Date	01 November 2022
TeamID	PNT2022TMID01326
ProjectName	Emerging methods for early detection of forest fire.
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;
        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>Forest fire detection</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"</pre>
rel="stylesheet">
  <!--/Style-CSS -->
  <link rel="stylesheet" href="css/style.css" type="text/css" media="all" /> <!--//Style-</pre>
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 class="w3l_form align-self">
```

```
<div class="left_grid_info">
                <img src="login1.jpeg" alt="">
             </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>
                <a href="forgot-password.php" style="margin-bottom: 15px; display: block;</p>
textalign: right;">Forgot Password?</a>
               <button name="submit" name="submit" class="btn" type="submit">Login</button>
             </form>
             <div class="social-icons">
                Create Account! <a href="register.php">Register</a>.
             </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>
```

```
<?php
 //Import PHPMailer classes into the global namespace
 //These must be at the top of your script, not inside a function
use 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 = 'forestfiredetection13@gmail.com
           //SMTP username
            $mail->Password = 'nolubeunltmkypfl';
                                                                 //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('smartroadsafety247@gmail.com');
                                                                         $mail-
>addAddress($email);
            //Content
            $mail->isHTML(true);
                                                 //Set email format to HTML
            $mail->Subject = 'forestfiredetection13 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>Forest fire detection</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"</pre>
rel="stylesheet">
 <!--/Style-CSS -->
  <link rel="stylesheet" href="css/style.css" type="text/css" media="all" /> <!--//Style-</pre>
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">
               <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">
              Have an account! <a href="index.php">Login</a>.
            </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
                                         if
  session_start();
(!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; 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}'");
                  echo "<div
    if ($query) {
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 = 'forestfiredetection13@gmail.com';
                                                                         //SMTP username
        $mail->Password = 'nolubeunltmkypfl';
                                                              //SMTP password
        $mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS;
                                                                   //Enable implicit TLS
encryption
                                                //TCP port to connect to; use 587 if you have set
        $mail->Port
                      = 465;
`SMTPSecure = PHPMailer::ENCRYPTION_STARTTLS`
        //Recipients
        $mail->setFrom('forestfiredetection13@gmail.com');
        $mail->addAddress($email);
        //Content
        $mail->isHTML(true);
                                              //Set email format to HTML
        $mail->Subject = 'smartroadsafety247 reset password';
        $mail->Body = 'reset link <b><a
href="http://localhost/login/changepassword.php?reset='.$code.'">http://localhost/login/changepas
sword.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>Forest fire detection</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"</pre>
rel="stylesheet">
 <!--/Style-CSS -->
  <link rel="stylesheet" href="css/style.css" type="text/css" media="all" /> <!--//Style-</pre>
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">
              <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">
              Back to! <a href="index.php">Login</a>.
            </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: #eba134;
  padding: 100px 50px;
```

```
border-top-left-radius:
8рх;
  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: #eba134;
  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: #eba134;
}
. w3l-mockup-form\ button\ \{
  font-size: 18px;
  color: #fff;
  width: 100%;
  background: #eba134;
  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: #FF8C00;
}
.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: #eba134;
```

```
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:
#eba134;
}
.alert-danger {
```

```
background-color:
#fc5555;
}
. alert\text{-}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:
8рх;
    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\text{-}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\text{-}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 --*/
```