



VIT-AP UNIVERSITY

CSE1005 - SOFTWARE ENGINEERING

**COMPUTER SCIENCE AND
ENGINEERING**

TEAM MEMBERS:

U. SUSHMA – 21BCE9329

S. SUDEEPA – 21BCE9680

A. RAMA KRISHNA PRASAD – 21BCE7297

SAADUDDIN BAIG – 21BCE8455

GUIDE: PROF.VANKAYALAPATI RADHIKA

PERSONAL FINANCE MANAGEMENT SOFTWARE DEVELOPMENT

Introduction:

Personal finance management refers to the process of effectively managing and controlling one's finances to achieve financial goals and secure a stable financial future. It involves making informed decisions about spending, saving, investing, and budgeting to optimize financial resources and minimize financial stress. Proper personal finance management is essential for everyone, regardless of their income level, to attain financial security and independence.

Developing the website:

We have developed a website with the help of four modules concerning a Home Page, About Us, Contact Us, Login Pages.

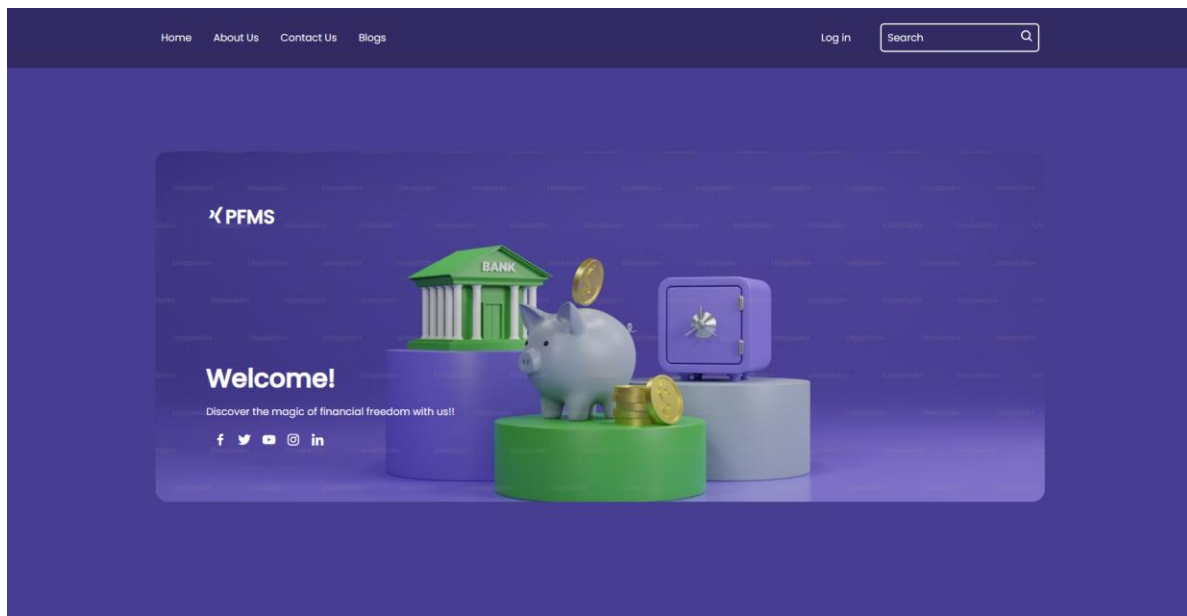
Getting to know about each section in detail:

1. Home Page:

After Login in the website, we are going to provide:

1. **Dashboard Summary:** A visual dashboard presenting a summary of your financial situation. This might include your current account balances, total assets, total liabilities, and net worth.
2. **Budget Overview:** A section displaying your budget details, such as the budgeted amount for each spending category and how much you have spent so far in each category.
3. **Expense Tracking:** A summary of your recent transactions and expenses, showing how much money you've spent and where it was spent.
4. **Income Tracking:** Information about your recent income sources and earnings, helping you understand how much money you've earned.
5. **Financial Goals:** A section dedicated to your financial goals, outlining your progress toward achieving them and suggesting actions to stay on track.
6. **Alerts and Notifications:** Important alerts, reminders, or notifications related to upcoming bills, budget limits, and other financial events.
7. **Savings Overview:** An overview of your savings progress, highlighting your savings accounts and any investment contributions.
8. **Suggestions and Insights:** Personalized insights and suggestions to improve your financial habits and achieve your financial goals faster.

Overview of Home page,



index.html

```
<? index.html > <? html > <? body > <? header.header > <? form.search-bar > <? button
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5    <meta charset="UTF-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>PFMS</title>
8    <link rel="stylesheet" href="index.css">
9    <link href="https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css" rel="stylesheet">
10  </head>
11
12  <body>
13    <!-- NAVBAR CREATION -->
14    <header class="header">
15      <nav class="navbar">
16        <a href="index.html">Home</a>
17        <a href="about.html">About Us</a>
18        <a href="contact.html">Contact Us</a>
19        <a href="/">Blogs</a>
20
21        <a class="right" href="login.html">Log in</a>
22      </nav>
23      <form action="" class="search-bar">
24        <input type="text" placeholder="Search">
25        <button><i class="bx bx-search"></i></button>
26      </form>
27    </header>
28  </body>
29  </html>
```

```
<? index.html > ...
28
29  <div class="background"></div>
30  <div class="container">
31    <div class="item">
32      <h2 class="logo"><i class="bx bx1-xing"></i>PFMS</h2>
33      <div class="text-item">
34        <h2>Welcome! <br><span>
35
36        </span></h2>
37        <p>Discover the magic of financial freedom with us!!</p>
38      <div class="social-icon">
39        <a href="/"><i class="bx bx1-facebook"></i></a>
40        <a href="/"><i class="bx bx1-twitter"></i></a>
41        <a href="/"><i class="bx bx1-youtube"></i></a>
42        <a href="/"><i class="bx bx1-instagram"></i></a>
43        <a href="/"><i class="bx bx1-linkedin"></i></a>
44      </div>
45    </div>
46  </div>
47
48  </div>
49
50  </body>
51
52  </html>
53
```

index.css

```
# index.css > ⚙️ .right
1  @import url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,300;0,400;0,500;1,500&display=swap');
2  *{
3      margin: 0;
4      padding: 0;
5      box-sizing: border-box;
6      font-family: "poppins", sans-serif;
7  }
8  body{
9      height: 70vh;
10     width: 100%;
11     background: #483e91;
12 }
13
14 .header{
15     position: fixed;
16     top: 0;
17     left: 0;
18     width: 100%;
19     padding: 25px 13%;
20     background: #312a63;
21     display: flex;
22     justify-content: space-between;
23     align-items: center;
24     z-index: 100;
25 }
26 }
```

