



This document outlines the development of a registration page using a combination of PHP, MySQL, HTML, JavaScript, and Bootstrap. The project aims to create a user-friendly and responsive registration interface with secure backend processing and data storage.

Key Technologies:

- **PHP:** Handles server-side processing and interactions with the database.
- **MySQL:** Stores user data securely and efficiently.
- **HTML:** Structures the content and layout of the registration page.
- **JavaScript:** Provides client-side validation and enhances user experience.
- **Bootstrap:** Ensures a responsive and aesthetically pleasing design

INCLUDES FOLDER:

- header.php
- footer.php
- navbar.php

➤ HEADER.PHP

```
<!doctype html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="icon" href="images.png" type="image/x-icon">

  <title>
    <?php if(isset($page_title)){echo "$page_title";} ?> -Tracxn
  </title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
```

➤ FOOTER.PHP

```
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
</body>

</html>
```

➤ NAVBAR.PHP

```
<div class="bg-dark">
  <div class="container">
    <div class="row">
      <div class="col-md-12">
        <nav class="navbar navbar-expand-lg navbar-dark">
          <div class="container-fluid">
            <a class="navbar-brand" href="#">
              
              Web Development</a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
              data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false"
              aria-label="Toggle navigation">
              <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="navbarSupportedContent">

              <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
                <li class="nav-item">
                  <a class="nav-link active" href="index.php">Home</a>
                </li>

                <li class="nav-item">
                  <a class="nav-link" href="dashboard.php">Dashboard</a>
                </li>
                <?php if (!isset($_SESSION['authenticated'])): ?>
                  <li class="nav-item">
                    <a class="nav-link" href="register.php">Register</a>
                  </li>

                  <li class="nav-item">
                    <a class="nav-link" href="login.php">Login</a>
                  </li>
                <?php endif ?>

                <?php if (isset($_SESSION['authenticated'])): ?>
                  <li class="nav-item">
                    <a class="nav-link" href="logout.php">Logout</a>
                  </li>
                <?php endif ?>
              </ul>

            </div>
          </div>
        </nav>
```

```
</div>
</div>
</div>
</div>
```

❖ DATABASE CONNECTION – MYSQL (registration)

```
<?php

$conn = mysqli_connect("localhost", "root", "groot", "registration");

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

echo "Connected successfully , ";
?>
```

❖ HOME PAGE (INDEX.PHP)

```
<?php
$page_title = "Home Page";
include('authentication.php');
include('includes/header.php');
include('includes/navbar.php');
?>
<style>
    body {
        background-image: url('background.jpg');
        background-size: cover;
        background-repeat: no-repeat;
        background-attachment: fixed;
        color: white;
    }

    h2,
    h4 {
        font-weight: bold;
    }
</style>

<div class="py-5">
    <div class="container">
        <div class="row">
            <div class="col-md-12 text-center">
                <b>
                    <h2>Welcome to our Website!</h2>
                </b>
                <h4>Explore Your Home Page</h4>
            </div>
```

```

    </div>
  </div>
</div>

<?php include('includes/footer.php'); ?>

```

❖ DASHBOARD.PHP

```

<?php

include('authentication.php');
$page_title = "Dashboard";
include('includes/header.php');
include('includes/navbar.php')
?>

<style>
  body {
    background-image: url('background.jpg');
    background-size: cover;
    background-repeat: no-repeat;
    background-attachment: fixed;
    color: white;
  }

  h4,
  h5 {
    font-weight: bold;
  }
</style>

<div class="py-5">
  <div class="container">
    <div class="row">
      <div class="col-md-12 ">
        <?php
        if (isset($_SESSION['status'])) {
          ?>
          <div class="alert alert-success">
            <h5><?= $_SESSION['status']; ?></h5>
          </div>
          <?php
          unset($_SESSION['status']);
        }
        ?>
        <div class="card">
          <div class="card-header">
            <h4>User Dashboard</h4>
          </div>

```

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```
<div class="card-body">

    <h4>Access When you are Logged IN</h4>
    <hr>
    <h5>Username:<?= $_SESSION['auth_user']['username']; ?> </h5>
    <h5>Email ID:<?= $_SESSION['auth_user']['email']; ?> </h5>
    <h5>Phone No:<?= $_SESSION['auth_user']['phone']; ?> </h5>
</div>
</div>
</div>
</div>
</div>

