

NEXUS INTERN PROJECT -1

Domain: Web Development

Project Name: Login and Signup Page (Front-end Only)

GitHub Link: <https://dharani-webdev.github.io/project1-nexus./>

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Submitted to: Nexus Software

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1. INTRODUCTION

This project aims to create a user-friendly system for a web application. The login and signup pages are crucial components, allowing users to access personalized content and features. The purpose of this documentation is to provide a comprehensive guide on the design, functionality, and security considerations for the login and signup pages of a web application.

PROJECT OBJECTIVES:

1. **Login Page:** Provide a seamless and intuitive login experience for existing users to access their accounts.
2. **Sign Up Page:** Create a user-friendly signup process for new users to register and create their accounts.

PROJECT STRUCTURE:

The project is structured into two main parts: the login page and the signup page. Each page has its HTML, CSS, and JavaScript files to ensure modularity and maintainability.

Login Page:

- **HTML Structure:** Contains form elements for username and password input.
- **CSS Styling:** Provides a visually appealing and responsive design for the login page.
- **JavaScript Interactivity:** Handles form submission and potential authentication logic.

Sign up Page:

- HTML Structure: Includes form elements for new username and password input.
- CSS Styling: Tailored styles for the signup page to maintain a consistent look.
- JavaScript Interactivity: Manages form submission and handles user registration logic.

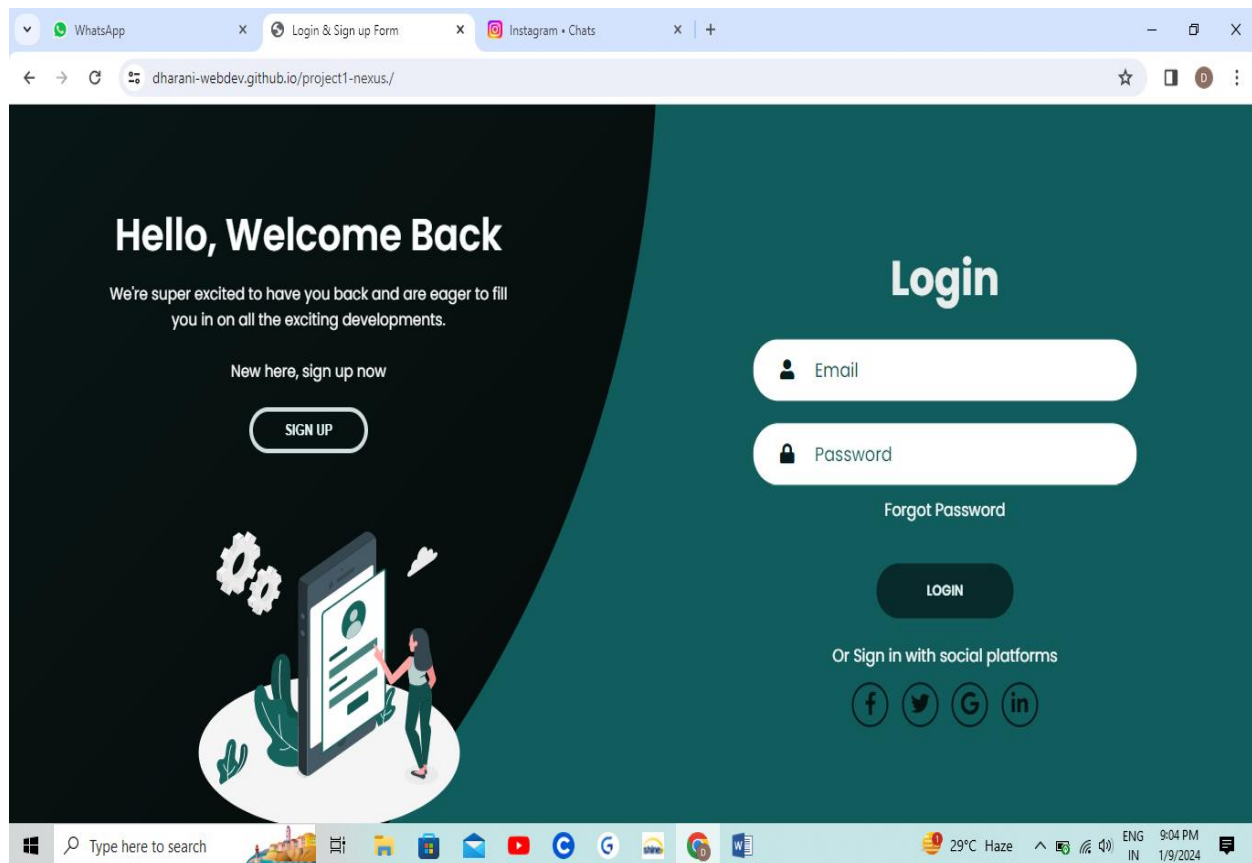
2.LOGIN PAGE

Login Page:

- **User-Interface**

The login page should include the following elements:

- Username/Email input field
- Password input field
- "Forgot Password" link
- "Login" button
- Sign in with Social Platforms
- Sign up Button



3.SIGNUP PAGE

Sign up Page:

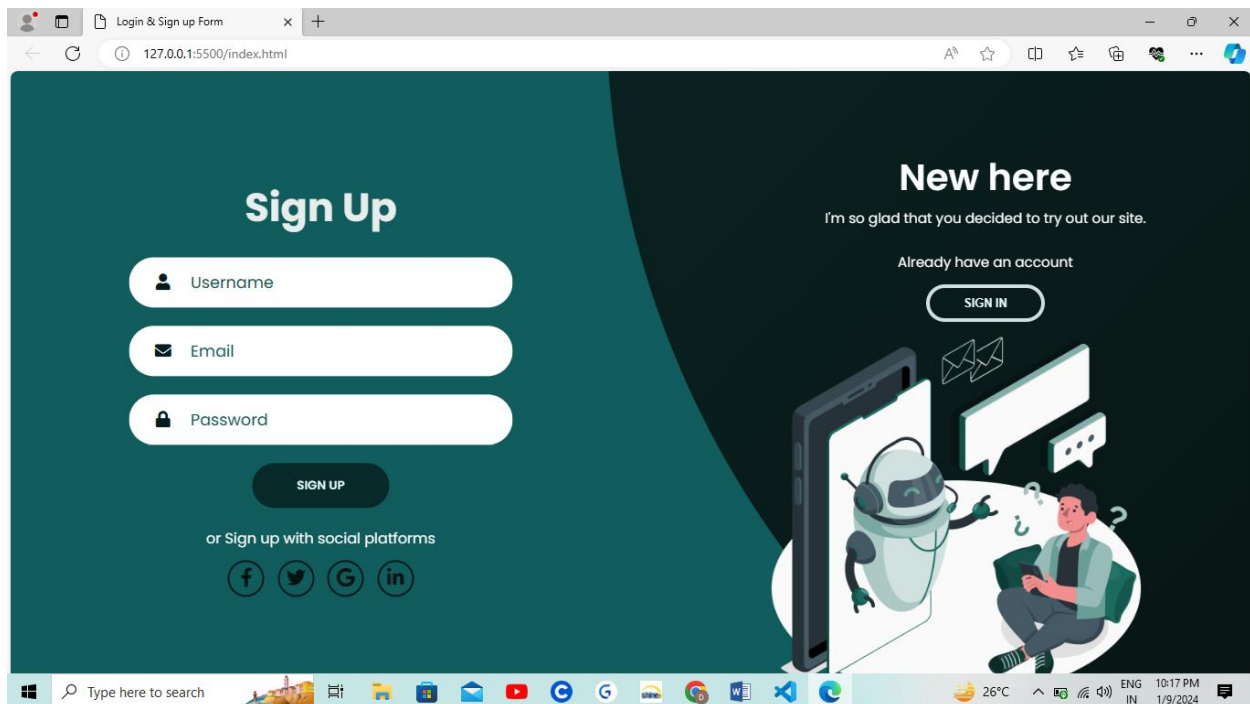
- **User Interface**

The signup page should include the following elements:

- Username input field
- Email input field
- Password input field
- "Signup" button
- Sign up with Social Platforms
- Already have an account “Login”

- **Functionality**

- Validating and accepting user inputs for registration.
- Creating a new user account.



4. TECHNOLOGIES USED

Frontend Technologies:

- HTML5
- CSS3
- JavaScript

Design Principles:

- Responsive Design for various screen sizes
- User-friendly and intuitive interface

Project Requirements:

- Attractive Design
- Responsiveness
- CSS Decorations
- Form Validation

5.SAMPLE CODE

Index.html:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <script
      src="https://kit.fontawesome.com/64d58efce2.js"
      crossorigin="anonymous"
    ></script>
    <link rel="stylesheet" href="style.css" />
    <title>Login & Sign up Form</title>
  </head>
  <body>
    <div class="container">
      <div class="forms-container">
        <div class="signin-signup">
          <form action="#" class="sign-in-form">
            <h2 class="title">Login</h2>
            <div class="input-field">
              <i class="fas fa-user"></i>
              <input type="email" placeholder="Email" required />
            </div>
            <div class="input-field">
              <i class="fas fa-lock"></i>
              <input type="password" placeholder="Password" aria-required="true" required>
            </div>

