

WEB TECHNOLOGY LAB

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ADTU/2020-24/BTECH(CTIS)/014



DECEMBER 17, 2022

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EXPERIMENT: 1

Aim: Registration page with JavaScript validation.

Theory: In order to validate the fields of registration page JavaScript is used. JavaScript is programming code that can be inserted into HTML pages. JavaScript inserted into HTML pages, can be executed by all modern web browsers. JavaScript is mainly used for validating the elements in a form submitted by the user. This JavaScript code can react to user events.

Page Contains -

1. Name. (Should not be empty).
2. E-mail id (Should not contain any invalid and must follow the standard pattern name@domain.com).
3. Password (Password should not be less than 6 characters length).
4. Confirm Password (Confirm Password should not be less than 6 characters length and should match the original password).

Tools and Technologies: Vscode code editor, HTML/CSS/JavaScript.

Code and Procedure: After clicking OK button the page shows a success alert.

STEP1: Creating “index.html” file containing the below codes.

```
● ● ●
1 <html lang="en">
2 <!-- By Shafin CTIS 014 -->
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Form Validation</title>
8     <link rel="preconnect" href="https://fonts.googleapis.com">
9     <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;700&display=swap" rel="stylesheet">
11    <link rel="stylesheet" href="./style.css">
12    <script defer src="./script.js"></script>
13 </head>
14
15 <body>
16     <div class="container">
17         <form id="form" action="/">
18             <h1>Registration</h1>
19             <div class="input-control">
20                 <label for="username">Username</label>
21                 <input id="username" name="username" type="text">
22                 <div class="error"></div>
23             </div>
24             <div class="input-control">
25                 <label for="email">Email</label>
26                 <input id="email" name="email" type="text">
27                 <div class="error"></div>
28             </div>
29             <div class="input-control">
30                 <label for="password">Password</label>
31                 <input id="password" name="password" type="password">
32                 <div class="error"></div>
33             </div>
34             <div class="input-control">
35                 <label for="password2">Password again</label>
36                 <input id="password2" name="password2" type="password">
37                 <div class="error"></div>
38             </div>
39             <button type="submit" >Sign Up</button>
40         </form>
41     </div>
42 </body>
43
44 </html>
```

STEP2: Creating “style.css” file containing the below codes.

```
1 body {  
2     background: rgb(64, 69, 79);  
3     font-family: 'Poppins', sans-serif;  
4 }  
5  
6 #form {  
7     width: 300px; margin: 20vh auto 0 auto; padding: 20px;  
8     background-color: whitesmoke; border-radius: 4px;font-size: 12px;  
9 }  
10 #form h1 {  
11     color: #0f2027;text-align: center;  
12 }  
13  
14 #form button {  
15     padding: 10px; margin-top: 10px; width: 100%;  
16     color: white; background-color: rgb(38, 38, 40);  
17     border: none; border-radius: 4px;  
18 }  
19  
20 .input-control {  
21     display: flex; flex-direction: column;  
22 }  
23 .input-control input {  
24     border: 2px solid #f0f0f0; border-radius: 4px;  
25     display: block;font-size: 12px;padding: 10px; width: 100%;  
26 }  
27 .input-control input:focus {  
28     outline: 0;  
29 }  
30 .input-control.success input {  
31     border-color: #09c372;  
32 }  
33 .input-control.error input {  
34     border-color: #ff3860;  
35 }.input-control .error {  
36     color: #ff3860; font-size: 9px; height: 13px;  
37 }  
38  
39
```