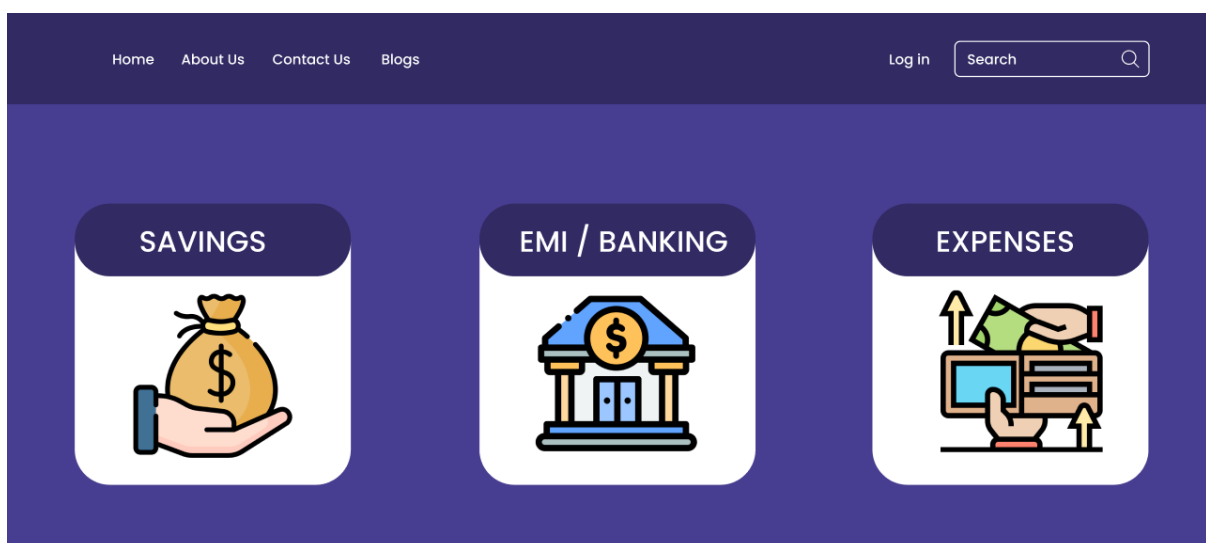
```
# index.css > ⚙️ .right
27 .navbar a{
28     position: relative;
29     font-size: 16px;
30     color: #fff;
31     margin-right: 30px;
32     text-decoration: none;
33 }
34
35 .right{
36     position: relative;
37     left: 140%;
38 }
39 .navbar a::after{
40     content: "";
41     position: absolute;
42     left: 0;
43     width: 100%;
44     height: 2px;
45     background: #fff;
46     bottom: -5px;
47     border-radius: 5px;
48     transform: translateY(10px);
49     opacity: 0;
50     transition: .5s ease;
51 }
52 .navbar a:hover::after{
53     transform: translateY(0);
54     opacity: 1;
55 }
```

```
56 .search-bar{
57     width: 250px;
58     height: 45px;
59     background-color: transparent;
60     border: 2px solid #fff;
61     border-radius: 6px;
62     display: flex;
63     align-items: center;
64 }
65 .search-bar input{
66     width: 100%;
67     background-color: transparent;
68     border: none;
69     outline: none;
70     color: #fff;
71     font-size: 16px;
72     padding-left: 10px;
73 }
74 .search-bar button{
75     width: 40px;
76     height: 100%;
77     background: transparent;
78     outline: none;
79     border: none;
80     color: #fff;
81     cursor: pointer;
82 }
83 .search-bar input::placeholder{
84     color: #fff;
85 }
```

```
# index.css > $$.right
86 .search-bar button i{
87   font-size: 22px;
88 }
89 .container{
90   position: absolute;
91   left: 50%;
92   top: 50%;
93   transform: translate(-50%,-50%);
94   width: 75%;
95   height: 550px;
96   margin-top: 20px;
97   background: url(bg1.jpg) no-repeat;
98   background-position: center;
99   background-size: cover ;
100  border-radius: 20px;
101  overflow: hidden;
102
103
104 }
105 .item{
106   position: absolute;
107   top: 0;
108   left: 0;
109   width: 58%;
110   height: 100%;
111   color: #fff;
112   background: transparent;
113   padding: 80px;
114   display: flex;
115   justify-content: space-between;
116   flex-direction: column;
```

```
# index.css > ...
119 .item .logo{
120   color: #fff;
121   font-size: 30px;
122 }
123
124 .text-item h2{
125   font-size: 40px;
126   line-height: 1;
127 }
128 .text-item p{
129   font-size: 16px;
130   margin: 20px 0;
131 }
132 .social-icon a i{
133   color: #fff;
134   font-size: 24px;
135   margin-left: 10px;
136   cursor: pointer;
137   transition: .5s ease;
138 }
139 .social-icon a: hover i{
140   transform: scale(1.2);
141 }
142
```

As we need to provide credit card/any other banking card details after signing in we will be getting an interface similar to the given below image. We haven't updated these as it involves backend work.



2. About Us:

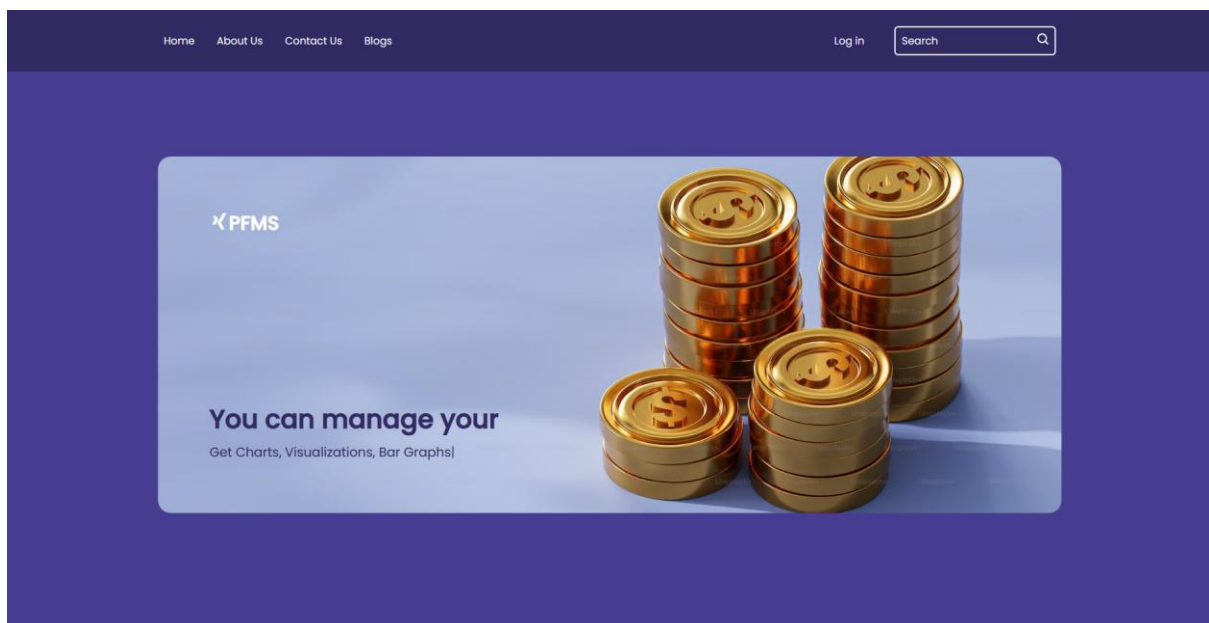
1.Team Overview: A brief introduction to the team responsible for developing the software. We are planning to include details about the founders, key team members, and their expertise in the finance or technology industry.