            <div class="forgot">
              <a href="#" style="color: white;">Forgot Password</a>
            </div>
            <br>
            <input type="submit" value="Login" class="btn solid" />
            <p class="social-text">Or Sign in with social platforms</p>
            <div class="social-media">
              <a href="#" class="social-icon">
                <i class="fab fa-facebook-f"></i>
              </a>
              <a href="#" class="social-icon">
                <i class="fab fa-twitter"></i>
              </a>
            </div>
          </form>
        </div>
      </div>
    </div>
```



```

        </a>
        <a href="#" class="social-icon">
            <i class="fab fa-google"></i>
        </a>
        <a href="#" class="social-icon">
            <i class="fab fa-linkedin-in"></i>
        </a>
    </div>
</form>
<form action="#" class="sign-up-form">
    <h2 class="title">Sign Up</h2>
    <div class="input-field">
        <i class="fas fa-user"></i>
        <input type="text" aria-required="true" placeholder="Username"
required/>
    </div>
    <div class="input-field">
        <i class="fas fa-envelope"></i>
        <input type="email" aria-required="true" placeholder="Email"
required />
    </div>
    <div class="input-field">
        <i class="fas fa-lock"></i>
        <input type="password" id="psw" name="psw"
pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}" required placeholder="Password">
    </div>
    <div id="message">
        <h3>Password must contain the following:</h3>
        <p id="letter" class="invalid">A <b>lowercase</b>letter</p>
        <p id="capital" class="invalid">A <b>capital (uppercase)</b> letter</p>
        <p id="number" class="invalid">A <b>number</b></p>
        <p id="length" class="invalid">Minimum <b>8 characters</b></p>
    </div>

    <input type="submit" class="btn" value="Sign up" />
    <p class="social-text">or Sign up with social platforms</p>
    <div class="social-media">
        <a href="#" class="social-icon">
            <i class="fab fa-facebook-f"></i>
        </a>
        <a href="#" class="social-icon">
            <i class="fab fa-twitter"></i>
        </a>
        <a href="#" class="social-icon">
            <i class="fab fa-google"></i>

```

```

        </a>
        <a href="#" class="social-icon">
            <i class="fab fa-linkedin-in"></i>
        </a>
    </div>
</form>
</div>
</div>

<div class="panels-container">
    <div class="panel left-panel">
        <div class="content">
            <h3>Hello, Welcome Back</h3>
            <p>We're super excited to have you back and are eager to fill you in
on all the exciting developments.
<br><br>New here, sign up now</p>
            <button class="btn transparent" id="sign-up-btn">
                Sign up
            </button>
        </div>
        
    </div>
    <div class="panel right-panel">
        <div class="content">
            <h3>New here</h3>
            <p>
                I'm so glad that you decided to try out our site.
            </p><p>Already have an account</p>
            <button class="btn transparent" id="sign-in-btn">
                Sign in
            </button>
        </div>
        
    </div>
</div>

<script src="app.js"></script>
</body>
</html>

```

style.css:

```
@import
url("https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700;800&display=swap");

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body,
input {
  font-family: "Poppins", sans-serif;
}

.container {
  position: relative;
  width: 100%;
  background-color: #115d5d;
  min-height: 100vh;
  overflow: hidden;
}

.forms-container {
  position: absolute;
  width: 100%;
  height: 100%;
  top: 0;
  left: 0;
}

.signin-signup {
  position: absolute;
  top: 50%;
  transform: translate(-50%, -50%);
  left: 75%;
  width: 50%;
  transition: 1s 0.7s ease-in-out;
  display: grid;
  grid-template-columns: 1fr;
  z-index: 5;
}
```

```
form {
  display: flex;
  align-items: center;
  justify-content: center;
  flex-direction: column;
  padding: 0rem 5rem;
  transition: all 0.2s 0.7s;
  overflow: hidden;
  grid-column: 1 / 2;
  grid-row: 1 / 2;
}

form.sign-up-form {
  opacity: 0;
  z-index: 1;
}

form.sign-in-form {
  z-index: 2;
}

.title {
  font-size: 2.7rem;
  color: #e9eeed;

  margin-bottom: 12px;
}

.input-field {
  max-width: 420px;
  width: 100%;
  background-color: #fff;
  margin: 10px 0;
  height: 55px;
  border-radius: 55px;
  display: grid;
  grid-template-columns: 15% 85%;
  padding: 0 0.4rem;
  position: relative;
}

