
}
```

```
.p-absolute {  
    position:  
    absolute;  
}
```

```
.p-fixed {  
    position: fixed;  
}
```

```
.p-sticky {  
    position:  
    sticky;  
}
```

```
.btn,  
button  
,  
.actionbg  
, input {  
    border-radius: 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;  
}
```

```
@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%;  
  padding-right:  
  15px; padding-left:  
  15px; margin-right:  
  auto; margin-left:  
  auto;  
}
```

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

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

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

```
.container {  
  max-width:  
  890px; margin: 0  
  auto;  
}
```

```
.w3l_form {  
  padding: 0px;  
  flex-basis:  
  50%;  
  -webkit-flex-basis: 50%;  
  background: #03cafc;  
  padding: 100px 50px;
```

```
border-top-left-radius:  
8px;  
border-bottom-left-radius: 8px;  
display: flex;
```

```
justify-content: center;
align-items: center;
}
```

```
.content-wthree
{
  flex-basis:
  60%;
  -webkit-flex-basis:
  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-right-radius: 8px;
  border-bottom-right-radius: 8px;
}
```

```
.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-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-form input {  
  outline: none;  
  margin-bottom:  
  15px; font-size: 16px;  
  color: #999;  
  text-align:  
  left;  
  padding: 14px  
  20px; width: 100%;  
  display:  
  inline-block;  
  box-sizing: border-box;  
  border: none;  
  outline: none;  
  background: transparent;  
  border: 1px solid #e5e5e5;  
  transition: 0.3s all ease;  
}
```

```
.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: inline-block;  
}
```

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

```
.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;  
}
```

```
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-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;
  border-bottom-left-radius: 8px;
  border-bottom-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 {  
  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 --*/
```