2.Mission and Vision: The app's overall mission and vision statement, which outlines the core purpose and long-term goals of the app.

3.Security and Privacy: Information on the app's security measures and commitment to safeguarding user data and privacy.

4.Company History: We are planning provide a brief history of the company's journey, including its founding date and significant milestones in further deployment of the project.

Overview of About Us,



about.html :

```
<? about.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>PFMS</title>
8      <link rel="stylesheet" href="about.css">
9      <link href="https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css" rel="stylesheet">
10 </head>
11
12 <body>
13     <!-- NAVBAR CREATION -->
14     <header class="header">
15         <nav class="navbar">
16             <a href="index.html">Home</a>
17             <a href="about.html">About Us</a>
18             <a href="contact.html">Contact Us</a>
19             <a href="/">Blogs</a>
20
21             <a class="right" href="login.html">Log in</a>
22         </nav>
23         <form action="" class="search-bar">
24             <input type="text" placeholder="Search">
25             <button><i class='bx bx-search'></i></button>
26         </form>
27     </header>
```

```

<> about.html > ...
27 |     </form>
28 | </header>
29 |
30 | <div class="background"></div>
31 | <div class="container">
32 |   <div class="item">
33 |     <h2 class="logo"><i class='bx bx1-xing'></i>PFMS</h2>
34 |     <div class="text-item">
35 |       <h2>You can manage your<br></h2>
36 |       <span id="element"></span>
37 |     </div>
38 |   </div>
39 |
40 | </div>
41 |
42 | <footer>
43 |
44 | </footer>
45 | <script src="https://unpkg.com/typed.js@2.0.16/dist/typed.umd.js"></script>
46 |
47 | <script>
48 |   var typed = new Typed('#element', {
49 |     strings: ['Savings', 'Expenses', 'Get Charts, Visualizations, Bar Graphs'],
50 |     typeSpeed: 50,
51 |   });
52 | </script>
53 |
54 | </body>
55 |
56 | </html>
57 |

```

about.css :

```

# about.css > ...
1 | @import url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,300;0,400;0,500;1,500&display=swap');
2 |
3 | *{
4 |   margin: 0;
5 |   padding: 0;
6 |   box-sizing: border-box;
7 |   font-family: "poppins", sans-serif;
8 | }
9 | body{
10 |   height: 70vh;
11 |   width: 100%;
12 |   background: #483e91;
13 | }
14 | .header{
15 |   position: fixed;
16 |   top: 0;
17 |   left: 0;
18 |   width: 100%;
19 |   padding: 25px 13%;
20 |   background: #312a63;
21 |   display: flex;
22 |   justify-content: space-between;
23 |   align-items: center;
24 |   z-index: 100;
25 |
26 | }

```

```

27 | .navbar a{
28 |   position: relative;
29 |   font-size: 16px;
30 |   color: #fff;
31 |   margin-right: 30px;
32 |   text-decoration: none;
33 | }
34 |
35 | .right{
36 |   position: relative;
37 |   left: 140%;
38 | }
39 | .navbar a::after{
40 |   content: "";
41 |   position: absolute;
42 |   left: 0;
43 |   width: 100%;
44 |   height: 2px;
45 |   background: #fff;
46 |   bottom: -5px;
47 |   border-radius: 5px;
48 |   transform: translateY(10px);
49 |   opacity: 0;
50 |   transition: .5s ease;
51 | }
52 | .navbar a:hover::after{
53 |   transform: translateY(0);
54 |   opacity: 1;
55 | }

```

```
# about.css > ...
56 .search-bar{
57     width: 250px;
58     height: 45px;
59     background-color: transparent;
60     border: 2px solid #fff;
61     border-radius: 6px;
62     display: flex;
63     align-items: center;
64 }
65 .search-bar input{
66     width: 100%;
67     background-color: transparent;
68     border: none;
69     outline: none;
70     color: #fff;
71     font-size: 16px;
72     padding-left: 10px;
73 }
74 .search-bar button{
75     width: 40px;
76     height: 100%;
77     background: transparent;
78     outline: none;
79     border: none;
80     color: #fff;
81     cursor: pointer;
82 }
83 .search-bar input::placeholder{
84     color: #fff;
85 }
```

```
# about.css > ...
86 .search-bar button i{
87     font-size: 22px;
88 }
89 .container{
90     position: absolute;
91     left: 50%;
92     top: 50%;
93     transform: translate(-50%,-50%);
94     width: 75%;
95     height: 550px;
96     margin-top: 20px;
97     background: url(bg.jpg) no-repeat;
98     background-position: center;
99     background-size: cover ;
100     border-radius: 20px;
101     overflow: hidden;
102 }
103 }
104 }
105 .item{
106     position: absolute;
107     top: 0;
108     left: 0;
109     width: 58%;
110     height: 100%;
111     color: #fff;
112     background: transparent;
113     padding: 80px;
114     display: flex;
115     justify-content: space-between;
116     flex-direction: column;
```

```
# about.css > ...
111     color: #fff;
112     background: transparent;
113     padding: 80px;
114     display: flex;
115     justify-content: space-between;
116     flex-direction: column;
117 }
118 }
119 .item .logo{
120     color: #fff;
121     font-size: 30px;
122 }
123 }
124 .text-item h2{
125     font-size: 40px;
126     line-height: 2;
127     color: #312a63;
128 }
129 }
130 .text-item span{
131     font-size: 20px;
132     line-height: 1;
133     color: #312a63;
134 }
135 }
```


3. Contact Us:

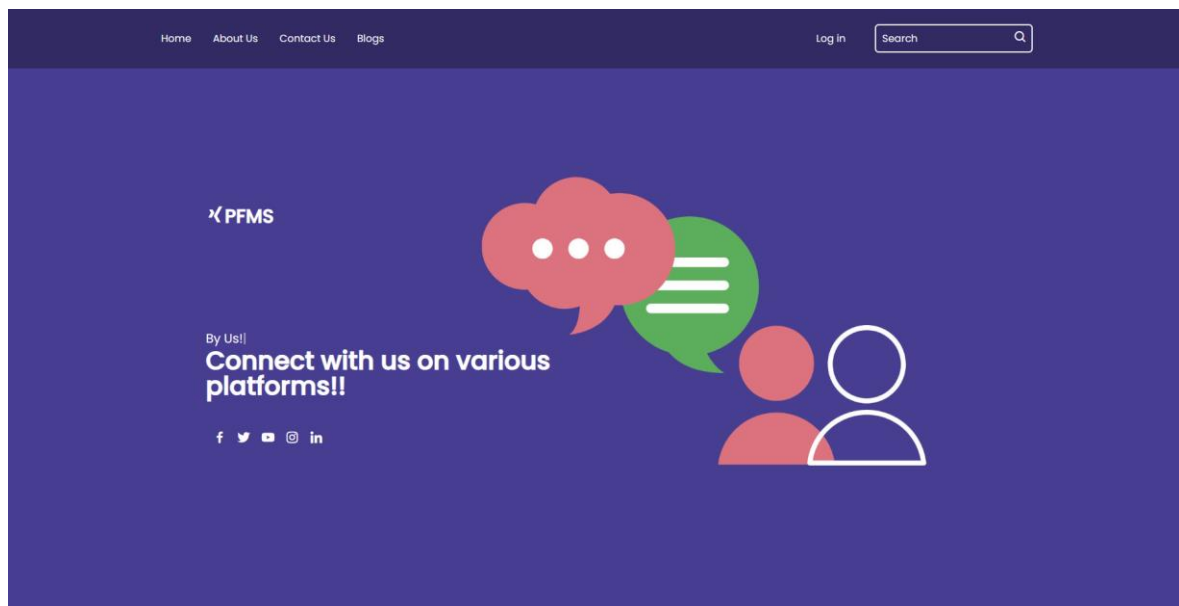
1. Contact Information: This section will include relevant contact details such as the software's customer support email address, phone number (if provided), and physical address (if the company has a physical office).