STEP3: Creating “script.js” file containing the below codes.

```

1 const form = document.getElementById('form');
2 const username = document.getElementById('username');
3 const email = document.getElementById('email');
4 const password = document.getElementById('password');
5 const password2 = document.getElementById('password2');
6 let one = 0, two = 0, three = 0,four=0;
7
8 form.addEventListener('submit', e => {
9     e.preventDefault();
10    validateInputs();
11 });
12
13 const setError = (element, message) => {
14     const inputControl = element.parentElement;
15     const errorDisplay = inputControl.querySelector('.error');
16
17     errorDisplay.innerText = message;
18     inputControl.classList.add('error');
19     inputControl.classList.remove('success')
20 }
21
22 const setSuccess = element => {
23     const inputControl = element.parentElement;
24     const errorDisplay = inputControl.querySelector('.error');
25     errorDisplay.innerText = '';
26     inputControl.classList.add('success');
27     inputControl.classList.remove('error');
28 };
29
30 const isValidEmail = email => {
31     const re = /^[^<>()[]\.,;:\s@]+(\.[^<>()[]\.,;:\s@"]+)*(\.+)@((\[[0-9]{1,3}\.\[0-9]{1,3}\.\[0-9]{1,3}\])|(([a-zA-Z-0-9]+\.)+[a-zA-Z]{2,}))$/;
32     return re.test(String(email).toLowerCase());
33 }
34
35 function validateInputs() {
36     const usernameValue = username.value.trim();
37     const emailValue = email.value.trim();
38     const passwordValue = password.value.trim();
39     const password2Value = password2.value.trim();
40
41     if(usernameValue === '') {
42         setError(username, 'Username is required');
43     } else {
44         setSuccess(username);
45         one = 1;
46     }
47     if(emailValue === '') {
48         setError(email, 'Email is required');
49     } else if (!isValidEmail(emailValue)) {
50         setError(email, 'Provide a valid email address');
51     } else {
52         setSuccess(email);
53         two = 1;
54     }
55     if(passwordValue === '') {
56         setError(password, 'Password is required');
57     } else if (passwordValue.length < 6 ) {
58         setError(password, 'Password must be at least 6 character.');
59     } else {
60         setSuccess(password);
61         three = 1;
62     }
63
64     if(password2Value === '') {
65         setError(password2, 'Please confirm your password');
66     } else if (password2Value.length < 6 ) {
67         setError(password2, 'Password must be at least 6 character.')
68     } else if (password2Value !== passwordValue) {
69         setError(password2, "Passwords doesn't match");
70     } else {
71         setSuccess(password2);
72         four = 1;
73     }
74     if (one && two && three && four == true)
75     {
76         alert('Registered');
77         window.location.href = "index.html";
78     }
79 };
80
81

```

OUTPUT:

The screenshot shows a browser window titled "Form Validation" displaying a registration form at the URL "http://127.0.0.1:3000/index.html". The form has four fields: "Username", "Email", "Password", and "Password again". The "Username" field is empty and has a red border, with the error message "Username is required" below it. The "Email" field contains "fdsedfew" and has a red border, with the error message "Provide a valid email address" below it. The "Password" field contains "....." and has a red border, with the error message "Password must be at least 6 character." below it. The "Password again" field contains "....." and has a red border, with the error message "Passwords doesn't match" below it. A large "Sign Up" button is at the bottom of the form.