.input-field i {
  text-align: center;
```

```
    line-height: 55px;
    color: #041e1f;
    transition: 0.5s;
    font-size: 1.1rem;
}

.input-field input {
    background: none;
    outline: none;
    border: none;
    line-height: 1;
    font-weight: 600;
    font-size: 1.1rem;
    color: #083841;
}

.input-field input::placeholder {
    color: #0e5953;
    font-weight: 400;
}

/* The message box is shown when the user clicks on the password field */
#message {
    display: none;
    background: #f1f1f1;
    color: #000;
    position: relative;
    padding: 20px;
    margin-top: 10px;
}

#message p {
    padding: 10px 25px;
    font-size: 11px;
}

/* Add a green text color and a checkmark when the requirements are right */
.valid {
    color: green;
}

.valid:before {
    position: relative;
```

```
    left: -35px;
}

/* Add a red text color and an "x" icon when the requirements are wrong */
.invalid {
    color: rgb(189, 27, 27);
}

.invalid:before {
    position: relative;
    left: -35px;
}

.forgot a{
    text-decoration: none;
    text-align: right;
}

.social-text {
    padding: 0.7rem 0;
    font-size: 1rem;
    color: #fff;
}

.social-media {
    display: flex;
    justify-content: center;
}

.social-icon {
    height: 40px;
    width: 40px;
    display: flex;
    justify-content: center;
    align-items: center;
    margin: 0 0.45rem;
    color: #031311;
    border-radius: 50%;
    border: 2px solid #04191b;
    text-decoration: none;
    font-size: 1.3rem;
    transition: 0.5s;
}

.social-icon:hover {
```

```

    color: #bcdbdb;
    border-color: #dee6e6;
    box-sizing: border-box;
    box-shadow: 0 0 3px #051d1d,
    0 0 25px #abc8c8, 0 0 50px #aecaca,
    0 0 100px #aec6c6, 0 0 150px #d5e4e4;
}

.btn {
    width: 150px;
    background-color: #072a2a;
    border: none;
    outline: none;
    height: 49px;
    border-radius: 49px;
    color: #e5f7f7;
    text-transform: uppercase;
    font-weight: 600;
    margin: 10px 0;
    cursor: pointer;
    transition: 0.5s;
}

.btn:hover {
    background-color: #040a0a;
    color: #d9ecec;
    box-shadow: 0 0 5px #051d1d,
    0 0 25px #abc8c8, 0 0 50px #aecaca,
    0 0 100px #aec6c6, 0 0 200px #d5e4e4;
}

.panels-container {
    position: absolute;
    height: 100%;
    width: 100%;
    top: 0;
    left: 0;
    display: grid;
    grid-template-columns: repeat(2, 1fr);
}

.container:before {
    content: "";
    position: absolute;
    height: 2000px;
    width: 2000px;

```

```

top: -10%;
right: 48%;
transform: translateY(-50%);
background-image: linear-gradient(-45deg, #050808 0%, #0c2b29 100%);
transition: 1.8s ease-in-out;
border-radius: 50%;
z-index: 6;
}

.image {
  image-orientation: flip;
  width: 90%;
  height: 70%;
  transition: transform 1.2s ease-in-out;
  transition-delay: 0.5s;
}

.panel {
  display: flex;
  flex-direction: column;
  align-items: flex-end;
  justify-content: space-around;
  text-align: center;
  z-index: 7;
}

.left-panel {
  pointer-events: all;
  padding: 6rem 19% 3rem 15%;
}

.right-panel {
  pointer-events: none;
  padding: 6rem 17% 4rem 15%;
}

.panel .content {
  color: #fff;
  transition: transform 0.9s ease-in-out;
  transition-delay: 0.6s;
}

.panel h3 {
  font-weight: 600;
  line-height: 1;
}

```



```

    font-size: 2.5rem;
    color: #fcffff;
}

.panel p {
    font-size: 0.95rem;
    padding: 0.8rem 0%;
    color: #fff;
}

.btn.transparent {
    margin: 0;
    background: none;
    border: 4px solid #d2dee0;
    width: 130px;
    height: 41px;
    font-weight: 600;
    font-size: 0.8rem;
}

.right-panel .image,
.right-panel .content {
    transform: translateX(800px);
}

/* ANIMATION */

.container.sign-up-mode:before {
    transform: translate(100%, -50%);
    right: 52%;
}

.container.sign-up-mode .left-panel .image,
.container.sign-up-mode .left-panel .content {
    transform: translateX(-800px);
}