2. Live Chat Support: We are planning to provide a live chat feature that allows users to chat with a customer support representative in real-time to get immediate help and answers to their questions. In conclusion we are going to develop a chatbot in further development of the project

3. Social Media Links: Links to the app's official social media profiles, where users can engage with the company, ask questions, or seek assistance.

4. FAQ Section: Includes a frequently asked questions (FAQ) section that addresses common user inquiries and issues. This can be helpful for users who prefer self-help before reaching out to support.

Overview of the Contact Us section,



contact.html :

```
contact.html > html > body > header.header > nav.navbar
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5    <meta charset="UTF-8">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>PFMS</title>
8    <link rel="stylesheet" href="contact.css">
9    <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel="stylesheet">
10  </head>
11
12  <body>
13    <!-- NAVBAR CREATION -->
14    <header class="header">
15      <nav class="navbar">
16        <a href="index.html">Home</a>
17        <a href="about.html">About Us</a>
18        <a href="contact.html">Contact Us</a>
19        <a href="/">Blogs</a>
20
21
22        <a class="right" href="login.html">Log in</a>
23      </nav>
24      <form action="" class="search-bar">
25        <input type="text" placeholder="Search">
26        <button><i class="bx bx-search"></i></button>
27      </form>
28    </header>
29
```

```
contact.html > html > body
30  <div class="background"></div>
31  <div class="container">
32    <div class="item">
33      <h2 class="logo"><i class="bx bxl-xing"></i>PFMS</h2>
34      <div class="text-item">
35        <span id="element"></span><br>
36        <h2>Connect with us on various platforms!!</h2><br><br>
37
38        <div class="social-icon">
39          <a href="/"><i class="bx bxl-facebook"></i></a>
40          <a href="/"><i class="bx bxl-twitter"></i></a>
41          <a href="/"><i class="bx bxl-youtube"></i></a>
42          <a href="/"><i class="bx bxl-instagram"></i></a>
43          <a href="/"><i class="bx bxl-linkedin"></i></a>
44        </div>
45      </div>
46    </div>
47
48  </div>
49
50  <script src="https://unpkg.com/typed.js@2.0.16/dist/typed.umd.js"></script>
51
52  <script>
53    var typed = new Typed('#element', {
54      strings: ['For You', 'By Us!'],
55      typeSpeed: 50,
56    });
57  </script>
58
59 </body>
60 </html>
```

contact.css :

```
# contact.css > ...
1  @import url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,300;0,400;0,500;1,500&display=swap');
2  *{
3    margin: 0;
4    padding: 0;
5    box-sizing: border-box;
6    font-family: "poppins", sans-serif;
7  }
8  body{
9    height: 70vh;
10   width: 100%;
11   background: #483e91;
12 }
13
14 .header{
15   position: fixed;
16   top: 0;
17   left: 0;
18   width: 100%;
19   padding: 25px 13%;
20   background: #312a63;
21   display: flex;
22   justify-content: space-between;
23   align-items: center;
24   z-index: 100;
25
26 }
```

```
# contact.css > ...
27 .navbar a{
28     position: relative;
29     font-size: 16px;
30     color: #fff;
31     margin-right: 30px;
32     text-decoration: none;
33 }
34
35 .right{
36     position: relative;
37     left: 140%;
38 }
39 .navbar a::after{
40     content: "";
41     position: absolute;
42     left: 0;
43     width: 100%;
44     height: 2px;
45     background: #fff;
46     bottom: -5px;
47     border-radius: 5px;
48     transform: translateY(10px);
49     opacity: 0;
50     transition: .5s ease;
51 }
52 .navbar a:hover::after{
53     transform: translateY(0);
54     opacity: 1;
55 }
```

```
# contact.css > ...
56 v .search-bar{
57     width: 250px;
58     height: 45px;
59     background-color: transparent;
60     border: 2px solid #fff;
61     border-radius: 6px;
62     display: flex;
63     align-items: center;
64 }
65 v .search-bar input{
66     width: 100%;
67     background-color: transparent;
68     border: none;
69     outline: none;
70     color: #fff;
71     font-size: 16px;
72     padding-left: 10px;
73 }
74 v .search-bar button{
75     width: 40px;
76     height: 100%;
77     background: transparent;
78     outline: none;
79     border: none;
80     color: #fff;
81     cursor: pointer;
82 }
83 v .search-bar input::placeholder{
84     color: #fff;
85 }
```

```

# contact.css > ...
86 .search-bar button i{
87     font-size: 22px;
88 }
89 .container{
90     position: absolute;
91     left: 50%;
92     top: 50%;
93     transform: translate(-50%,-50%);
94     width: 75%;
95     height: 550px;
96     margin-top: 20px;
97     background: url(contact.jpg) no-repeat;
98     background-position: center;
99     background-size: cover ;
100     border-radius: 20px;
101     overflow: hidden;
102
103 }
104
105 .item{
106     position: absolute;
107     top: 0;
108     left: 0;
109     width: 58%;
110     height: 100%;
111     color: #ffff;
112     background: transparent;
113     padding: 80px;
114     display: flex;
115     justify-content: space-between;
116     flex-direction: column;

```

```

# contact.css > ...
117
118 }
119
120 .item .logo{
121     color: #ffff;
122     font-size: 30px;
123 }
124
125 .text-item h2{
126     font-size: 40px;
127     line-height: 1;
128     color: white;
129 }
130
131 .text-item span{
132     font-size: 20px;
133     color: #ffff;
134 }
135
136 .social-icon a i{
137     color: #ffff;
138     font-size: 24px;
139     margin-left: 10px;
140     cursor: pointer;
141     transition: .5s ease;
142 }
143
144 .social-icon a:hover i{
145     transform: scale(1.2);
146 }

