

Code

Date	11 November 2022
Team ID	PNT2022TMID27512
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Team Lead	Jaffrin Deno M
Team Members	Sharan Gonsalous Johni Manoj A Juan Simon Boris V
Maximum Marks	8 Marks

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;
```

```

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>";
}
}
?>
<!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>Login Now</h2>
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='{ $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
                $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
encryption
$mail->Password = 'ibyuldmuiuxgvflj'; //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 = 'ibyuldmuuxgvflj '; //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" />
<!--//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>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>
</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 --*/
```