.container.sign-up-mode .signin-signup {
    left: 25%;
}

.container.sign-up-mode form.sign-up-form {
    opacity: 1;
    z-index: 2;
}

```

```

.container.sign-up-mode form.sign-in-form {
  opacity: 0;
  z-index: 1;
}

.container.sign-up-mode .right-panel .image,
.container.sign-up-mode .right-panel .content {
  transform: translateX(0%);
}

.container.sign-up-mode .left-panel {
  pointer-events: none;
}

.container.sign-up-mode .right-panel {
  pointer-events: all;
}

@media (max-width: 870px) {
  .container {
    min-height: 800px;
    height: 100vh;
  }
  .signin-signup {
    width: 100%;
    top: 95%;
    transform: translate(-50%, -100%);
    transition: 1s 0.8s ease-in-out;
  }

  .signin-signup,
  .container.sign-up-mode .signin-signup {
    left: 50%;
  }

  .panels-container {
    grid-template-columns: 1fr;
    grid-template-rows: 1fr 2fr 1fr;
  }

  .panel {
    flex-direction: row;
    justify-content: space-around;
    align-items: center;
    padding: 2.5rem 8%;
  }

```

```
    grid-column: 1 / 2;
}

.right-panel {
  grid-row: 3 / 4;
}

.left-panel {
  grid-row: 1 / 2;
}

.image {
  width: 200px;
  transition: transform 0.9s ease-in-out;
  transition-delay: 0.6s;
}

.panel .content {
  padding-right: 15%;
  transition: transform 0.9s ease-in-out;
  transition-delay: 0.8s;
}

.panel h3 {
  font-size: 1.2rem;
}

.panel p {
  font-size: 0.7rem;
  padding: 0.5rem 0;
}

.btn.transparent {
  width: 110px;
  height: 35px;
  font-size: 0.7rem;
}

.container:before {
  width: 1500px;
  height: 1500px;
  transform: translateX(-50%);
  left: 30%;
  bottom: 68%;
  right: initial;
```

```

    top: initial;
    transition: 2s ease-in-out;
  }

  .container.sign-up-mode:before {
    transform: translate(-50%, 100%);
    bottom: 32%;
    right: initial;
  }

  .container.sign-up-mode .left-panel .image,
  .container.sign-up-mode .left-panel .content {
    transform: translateY(-300px);
  }

  .container.sign-up-mode .right-panel .image,
  .container.sign-up-mode .right-panel .content {
    transform: translateY(0px);
  }

  .right-panel .image,
  .right-panel .content {
    transform: translateY(300px);
  }

  .container.sign-up-mode .signin-signup {
    top: 5%;
    transform: translate(-50%, 0);
  }
}

@media (max-width: 570px) {
  form {
    padding: 0 1.5rem;
  }

  .image {
    display: none;
  }

  .panel .content {
    padding: 0.5rem 1rem;
  }

  .container {
    padding: 1.5rem;
  }
}

```

```

.container:before {
  bottom: 72%;
  left: 50%;
}

.container.sign-up-mode:before {
  bottom: 28%;
  left: 50%;
}
}

```

app.js:

```

const sign_in_btn = document.querySelector("#sign-in-btn");
const sign_up_btn = document.querySelector("#sign-up-btn");
const container = document.querySelector(".container");

sign_up_btn.addEventListener("click", () => {
  container.classList.add("sign-up-mode");
});

sign_in_btn.addEventListener("click", () => {
  container.classList.remove("sign-up-mode");
});

var myInput = document.getElementById("psw");
var letter = document.getElementById("letter");
var capital = document.getElementById("capital");
var number = document.getElementById("number");
var length = document.getElementById("length");

// When the user clicks on the password field, show the message box
myInput.onfocus = function() {
  document.getElementById("message").style.display = "block";
}