```

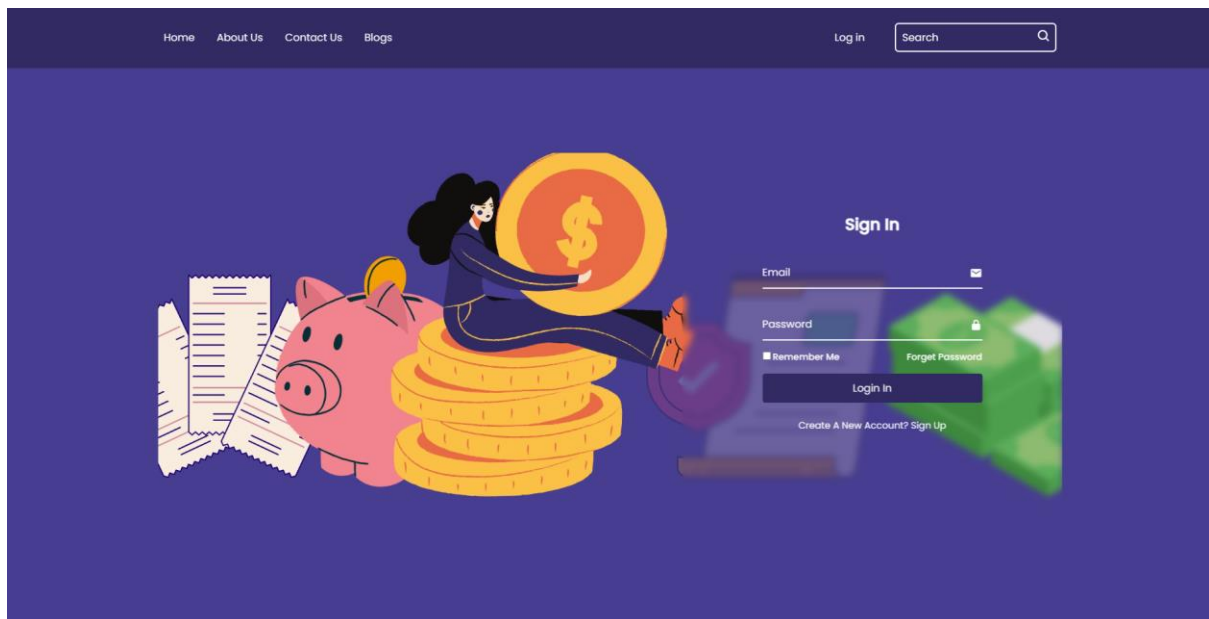
4. Login:

1. Username/Email and Password: To log in, users need to provide their registered username (which can be an email address while Sign in / username and email address while sign up) and a password. These credentials are unique to each user and are set during the account registration process.

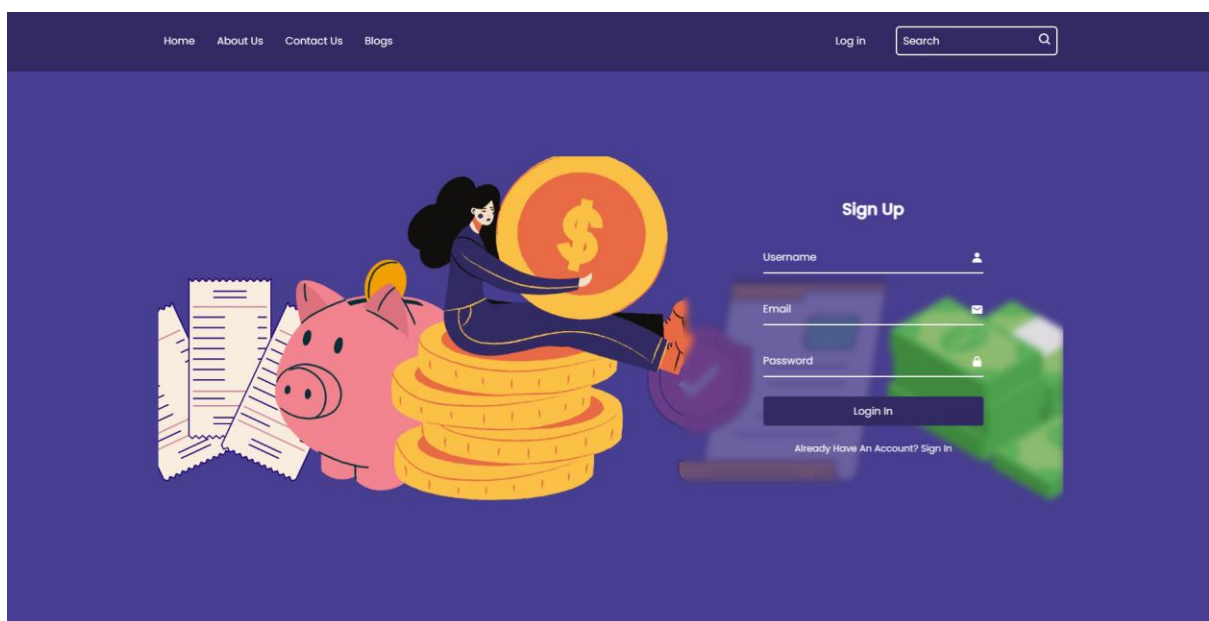
2. Forgot Password: In case a user forgets their password, there is usually a "Forgot Password" link or option that allows them to reset their password by following a secure verification process, often involving email or phone verification.

Overview of Login page,

Sign In: If the user already has an account



Sign Up: If the user is new to the website



login.html :

```
<? login.html > <html> <body> <script>
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5 <title>PFMS</title>
6 <link rel="stylesheet" href="login.css">
7 <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
8 </head>
9
10 <body>
11 <!-- NAVBAR CREATION -->
12 <header class="header">
13 <nav class="navbar">
14 <a href="index.html">Home</a>
15 <a href="about.html">About Us</a>
16 <a href="contact.html">Contact Us</a>
17 <a href="/">Blogs</a>
18
19
20 <a class="right" href="login.html">Log in</a>
21 </nav>
22 <form action="" class="search-bar">
23 <input type="text" placeholder="Search">
24 <button<i class='bx bx-search'></i></button>
25 </form>
26 </header>
```

```
<? login.html > <html> <body> <script>
27 <!-- LOGIN FORM CREATION -->
28 <div class="background"></div>
29 <div class="container">
30
31 <div class="login-section">
32 <div class="form-box login">
33 <form action="">
34 <h2>Sign In</h2>
35 <div class="input-box">
36 <span class="icon"><i class='bx bxs-envelope'></i></span>
37 <input type="email" required>
38 <label>Email</label>
39 </div>
40 <div class="input-box">
41 <span class="icon"><i class='bx bxs-lock-alt'></i></span>
42 <input type="password" required>
43 <label>Password</label>
44 </div>
45 <div class="remember-password">
46 <label for=""><input type="checkbox">Remember Me</label>
47 <a href="/">Forget Password</a>
48 </div>
49 <button class="btn">Login In</button>
50 <div class="create-account">
51 <p>Create A New Account? <a href="/" class="register-link">Sign Up</a></p>
52 </div>
53 </form>
54 </div>
```

```
<? login.html > <html> <body> <script>
55 <div class="form-box register">
56 <form action="">
57
58 <h2>Sign Up</h2>
59
60 <div class="input-box">
61 <span class="icon"><i class='bx bxs-user'></i></span>
62 <input type="text" required>
63 <label>Username</label>
64 </div>
65 <div class="input-box">
66 <span class="icon"><i class='bx bxs-envelope'></i></span>
67 <input type="email" required>
68 <label>Email</label>
69 </div>
70 <div class="input-box">
71 <span class="icon"><i class='bx bxs-lock-alt'></i></span>
72 <input type="password" required>
73 <label>Password</label>
74 </div>
75 <div class="remember-password">
76
77 </div>
78 <button class="btn">Login In</button>
79 <div class="create-account">
80 <p>Already Have An Account? <a href="/" class="login-link">Sign In</a></p>
81 </div>
82 </form>
83 </div>
84 </div>
85 </div>
```

```

login.html > html > body > script
86 <!-- SIGN UP FORM CREATION -->
87
88 <script src="login.js"></script>
89
90 <!-- Add the following script at the end of your HTML file, just before the closing </body> tag. -->
91
92 <script>
93     document.addEventListener("DOMContentLoaded", function () {
94         const loginForm = document.querySelector(".form-box.login form");
95         const signUpForm = document.querySelector(".form-box.register form");
96
97         // Function to validate email format
98         function isValidEmail(email) {
99             const emailRegex = /^[^s@]+@[^s@]+\.[^s@]+$/;
100             return emailRegex.test(email);
101         }
102
103         // Function to validate password
104         function isValidPassword(password) {
105             // You can add your own password validation rules here
106             return password.length >= 6;
107         }
108
109         // Function to validate username (should contain only characters)
110         function isValidUsername(username) {
111             const usernameRegex = /^[a-zA-Z]+$/;
112             return usernameRegex.test(username);
113         }
114