<?php include('includes/footer.php') ?>
```

❖ REGISTER.PHP (REGISTRATION PAGE)

```
<?php
session_start();
$page_title = "Registration";
include ('includes/header.php');
include ('includes/navbar.php');
?>

<style>
    body {
        background-image: url('background.jpg');
        background-size: cover;
        background-repeat: no-repeat;
        background-attachment: fixed;
        color: white;
    }

    h4,
    h5 {
        font-weight: bold;
    }

    .valid-feedback {
        color: green;
    }

    .invalid-feedback {
        color: red;
    }

    .password-requirements {
        margin-top: 10px;
    }
```

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```
font-size: 14px;
}

.password-requirement {
  margin-bottom: 5px;
}

.password-requirement.valid {
  color: green;
}

.password-requirement.invalid {
  color: red;
}

.email-requirements {
  margin-top: 10px;
  font-size: 14px;
}

.email-requirement {
  margin-bottom: 5px;
}

.email-requirement.valid {
  color: green;
}

.email-requirement.invalid {
  color: red;
}

.phone-format-hint {
  display: none;
  color: #6c757d;
  font-size: 12px;
  margin-top: 5px;
}
</style>

<div class="py-5">
  <div class="container">
    <div class="row justify-content-center">
      <div class="col-md-5">
        <?php
        if (isset($_SESSION['status'])) {
          ?>
          <div class="alert alert-success">
            <h5><?= $_SESSION['status']; ?></h5>
          </div>
        <?php
```

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```

unset($_SESSION['status']);
}

?>
<div class="card shadow">
  <div class="card-header">
    <h5>Registration Form</h5>
  </div>
  <div class="card-body">
    <form action="code.php" method="POST">
      <div class="form-group mb-3">
        <label for="name">Name</label>
        <input type="text" name="name" id="name" class="form-control" required>
      </div>

      <div class="form-group mb-3">
        <label for="phone">Phone Number</label>
        <input type="tel" name="phone" id="phone" class="form-control"
pattern="[0-9]{10}" required>
        <small class="phone-format-hint">Format: 10 digits without spaces or
dashes</small>
        <div class="invalid-feedback">Please enter 10 digits without spaces or
dashes</div>
      </div>

      <div class="form-group mb-3">
        <label for="email">Email Address</label>
        <input type="email" name="email" id="email" class="form-control"
required>
        <div id="emailRequirements" class="email-requirements" style="display:
none;">
          <div id="validEmailCheck" class="email-requirement">Valid email
format</div>
        </div>
      </div>