Form Validation X

← → ⚡ http://127.0.0.1:3000/index.html

☰

Registration

Username

Username is required

Email

Provide a valid email address

Password

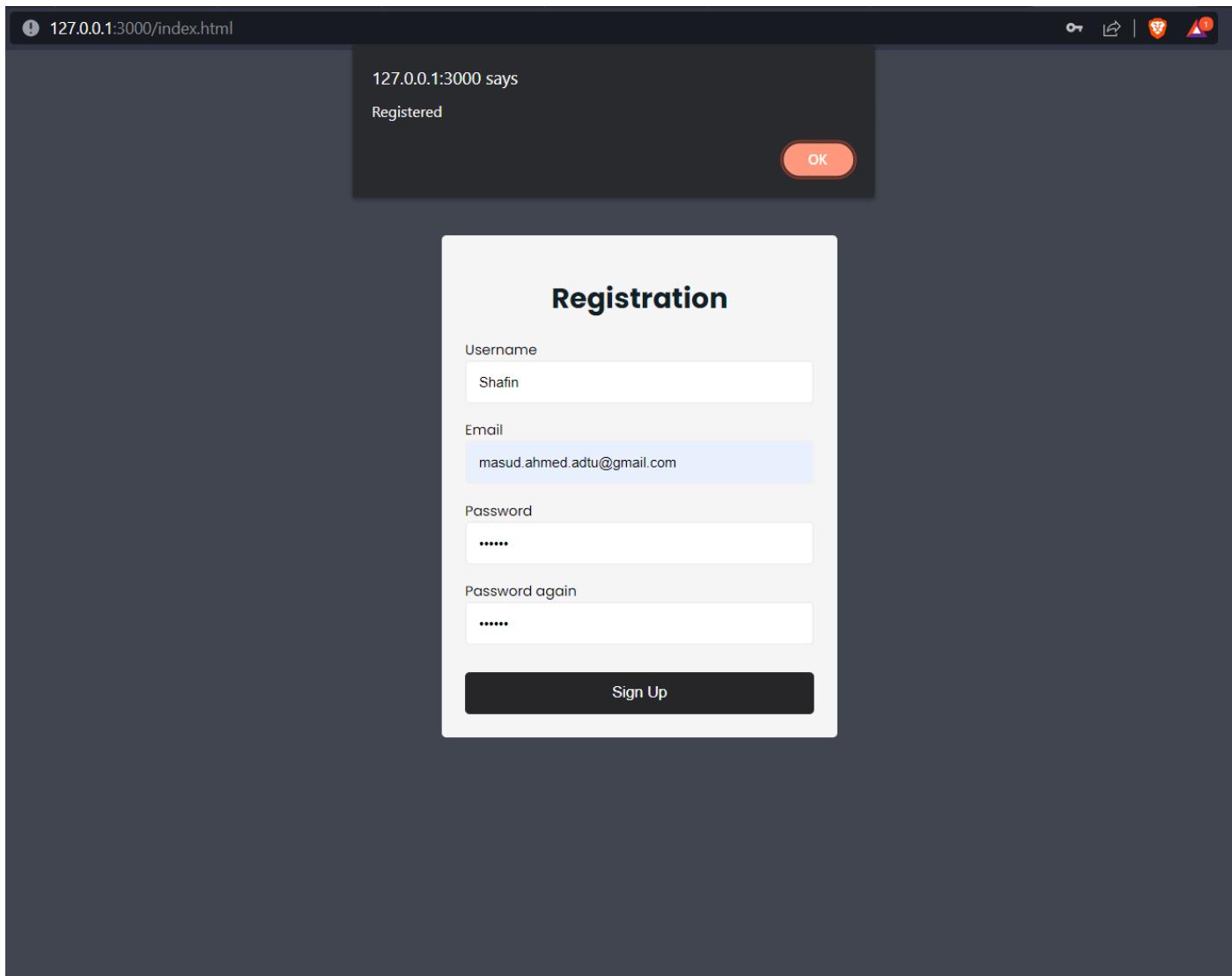
Password must be at least 6 character.

Password again

Passwords doesn't match

Sign Up

Port: 3000



Project Live Link: <https://blackipie.github.io/webtechAssignment/registrationForm>

Project Source code: <https://github.com/blackipie/webtechAssignment/tree/main/registrationForm>

EXPERIMENT: 2

Aim: Login page with JavaScript validation.

Theory: In order to validate the fields of login page JavaScript is used. JavaScript is programming code that can be inserted into HTML pages. JavaScript inserted into HTML pages, can be executed by all modern web browsers. JavaScript is mainly used for validating the elements in a form submitted by the user. This JavaScript code can react to user events.

Page Contains -

1. E-mail id or Username (Should not be empty).
2. Password (Password should not be empty).

Tools and Technologies: Vscode code editor, HTML/CSS/JavaScript.

Code and Procedure: After clicking OK button the page shows a success alert.