```

```

login.html > html > body > script
114
115     // Function to display error message
116     function displayErrorMessage(inputElement, message) {
117         const errorMessageElement = document.createElement("span");
118         errorMessageElement.className = "error-message";
119         errorMessageElement.textContent = message;
120
121         const parentElement = inputElement.parentElement;
122         parentElement.appendChild(errorMessageElement);
123
124         inputElement.classList.add("error");
125     }
126
127     // Function to remove error message
128     function removeErrorMessage(inputElement) {
129         const parentElement = inputElement.parentElement;
130         const errorMessageElement = parentElement.querySelector(".error-message");
131         if (errorMessageElement) {
132             parentElement.removeChild(errorMessageElement);
133         }
134
135         inputElement.classList.remove("error");
136     }
137

```

```

login.html > html > body > script
148
149     if (!isValidEmail(email)) {
150         displayErrorMessage(emailInput, "Please enter a valid email address.");
151         return;
152     } else {
153         removeErrorMessage(emailInput);
154     }
155
156     if (!isValidPassword(password)) {
157         displayErrorMessage(passwordInput, "Password should be at least 6 characters long.");
158         return;
159     } else {
160         removeErrorMessage(passwordInput);
161     }
162
163     // Perform login process here
164     // For example, you can submit the form data to the server using AJAX
165
166     // Clear the form after successful login
167     emailInput.value = "";
168     passwordInput.value = "";
169     rememberCheckbox.checked = false;
170 }

```

```

login.html > html > body > script
171
172     signUpForm.addEventListener("submit", function (event) {
173         event.preventDefault();
174         const usernameInput = signUpForm.querySelector("input[type='text']");
175         const emailInput = signUpForm.querySelector("input[type='email']");
176         const passwordInput = signUpForm.querySelector("input[type='password']");
177
178         const username = usernameInput.value.trim();
179         const email = emailInput.value.trim();
180         const password = passwordInput.value.trim();
181
182         if (!isValidUsername(username)) {
183             displayErrorMessage(usernameInput, "Username should contain only characters.");
184             return;
185         } else {
186             removeErrorMessage(usernameInput);
187         }
188
189         if (!isValidEmail(email)) {
190             displayErrorMessage(emailInput, "Please enter a valid email address.");
191             return;
192         } else {
193             removeErrorMessage(emailInput);
194         }
195
196         if (!isValidPassword(password)) {
197             displayErrorMessage(passwordInput, "Password should be at least 6 characters long.");
198             return;
199         } else {
200             removeErrorMessage(passwordInput);
201         }


```


```

login.html > html > body > script
191         return;
192     } else {
193         removeErrorMessage(emailInput);
194     }
195
196     if (!isValidPassword(password)) {
197         displayErrorMessage(passwordInput, "Password should be at least 6 characters long.");
198         return;
199     } else {
200         removeErrorMessage(passwordInput);
201     }
202
203     // Perform sign up process here
204     // For example, you can submit the form data to the server using AJAX
205
206     // Clear the form after successful sign up
207     usernameInput.value = "";
208     emailInput.value = "";
209     passwordInput.value = "";
210 });
211 });
212 </script>
213 </body>
214
215 </html>