      <div class="form-group mb-3">
        <label for="password">Password</label>
        <div class="input-group">
          <input type="password" name="password" id="password" class="form-
control" required>
          <button type="button" class="btn btn-outline-secondary"
onclick="togglePassword('password')">Show</button>
        </div>
        <small id="passwordHelpBlock" class="form-text text-muted"
style="display: none;">
          </small>
        <div id="passwordRequirements" class="password-requirements"
style="display: none;">

```

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```
<div id="lengthCheck" class="password-requirement">Minimum eight
characters</div>
    <div id="uppercaseCheck" class="password-requirement">At least one
uppercase letter</div>
    <div id="lowercaseCheck" class="password-requirement">At least one
lowercase letter</div>
    <div id="numberCheck" class="password-requirement">At least one
number</div>
    <div id="specialCharCheck" class="password-requirement">At least one
special character</div>
</div>
</div>

    <div class="form-group mb-3">
        <label for="confirm_password">Confirm Password</label>
        <input type="password" name="confirm_password" id="confirm_password"
class="form-control" required>
        <div id="passwordMismatch" class="invalid-feedback" style="display:
none;">Passwords do not match</div>
    </div>

    <div class="form-group">
        <button type="submit" id="registerBtn" name="register_btn" class="btn
btn-primary"
disabled>Register</button>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

<script>
function togglePassword(fieldId) {
    var field = document.getElementById(fieldId);
    if (field.type === "password") {
        field.type = "text";
    } else {
        field.type = "password";
    }
}

document.getElementById('phone').addEventListener('input', function () {
    var phoneNumber = this.value.trim();
    var formatHint = document.querySelector('.phone-format-hint');
    var invalidFeedback = document.querySelector('.invalid-feedback');

    if (phoneNumber.length > 0) {
        formatHint.style.display = 'block';
```



```

    } else {
        formatHint.style.display = 'none';
    }

    if (/^\d{10}$/.test(phoneNumber)) {
        formatHint.style.display = 'none';
        invalidFeedback.style.display = 'none';
    } else {
        invalidFeedback.style.display = 'block';
    }
});

document.getElementById('password').addEventListener('input', function () {
    var password = this.value.trim();
    var requirements = {
        length: password.length >= 8,
        uppercase: /[A-Z]/.test(password),
        lowercase: /[a-z]/.test(password),
        number: /\d/.test(password),
        specialChar: /[!%*?&]/.test(password)
    };

    updateRequirement('length', requirements.length);
    updateRequirement('uppercase', requirements.uppercase);
    updateRequirement('lowercase', requirements.lowercase);
    updateRequirement('number', requirements.number);
    updateRequirement('specialChar', requirements.specialChar);

    var isValid = Object.values(requirements).every(val => val);

    if (isValid) {
        document.getElementById('passwordHelpBlock').style.display = 'none';
        document.getElementById('passwordRequirements').style.display = 'none';
    } else {
        document.getElementById('passwordHelpBlock').style.display = 'block';
        document.getElementById('passwordRequirements').style.display = 'block';
    }

    checkPasswordMatch();
});

document.getElementById('confirm_password').addEventListener('input', function () {
    checkPasswordMatch();
});

function updateRequirement(req, isValid) {
    var requirementElement = document.getElementById(req + 'Check');
    if (isValid) {
        requirementElement.classList.add('valid');
        requirementElement.classList.remove('invalid');
    } else {

```

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```
requirementElement.classList.remove('valid');
requirementElement.classList.add('invalid');
}
}

function checkPasswordMatch() {
    var password = document.getElementById('password').value;
    var confirm_password = document.getElementById('confirm_password').value;
    var mismatchMessage = document.getElementById('passwordMismatch');

    if (confirm_password.length > 0) {
        if (password === confirm_password) {
            mismatchMessage.style.display = 'none';
            document.getElementById('registerBtn').disabled = false;
        } else {
            mismatchMessage.style.display = 'block';
            document.getElementById('registerBtn').disabled = true;
        }
    } else {
        mismatchMessage.style.display = 'none';
        document.getElementById('registerBtn').disabled = true;
    }
}

document.getElementById('email').addEventListener('input', function () {
    var email = this.value.trim();
    var validEmailCheck = document.getElementById('validEmailCheck');

    if (/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/ .test(email)) {
        validEmailCheck.classList.add('valid');
        validEmailCheck.classList.remove('invalid');
        validEmailCheck.textContent = 'Valid email format';
        validEmailCheck.style.display = 'block';
        document.getElementById('emailRequirements').style.display = 'none';
    } else {
        validEmailCheck.classList.remove('valid');
        validEmailCheck.classList.add('invalid');
        validEmailCheck.textContent = 'Invalid email format';
        validEmailCheck.style.display = 'block';
        document.getElementById('emailRequirements').style.display = 'block';
    }
});

</script>

<?php include ('includes/footer.php'); ?>
```

❖ CODE.PHP(TO SEND MAIL)

```

_<?php
session_start();
include ('registration.php');

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\SMTP;
use PHPMailer\PHPMailer\Exception;

require 'vendor/autoload.php';

function sendemail_verify($name, $email, $verify_token)
{
    $mail = new PHPMailer(true);

    $mail->isSMTP();
    $mail->SMTPAuth = true;
    $mail->Host = 'smtp.gmail.com';
    $mail->Username = 'sumithrajput53361@gmail.com';
    $mail->Password = 'chfqkfdkgjttqkwmo';
    $mail->SMTPSecure = "tls";
    $mail->Port = 587;

    $mail->setFrom('sumithrajput53361@gmail.com', $name);
    $mail->addAddress($email);