// When the user clicks outside of the password field, hide the message box
myInput.onblur = function() {
  document.getElementById("message").style.display = "none";
}

```

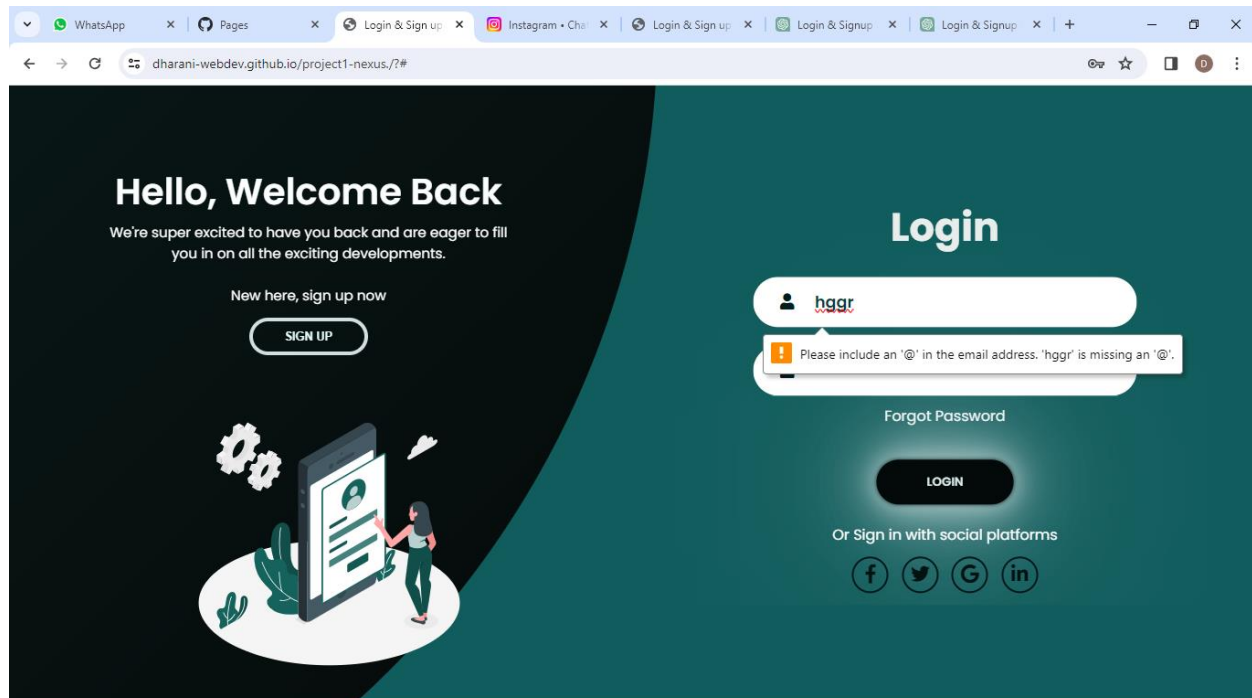
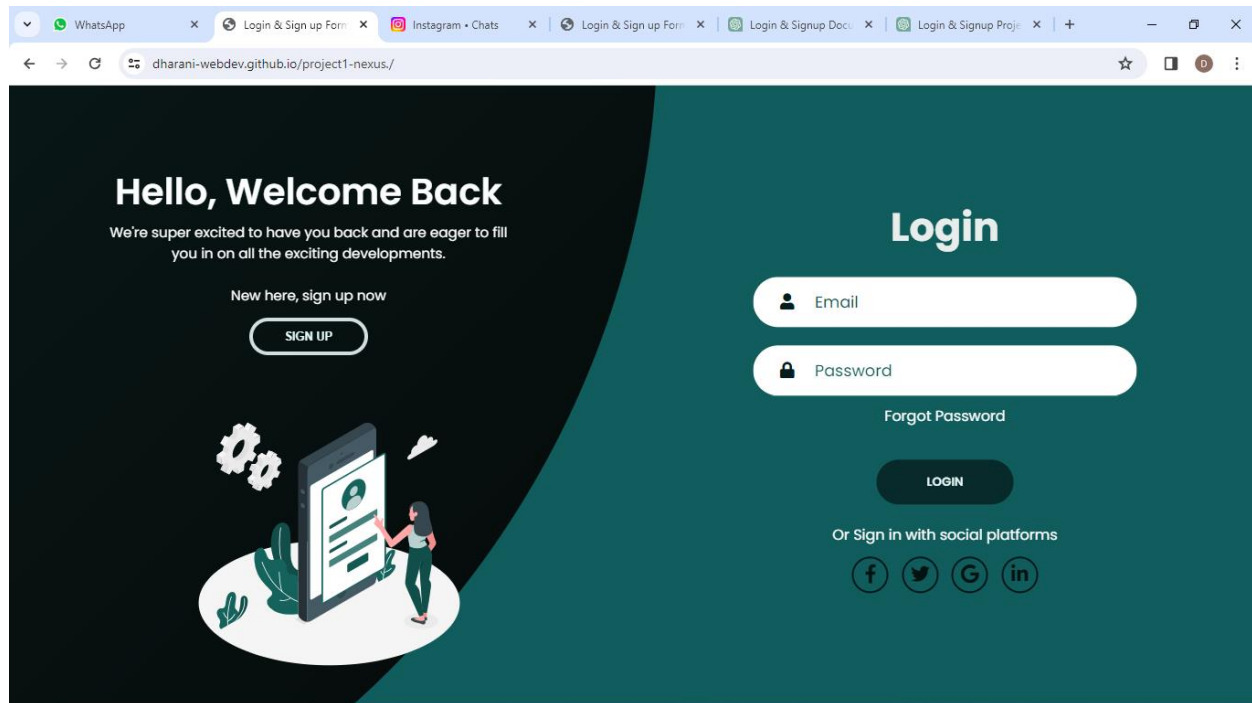
```
// When the user starts to type something inside the password field
myInput.onkeyup = function() {
  // Validate lowercase letters
  var lowerCaseLetters = /[a-z]/g;
  if(myInput.value.match(lowerCaseLetters)) {
    letter.classList.remove("invalid");
    letter.classList.add("valid");
  } else {
    letter.classList.remove("valid");
    letter.classList.add("invalid");
  }