```


login.css :

```
# login.css >  .error-message
1  @import url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,300;0,400;0,500;1,500&display=swap');
2
3  *{
4      margin: 0;
5      padding: 0;
6      box-sizing: border-box;
7      font-family: "poppins", sans-serif;
8  }
9  body{
10     height: 100vh;
11     width: 100%;
12     background: #483e91;
13 }
14 .header{
15     position: fixed;
16     top: 0;
17     left: 0;
18     width: 100%;
19     padding: 25px 13%;
20     background: #312a63;
21     display: flex;
22     justify-content: space-between;
23     align-items: center;
24     z-index: 100;
25 }
26 .navbar a{
27     position: relative;
28     font-size: 16px;
29     color: #fff;
30     margin-right: 30px;
31     text-decoration: none;
```

```
# login.css >  .error-message
34 .right{
35     position: relative;
36     left: 140%;
37 }
38 .navbar a::after{
39     content: "";
40     position: absolute;
41     left: 0;
42     width: 100%;
43     height: 2px;
44     background: #fff;
45     bottom: -5px;
46     border-radius: 5px;
47     transform: translateY(10px);
48     opacity: 0;
49     transition: .5s ease;
50 }
51 .navbar a:hover::after{
52     transform: translateY(0);
53     opacity: 1;
54 }
55 .search-bar{
56     width: 250px;
57     height: 45px;
58     background-color: transparent;
59     border: 2px solid #fff;
60     border-radius: 6px;
61     display: flex;
62     align-items: center;
63 }
```

```
# login.css > ❏ .error-message
64 .search-bar input{
65     width: 100%;
66     background-color: transparent;
67     border: none;
68     outline: none;
69     color: #fff;
70     font-size: 16px;
71     padding-left: 10px;
72 }
73 .search-bar button{
74     width: 40px;
75     height: 100%;
76     background: transparent;
77     outline: none;
78     border: none;
79     color: #fff;
80     cursor: pointer;
81 }
82 .search-bar input::placeholder{
83     color: #fff;
84 }
85 .search-bar button i{
86     font-size: 22px;
87 }
```

```
# login.css > ❏ .error-message
88 .container{
89     position: absolute;
90     left: 50%;
91     top: 50%;
92     transform: translate(-50%,-50%);
93     width: 75%;
94     height: 550px;
95     margin-top: 20px;
96     background: url(body1.jpg) no-repeat;
97     background-position: center;
98     background-size: cover ;
99     border-radius: 20px;
100    overflow: hidden;
101 }
102
103 .item{
104     position: absolute;
105     top: 0;
106     left: 0;
107     width: 58%;
108     height: 100%;
109     color: #fff;
110     background: transparent;
111     padding: 80px;
112     display: flex;
113     justify-content: space-between;
114     flex-direction: column;
115 }
116 }
```

```
# login.css > ❏ .error-message
117 .item .logo{
118     color: #fff;
119     font-size: 30px;
120 }
121
122 .text-item h2{
123     font-size: 40px;
124     line-height: 1;
125 }
126 .text-item p{
127     font-size: 16px;
128     margin: 20px 0;
129 }
130 .social-icon a i{
131     color: #fff;
132     font-size: 24px;
133     margin-left: 10px;
134     cursor: pointer;
135     transition: .5s ease;
136 }
137 .social-icon a:hover i{
138     transform: scale(1.2);
139 }
140 .container .login-section{
141     position: absolute;
142     top: 0;
143     right: 0;
144     width: calc(100% - 58%);
145     height: 100%;
146     color: #fff;
147     backdrop-filter: blur(5px);
148 }
```

```
# login.css > 🐞 .error-message
150 .login-section .form-box{
151     position: absolute;
152     display: flex;
153     justify-content: center;
154     align-items: center;
155     width: 100%;
156     height: 100%;
157 }
158
159 .login-section .form-box.register{
160     transform: translateX(500px);
161     transition-delay: 0s;
162 }
163 .login-section.active .form-box.register{
164     transform: translateX(0px);
165     transition-delay: 0.3s;
166 }
167
168 .login-section .form-box.login{
169     transform: translateX(0px);
170     transition-delay: 0.3s;
171 }
172 .login-section.active .form-box.login{
173     transform: translateX(500px);
174     transition-delay: 0s;
175 }
176
177 .login-section .form-box h2{
178     text-align: center;
179     font-size: 25px;
180 }
```

```
# login.css > 🐞 .error-message
181
182 .form-box .input-box{
183     width: 340px;
184     height: 50px;
185     border-bottom: 2px solid #fff;
186     margin: 30px 0;
187     position: relative;
188 }
189 .input-box input{
190     width: 100%;
191     height: 100%;
192     background: transparent;
193     border: none;
194     outline: none;
195     font-size: 16px;
196     padding-right: 28px;
197 }
198 .input-box label{
199     position: absolute;
200     top: 50%;
201     left: 0;
202     transform: translateY(-50%);
203     font-size: 16px;
204     font-weight: 600px;
205     pointer-events: none;
206     transition: .5s ease;
207
208 }
```

```
# login.css > .error-message
209 .input-box .icon{
210     position: absolute;
211     top: 13px;
212     right: 0;
213     font-size: 19px;
214 }
215 .input-box input:focus~ label,
216 .input-box input:valid~ label{
217     top: -5px;
218 }
219 .remember-password{
220     font-size: 14px;
221     font-weight: 500;
222     margin: -15px 0 15px ;
223     display: flex;
224     justify-content: space-between;
225 }
226 .remember-password label input{
227     accent-color: #ffff;
228     margin-right: 3px;
229 }
230 }
231 .remember-password a{
232     color: #ffff;
233     text-decoration: none;
234 }
235 .remember-password a:hover{
236     text-decoration: underline;
237 }
```

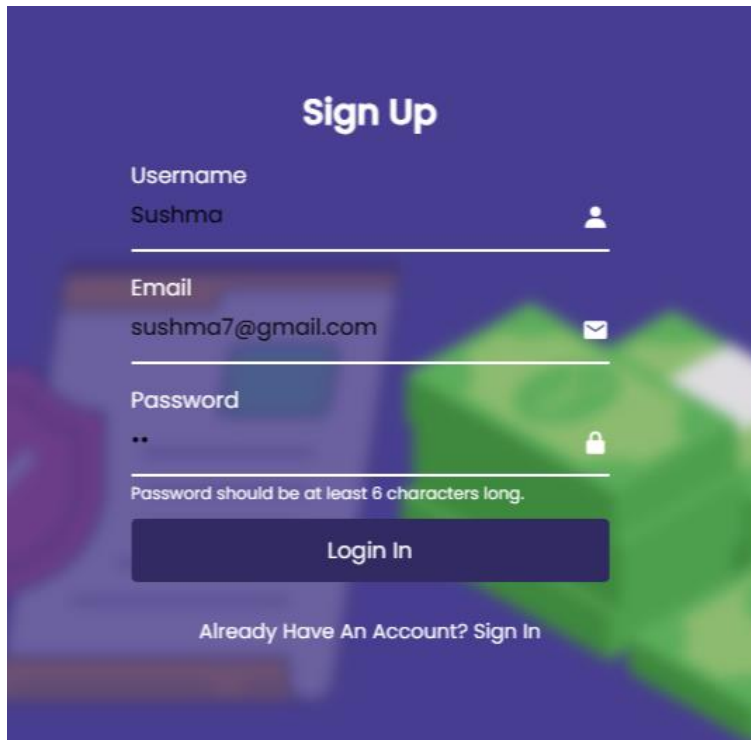
```
# login.css > .create-account p a:hover
238 .btn{
239     background: #ffff;
240     width: 100%;
241     height: 45px;
242     outline: none;
243     border: none;
244     border-radius: 4px;
245     cursor: pointer;
246     background: #312a63;
247     font-size: 16px;
248     color: #ffff;
249     box-shadow: rgba(0,0,0,0.4);
250 }
251 }
252 .create-account{
253     font-size: 14.5px;
254     text-align: center;
255     margin: 25px;
256 }
257 .create-account p a{
258     color: #ffff;
259     font-weight: 600px;
260     text-decoration: none;
261 }
262 .create-account p a:hover{
263     text-decoration: underline;
264 }
265 .error-message {
266     font-size: 12px;
267     color: #ffff;
268 }
```

login.js :

```
JS login.js > ...
1  const loginsec = document.querySelector('.login-section');
2  const loginlink = document.querySelector('.login-link');
3  const registerlink = document.querySelector('.register-link');
4  const signupbtn = document.querySelector('.signup-btn');
5
6  registerlink.addEventListener('click', (event) => {
7      event.preventDefault(); // Prevent the default behavior of the anchor tag
8      loginsec.classList.add('active');
9  });
10
11  loginlink.addEventListener('click', (event) => {
12      event.preventDefault(); // Prevent the default behavior of the anchor tag
13      loginsec.classList.remove('active');
14  });
15
16  signupbtn.addEventListener('click', () => {
17      loginsec.classList.add('active');
18  });
```