    $mail->isHTML(true);
    $mail->Subject = 'Email Verification from Tracxn';
    $email_template = "
        <h2>You Have Registered with Tracxn</h2>
        <h5>Verify your email Address to login with the below link</h5>
        <br/><br/>
        <a href='http://localhost:8080/Registration_Form/verify-
email.php?token=$verify_token'>Click Here</a>
    ";
    $mail->Body = $email_template;
    $mail->send();
    // echo 'Message has been sent';
}

if (isset($_POST['register_btn']))
{
    $name = $_POST['name'];
    $phone = $_POST['phone'];
    $email = $_POST['email'];
}

```

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```
$password = $_POST['password'];
$verify_token = md5(rand());

// Email Exists or not
$check_email_query = "SELECT email FROM users WHERE email='$email' LIMIT 1";
$check_email_query_run = mysqli_query($conn, $check_email_query);

if (mysqli_num_rows($check_email_query_run) > 0) {
    $_SESSION['status'] = "Email Id already exists";
    header("Location: register.php");
} else {

    $query = "INSERT INTO users(name, phone, email, password, verify_token)
VALUES('$name', '$phone', '$email', '$password', '$verify_token')";
    $query_run = mysqli_query($conn, $query);

    if ($query_run) {
        sendmail_verify($name, $email, $verify_token);
        $_SESSION['status'] = "Registration Successful!! Please verify your Email Address";
        header("Location: register.php");
    } else {
        $_SESSION['status'] = "Registration Failed";
        header("Location: register.php");
    }
}

?>
```

❖ VERIFY-EMAIL.PHP

```
<?php
session_start();
include ('registration.php');

if (isset($_GET['token'])) {
    $token = $_GET['token'];

    $verify_query = "SELECT verify_token, verify_status FROM users WHERE verify_token = '$token' LIMIT 1";
    $verify_query_run = mysqli_query($conn, $verify_query);

    if (mysqli_num_rows($verify_query_run) > 0) {
        $row = mysqli_fetch_assoc($verify_query_run);
```

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```
if ($row['verify_status'] == "0") {

    $update_query = "UPDATE users SET verify_status = '1' WHERE verify_token = '$token' LIMIT 1";
    $update_query_run = mysqli_query($conn, $update_query);

    if ($update_query_run) {
        $_SESSION['status'] = "Your Account has been Verified Successfully";
        header("Location: login.php");
        exit();
    } else {
        $_SESSION['status'] = "Verification Failed";
        header("Location: login.php");
        exit();
    }
} else {
    $_SESSION['status'] = "Email Already Verified. Please Login";
    header("Location: login.php");
    exit();
}
} else {
    $_SESSION['status'] = "This token does not Exist";
    header("Location: login.php");
    exit();
}
} else {
    $_SESSION['status'] = "Not Allowed";
    header("Location: login.php");
    exit();
}
?>
```

❖ LOGIN.PHP

```
<?php
session_start();

if (isset($_SESSION['authenticated'])) {
    $_SESSION['status'] = "You are already Logged in";
    header('Location: dashboard.php');
    exit(0);
}

$page_title = "Login";

include ('includes/header.php');
include ('includes/navbar.php');
?>

<style>
```

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```
body {
  background-image: url('background.jpg');
  background-size: cover;
  background-repeat: no-repeat;
  background-attachment: fixed;
  color: white;
}

h4, h5 {
  font-weight: bold;
}
</style>

<div class="py-5">
  <div class="container">
    <div class="row justify-content-center">
      <div class="col-md-5">
        <?php
          if (isset($_SESSION['status'])) {
            ?>
            <div class="alert alert-success">
              <h5><?= $_SESSION['status']; ?></h5>
            </div>
            <?php
              unset($_SESSION['status']);
            }
            ?>
            <div class="card shadow">
              <div class="card-header">
                <h5>Login Form</h5>
              </div>
              <div class="card-body">
                <form action="logincode.php" method="POST">
                  <div class="form-group mb-3">
                    <label for="">Email Address</label>
                    <input type="text" name="email" class="form-control">
                  </div>
                  <div class="form-group mb-3">
                    <label for="">Password</label>
                    <input type="password" name="password" class="form-control">
                  </div>
                  <div class="form-group">
                    <button type="submit" name="login_now_btn" class="btn btn-
primary">Login</button>
                  </div>
                </form>

                <hr>
                <h5>
                  Did not receive your Verification Email?
                  <a href="resend-email-verification.php">Resend</a>
                </h5>
              </div>
            </div>
          }
        </div>
      </div>
    </div>
  </div>
</div>
```

```

        </h5>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php include ('includes/footer.php') ?>

