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TeamID	PNT202022TMID00111
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);
```



```

        </div>
    </div>
    <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

//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

    $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 = '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>

<!-- //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 --*/`