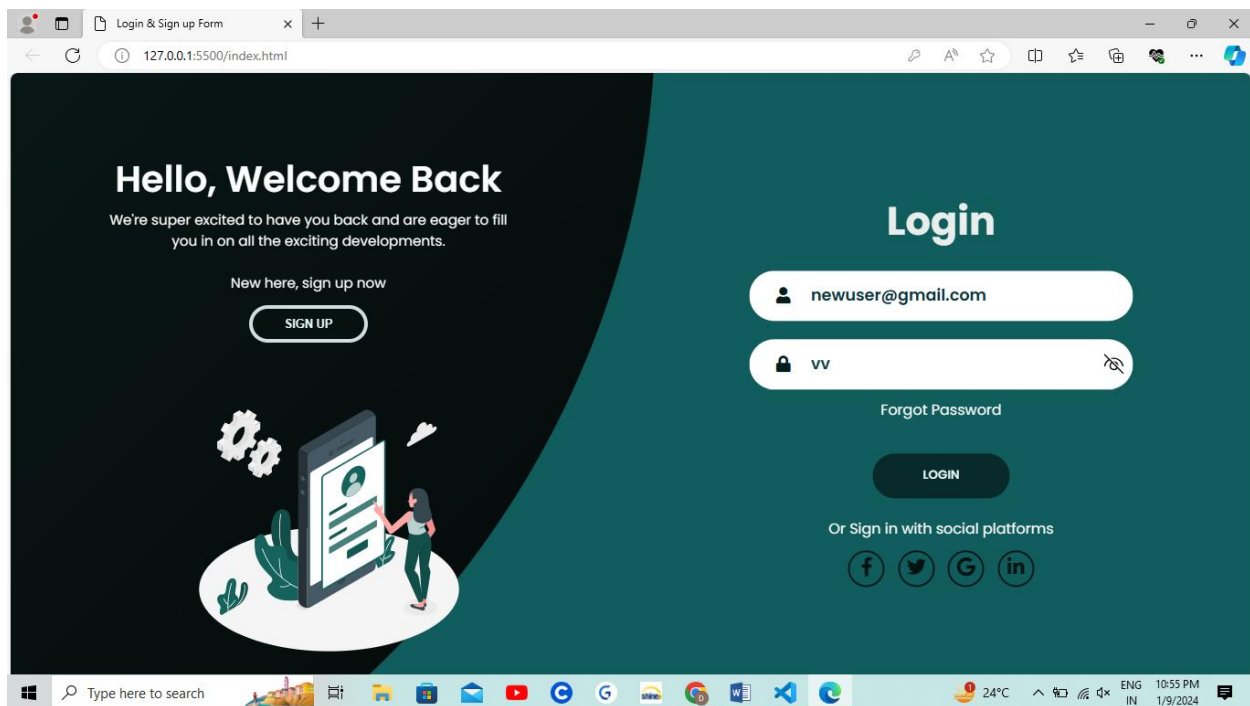
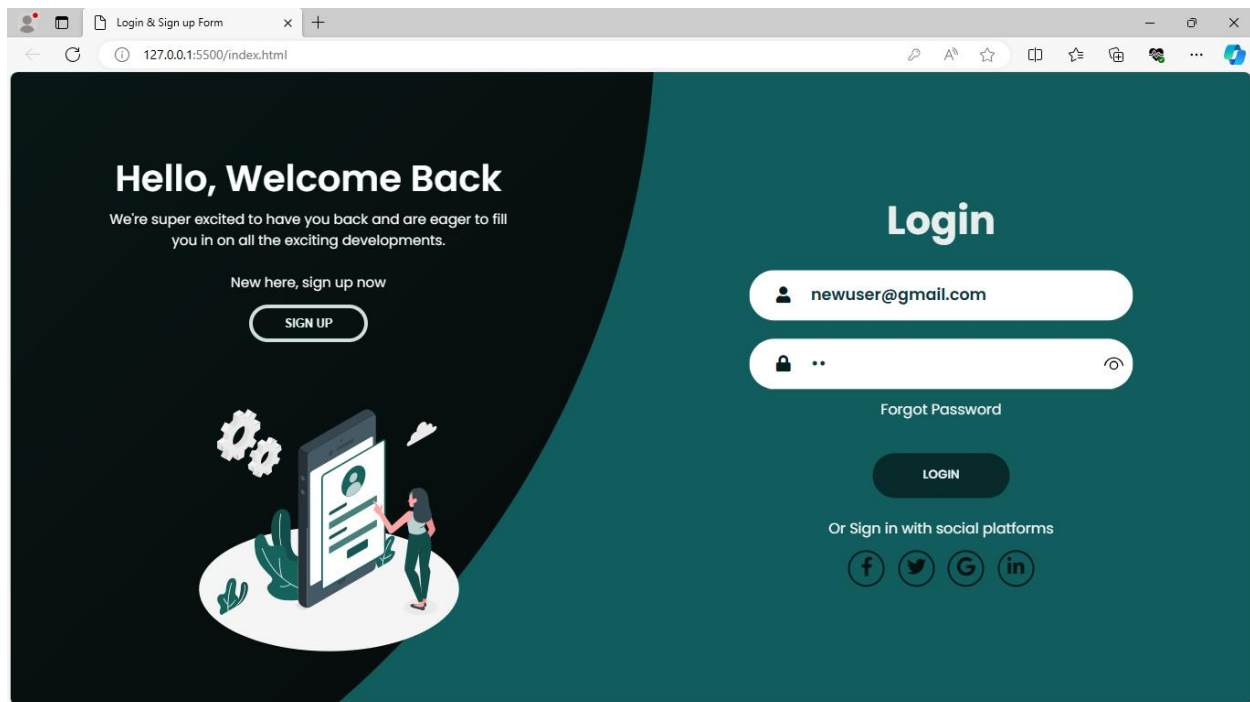
  // Validate capital letters
  var upperCaseLetters = /[A-Z]/g;
  if(myInput.value.match(upperCaseLetters)) {
    capital.classList.remove("invalid");
    capital.classList.add("valid");
  } else {
    capital.classList.remove("valid");
    capital.classList.add("invalid");
  }