```

❖ LOGINCODE.PHP

```

_<?php
session_start();
include('registration.php');
if(isset($_POST['login_now_btn']))
{
    if(!empty(trim($_POST['email'])) && !empty(trim($_POST['password'])))
    {
        $email = mysqli_real_escape_string($conn,$_POST['email']);
        $password = mysqli_real_escape_string($conn, $_POST['password']);

        $login_query="SELECT * FROM users WHERE email = '$email' AND password = '$password'
LIMIT 1";
        $login_query_run=mysqli_query($conn,$login_query);

        if(mysqli_num_rows($login_query_run)>0)
        {
            $row=mysqli_fetch_array($login_query_run);

            if($row['verify_status']==1)
            {
                $_SESSION['authenticated']=TRUE;
                $_SESSION['auth_user']=[
                    'username'=>$row['name'],
                    'phone' => $row['phone'],
                    'email' => $row['email'],
                ];
                $_SESSION['status'] = "You are Logged In Successfully.";
                header("Location:dashboard.php");
                exit(0);
            }
            else
            {
                $_SESSION['status'] = "Please Verify Your Email Address to Login.";
                header("Location:login.php");
            }
        }
    }
}

```

```
        exit(0);
    }
}
else
{
    $_SESSION['status'] = "Invalid Email Or Password";
    header("Location:login.php");
    exit(0);
}
}
else
{
    $_SESSION['status']="All Fields are Mandatory";
    header("Location:login.php");
    exit(0);
}
}
?>
```

❖ LOGOUT.PHP

```
<?php
session_start();
unset($_SESSION['authenticated']);
unset($_SESSION['auth_user']);
$_SESSION['status']="You Logged Out Successfully";
header("Location:login.php");
?>
```

❖ RESEND-EMAIL-VERIFICATION.PHP

```
<?php

session_start();
$page_title="Login Page";
include('includes/header.php');
include ('includes/navbar.php');
?>

<style>
body {
    background-image: url('background.jpg');
    background-size: cover;
    background-repeat: no-repeat;
    background-attachment: fixed;
    color: white;
```



```

}

h4, h5 {
    font-weight: bold;
}
</style>

<div class="py-5">
    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-6">
                <?php
                if (isset($_SESSION['status'])) {
                    ?>
                    <div class="alert alert-success">
                        <h5><?= $_SESSION['status']; ?></h5>
                    </div>
                    <?php
                    unset($_SESSION['status']);
                }

                ?>
                <div class="card">
                    <div class="card-header">
                        <h5>Resend Email Verification</h5>
                    </div>
                    <div class="card-body">
                        <form action="resend-code.php" method="POST">
                            <div class="form-group mb-3">
                                <label>Email Address</label>
                                <input type="text" name="email" class="form-control" placeholder="Enter
Email Address">
                            </div>
                            <div class="form-group mb-3">
                                <button type="submit" name="resend_email_verify_btn" class="btn btn-
primary">Submit</button>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

<?php include('includes/footer.php');