Validation of login page,

Sign Up: When password is less than 6 letters, and username have aplhanumerics



Sign Up

Username
Sushma

Email
sushma7@gmail.com

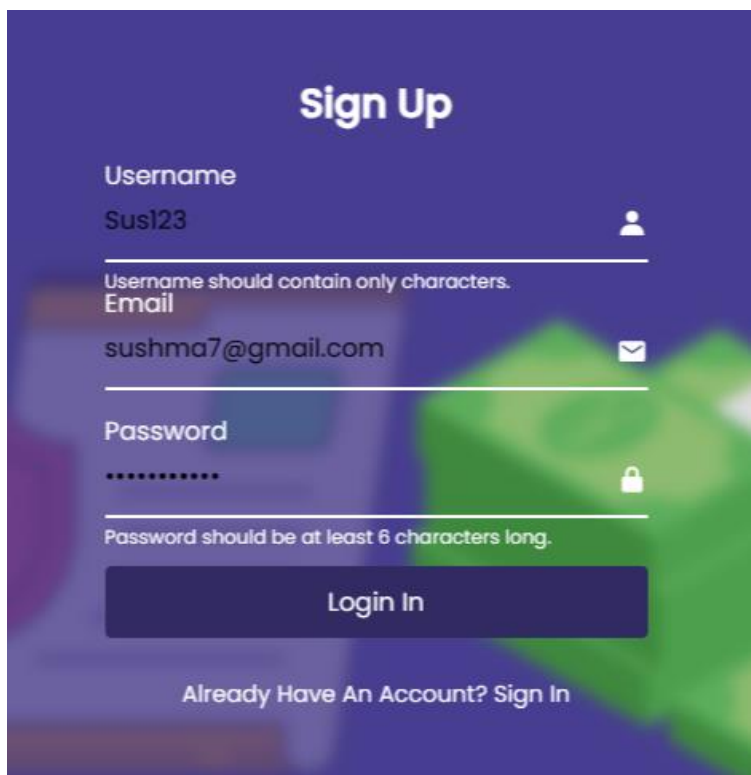
Password
..

Password should be at least 6 characters long.

Login In

Already Have An Account? Sign In

This screenshot shows a 'Sign Up' form with a purple background. The form fields are: Username (Sushma), Email (sushma7@gmail.com), and Password (..). A message below the password field states 'Password should be at least 6 characters long.' There is a 'Login In' button and a link 'Already Have An Account? Sign In' at the bottom.



Sign Up

Username
Sus123

Username should contain only characters.

Email
sushma7@gmail.com

Password
.....

Password should be at least 6 characters long.

Login In

Already Have An Account? Sign In

This screenshot shows the same 'Sign Up' form, but with an invalid username 'Sus123'. A validation message 'Username should contain only characters.' appears below the username field. The other fields (Email: sushma7@gmail.com, Password:) and the 'Login In' button remain the same.

Sign Up

Username

Sus123



Username should contain only characters.

Email

sushma7gmail.com



Please include an '@' in the email address. 'sushma7gmail.com' is missing an '@'.

.....

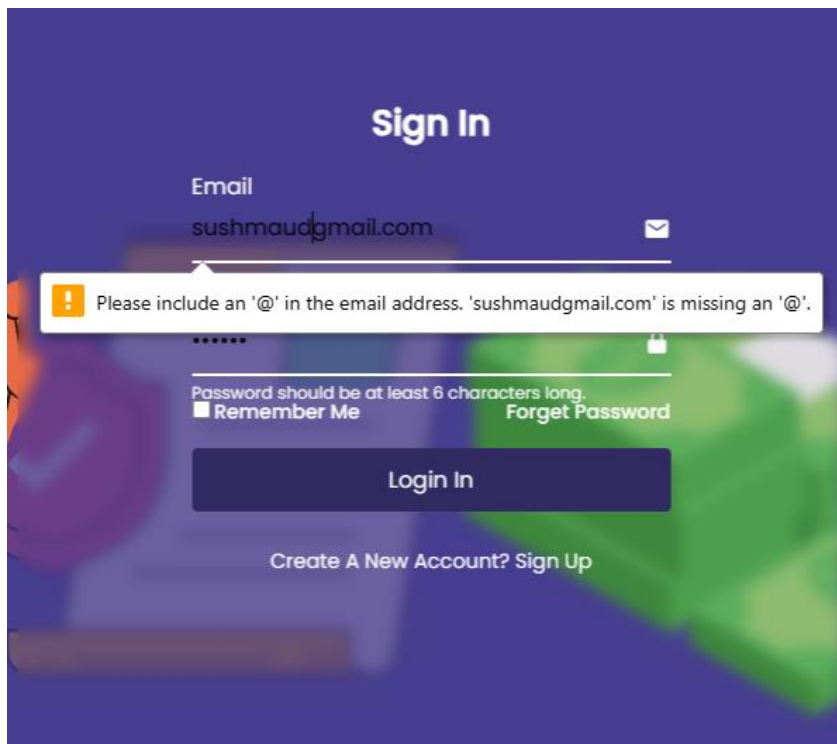


Password should be at least 6 characters long.

Login In

Already Have An Account? Sign In

Sign In: When password is less than 6 letters. Also if email section, does not have '@' symbol, it throws an error message. It occurs in both Sign In and Sign Up sections.



Sign In

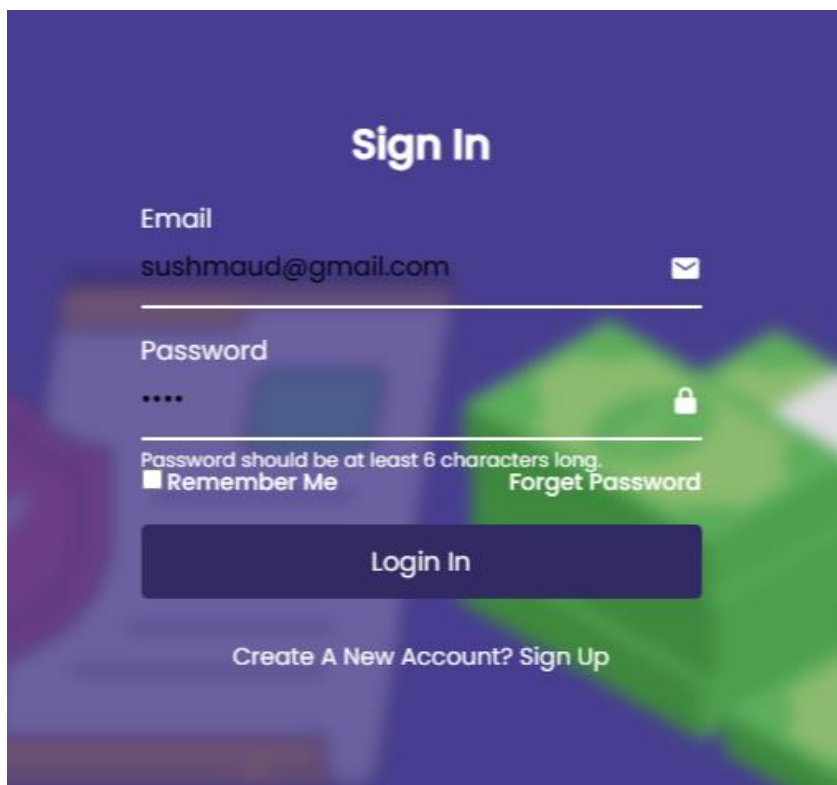
Email
sushmaudgmail.com

Please include an '@' in the email address. 'sushmaudgmail.com' is missing an '@'.

Password should be at least 6 characters long.
☐ Remember Me [Forget Password](#)

Login In

Create A New Account? [Sign Up](#)



Sign In

Email
sushmaud@gmail.com

Password

Password should be at least 6 characters long.
☐ Remember Me [Forget Password](#)

Login In

Create A New Account? [Sign Up](#)