  // Validate numbers
  var numbers = /[0-9]/g;
  if(myInput.value.match(numbers)) {
    number.classList.remove("invalid");
    number.classList.add("valid");
  } else {
    number.classList.remove("valid");
    number.classList.add("invalid");
  }

  // Validate length
  if(myInput.value.length >= 8) {
    length.classList.remove("invalid");
    length.classList.add("valid");
  } else {
    length.classList.remove("valid");
    length.classList.add("invalid");
  }
}
```

6.OUTPUT SCREENS





Browser: Login & Sign up Form | 127.0.0.1:5500/index.html

Sign Up

Username

Email

Password

SIGN UP

or Sign up with social platforms


f t G in

New here

I'm so glad that you decided to try out our site.

Already have an account

SIGN IN



Browser: Login & Sign up Form | 127.0.0.1:5500/index.html

Sign Up

hgt

newuser@gmail.com

Password

SIGN UP

or Sign up with social platforms

f t G in

Password must contain the following:


- A lowercase letter
- A capital (uppercase) letter
- A number
- Minimum 8 characters

New here

I'm so glad that you decided to try out our site.

Already have an account

SIGN IN



127.0.0.1:5500/index.html

Sign Up

hgt

newuser@gmail.com

gfdA234hu

Password must contain the following:

- A lowercase letter
- A capital (uppercase) letter
- A number
- Minimum 8 characters

SIGN UP

or Sign up with social platforms


f t G in

New here

I'm so glad that you decided to try out our site.

Already have an account

SIGN IN



7.CONCLUSION

In conclusion, the development of the Frontend Login and Signup Form project has laid the groundwork for a user-friendly and visually appealing experience. This project focused on creating a seamless interface for users to log in and sign up while maintaining a high standard of design and interactivity. The Frontend Login and Signup Form project serves as a foundation for creating a positive user experience during the authentication process. With a focus on design, responsiveness, and interactivity, the forms are well-positioned for further refinement and integration into a complete web application.