```

❖ RESEND-CODE.PHP (EMAIL-VERIFICATION)

```

_<?php
session_start();
include('registration.php');

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\SMTP;
use PHPMailer\PHPMailer\Exception;

require 'vendor/autoload.php';
function resend_email_verify($name,$email,$verify_token)
{
    $mail = new PHPMailer(true);
    $mail->isSMTP();
    $mail->SMTPAuth = true;
    $mail->Host = 'smtp.gmail.com';
    $mail->Username = 'sumithrajput53361@gmail.com';
    $mail->Password = 'chfqkfdkgjtkwmo';
    $mail->SMTPSecure = "tls";
    $mail->Port = 587;

    $mail->setFrom('sumithrajput53361@gmail.com', $name);
    $mail->addAddress($email);
    $mail->isHTML(true);
    $mail->Subject = 'Resend- Email Verification from Traxcn';
    $email_template = "
        <h2>You Have Registered with Traxcn</h2>
        <h5>Verify your email Address to login with the below link</h5>
        <br/><br/>
        <a href='http://localhost:8080/Registration_Form/verify-
email.php?token=$verify_token'>Click Here</a>
    ";
    $mail->Body = $email_template;
    $mail->send();
    // echo 'Message has been sent';
}
if(isset($_POST['resend_email_verify_btn']))
{
    if(!empty(trim($_POST['email'])))
    {
        $email=mysqli_real_escape_string($conn,$_POST['email']);
        $checkemail_query="SELECT * FROM users WHERE email='$email' LIMIT 1";
        $checkemail_query_run=mysqli_query($conn,$checkemail_query);

        if(mysqli_num_rows($checkemail_query_run)>0)
        {
            $row=mysqli_fetch_array($checkemail_query_run);

```

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```
if($row['verify_status']=="0")
{
    $name=$row['name'];
    $email=$row['email'];
    $verify_token=$row['verify_token'];

    resend_email_verify($name,$email,$verify_token);
    $_SESSION['status']="Verification Email Link has been sent to your
address.!!";
    header("Location:login.php");
}
else
{
    $_SESSION['status']="Email Already Verified.Please login";
    header("Location:resend-email-verification.php");
}
}
else
{
    $_SESSION['status']="Email is not registered.Please Register now.!!";
    header("Location:register.php");
}
}
else
{
    $_SESSION['status']="Please enter your email address";
    header("Location:resend_email_verification.php");
}
}

else
{
}

?>
```

❖ AUTHENTICATION.PHP

```
<?php
session_start();

if(!isset($_SESSION['authenticated']))
{
    $_SESSION['status']="Please Login to Access User Dashboard";
    header('Location: login.php');
    exit(0);
}

?>
```

❖ IMAGES



i. Images.png



ii. Background.jpg

Project Overview:

This document provides a comprehensive overview of the development of a registration page for the **TRACXN** assignment. The project involves creating a robust registration system with strong validation, email verification, and a user dashboard. The entire process, from initial wireframing to final implementation, is documented using various tools and technologies.

Tools and Technologies Used:

- **Operating System:** Windows
- **Code Editor:** VSCode
- **Web Server:** XAMPP
- **Database Management:** phpMyAdmin, MySQL
- **Programming Languages:** PHP, HTML, JavaScript, CSS
- **Framework:** Bootstrap
- **Documentation:** MS Word
- **Wireframing and Notes:** Notepad

Project Details

Wireframe 1: Registration Form

The registration form collects essential user information, including name, phone number, email address, and password. The form includes strong client-side and server-side validation to ensure data integrity and security.

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Features:

- **User Input Fields:** Name, Phone Number, Email Address, Password, Confirm Password
- **Client-Side Validation:** Implemented using JavaScript to provide immediate feedback.
- **Server-Side Validation:** Implemented using PHP to ensure data integrity and security.
- **Responsive Design:** Achieved using Bootstrap for optimal viewing on various devices.

Wireframe 2: After Clicking Register Button

After the user submits the registration form, the system processes the input data, validates it, and stores it in the MySQL database. A success message is displayed, prompting the user to verify their email address.

Features:

- **Data Storage:** User information is securely stored in the MySQL database.
- **Success Message:** Informing the user to verify their email address.
- **Email Sending:** An email with a verification link is sent to the user's email address.

Wireframe 3: Email Verification Message

The email sent to the user contains a verification link that they need to click to verify their email address. This ensures that the email address provided is valid and accessible by the user.

Features:

- **Verification Link:** Unique link generated for each user to verify their email.
- **Email Content:** Provides instructions and a clickable link for email verification.

Wireframe 4: After Verification

Upon clicking the verification link in the email, the user is redirected to a confirmation page, indicating that their email has been successfully verified. They are then directed to the login form.

Features:

- **Email Verification:** Confirms the user's email address.
- **Redirection:** Directs the user to the login page after successful verification

Wireframe 5: After Login with Correct Credentials

After successfully logging in with verified credentials, the user is redirected to their dashboard. The dashboard displays the user's information and provides access to additional functionalities.

Features:

- **User Dashboard:** Displays user information and provides access to protected features.
- **Session Management:** Ensures that only logged-in users can access the dashboard.

Code Structure:

The project is organized into multiple PHP files for modularity and reusability:

- **navbar.php:** This file contains the code for the navigation bar, which is a consistent element across multiple pages, providing links to essential sections like Home, Dashboard, Register, and Login.
- **header.php:** This file includes the header section of the web pages. It typically contains meta information, the title of the webpage, and links to stylesheets and scripts.
- **footer.php:** This file consists of the footer section, providing consistent footer content across all pages, including copyright information and additional navigation links.
- **register.php:** Handles user registration by capturing and validating user input. It ensures that the data is correctly stored in the MySQL database and initiates the email verification process.
- **verify-email.php:** Manages the email verification process. When a user clicks the verification link sent to their email, this file confirms the email address and updates the user's verification status in the database.
- **login.php:** Manages user authentication. It verifies the user's credentials and initiates a session upon successful login, redirecting the user to the dashboard.
- **registration.php:** This file handles the database interactions for the registration process, connecting the PHP code with the MySQL database to store user information securely.
- **authentication.php:** Ensures that only authenticated users can access specific pages like the dashboard and home page. It redirects unauthenticated users to the login page.
- **logout.php:** Ends the user session and redirects them to the registration page, effectively logging them out of the application.
- **resend-email.php:** Allows users to request a new verification email if they have not received the initial one. If an unregistered user attempts to access this feature, they are prompted to register first.
- **code.php:** Responsible for sending the email verification link to the user's email address during the registration process.

Conclusion:

This documentation provides a detailed overview of the registration system developed for the TRACXN assignment. Each component is carefully designed and implemented using the specified tools and technologies to ensure a robust, secure, and user-friendly application. The project highlights strong validation mechanisms, email verification, and an intuitive user dashboard, demonstrating the application of best practices in web development.

QUESTIONARIES :

1. Why are you looking for a job change? How does this role at Tracxn fit in?

I am looking to change jobs to advance my career and take on new challenges that will help me grow my skills and knowledge. My current role at Urban Company has given me a strong background in data analysis, problem-solving, and project management. However, I am eager to work in a more dynamic and innovative environment where I can make a bigger impact.

The role at Tracxn excites me because it focuses on using data to drive strategic decisions in the startup ecosystem. I am particularly interested in Tracxn's mission to provide investors and corporates with valuable insights and data analytics. This matches my professional goals and my expertise in data analysis. Additionally, Tracxn's innovative culture and focus on continuous learning offer a great opportunity for me to grow both personally and professionally while contributing to the company's success.

2.What do you think are the pros and cons of joining a startup?

Joining a startup comes with unique benefits and challenges:

Pros:

- **Innovation and Creativity:** Startups thrive on innovation, encouraging creative problem-solving and new ideas. This environment promotes personal and professional growth as employees are continually challenged to think differently.
- **Impact and Ownership:** In a startup, every team member's work significantly impacts the company's success. This sense of ownership and responsibility is motivating and rewarding, as you can directly see the results of your efforts.
- **Learning Opportunities:** Startups offer a fast-paced, dynamic environment where learning is constant. Employees often take on multiple roles, gaining experience in different areas of the business and developing a broad skill set.
- **Flexibility and Culture:** Startups usually provide a flexible work environment with a strong focus on collaboration and team culture. This creates a supportive and energetic atmosphere that is both enjoyable and fulfilling.

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Cons:

- **Uncertainty and Risk:** Startups can be unstable and uncertain, especially in their early stages. This can lead to job insecurity and potential financial instability compared to more established companies.
- **Workload and Pressure:** The fast-paced nature of startups often means high workloads and pressure to achieve ambitious goals. This can result in longer working hours and a potential imbalance between work and personal life.
- **Resource Constraints:** Startups may have limited resources, including fewer tools, support systems, and tighter budgets. This requires employees to be resourceful and adaptable to overcome challenges.

Despite these challenges, I am excited about the opportunities that a startup like Tracxn offers. The chance to work in an innovative environment, contribute to meaningful projects, and grow alongside the company aligns perfectly with my career goals and aspirations.