STEP1: Creating “index.html” file containing the below codes.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Login Form</title>
8      <link rel="stylesheet" href="style.css">
9  </head>
10 <body>
11     <div class="wrapper">
12         <div class="form">
13             <div class="title">
14                 Login Form
15             </div>
16             <form method="GET" action="https://blackipie.github.io/webtechAssignment/loginForm/" onsubmit="return validation();">
17                 <div class="input_wrap">
18                     <label for="input_text">Email or Username</label>
19                     <div class="input_field">
20                         <input type="text" class="input" id="input_text">
21                     </div>
22                 </div>
23                 <div class="input_wrap">
24                     <label for="input_password">Password</label>
25                     <div class="input_field">
26                         <input type="password" class="input" id="input_password">
27                     </div>
28                 </div>
29                 <div class="input_wrap">
30                     <span class="error_msg" style="margin-bottom: 2rem;">Incorrect username or password.</span>
31                     <input type="submit" id="login_btn" class="btn" disabled="" value="Login" disabled="true">
32                 </div>
33             </form>
34         </div>
35     </div>
36     <script src="script.js"></script>
37 </body>
38 </html>
```

STEP2: Creating “style.css” file containing the below codes.

```
1  *{
2      margin: 0;padding: 0;
3      box-sizing: border-box;font-family: 'Montserrat', sans-serif;outline: none;
4      color: #1d2027;
5  }
6
7
8 body{
9     padding: 4rem;background: rgb(66, 76, 88);margin:auto;width:500px;
10 }
11
12 .wrapper{
13     min-height: 100vh;display: flex;justify-content: center;align-items: center;
14 }
15
16 .form{
17     width: 425px;height: auto;background: #fff;padding: 35px 50px;border-radius: 2px;
18 }
19
20 .form .title{
21     text-align: center;margin-bottom: 20px;font-weight: 700;font-size: 24px;
22 }
23
24 .form .input_wrap{
25     margin-bottom: 20px;width: 325px;position: relative;
26 }
27
28 .form .input_wrap:last-child{
29     margin-bottom: 0;
30 }
31
32 .form .input_wrap label{
33     display: block;margin-bottom: 5px;
34 }
35
36 .form .input_wrap input{
37     padding: 15px;width: 100%;border: 1px solid #262626a8;font-size: 16px;border-radius: 3px;
38 }
39
40 .form .input_wrap .input{
41     background: #f5f4f4;padding-right: 35px;
42 }
43
44
45 .form .input_wrap .input:focus{
46     border-color: #1dbf73;
47 }
48
49 .form .input_wrap .input_field{
50     position: relative;
51 }
52
53 .form .input_wrap .btn{
54     text-transform: uppercase;letter-spacing: 3px;color: #fff;
55 }
56
57 .form .input_wrap .btn.disabled{
58     background: #727272;
59 }
60
61 .form .input_wrap .btn.enabled{
62     background: #1dbf73;cursor: pointer;
63 }
64
65 .form .input_wrap .error_msg{
66     font-size: 15px;margin-bottom: 5px; color: #f74040;display: none;
67 }
68
```

STEP3: Creating “script.js” file containing the below codes.

```
● ● ●  
1  function validation() {  
2      var input_text = document.querySelector("#input_text");  
3      var input_password = document.querySelector("#input_password");  
4      var error_msg = document.querySelector(".error_msg");  
5  
6      if (input_text.value.length <= 3 || input_password.value.length <= 3) {  
7          error_msg.style.display = "inline-block";  
8          input_text.style.border = "1px solid #f74040";  
9          input_password.style.border = "1px solid #f74040";  
10         return false;  
11     }  
12     else {  
13         alert("Successfully Logged In")  
14         return true;  
15     }  
16  
17 }  
18  
19 var input_fields = document.querySelectorAll(".input");  
20 var login_btn = document.querySelector("#login_btn");  
21  
22 input_fields.forEach(function (input_item) {  
23     input_item.addEventListener("input", function () {  
24         if (input_item.value.length > 3) {  
25             login_btn.disabled = false;  
26             login_btn.className = "btn enabled"  
27         }  
28     })  
29 })
```

OUTPUT:

Login Form

Email or Username

Password

Incorrect username or password.

LOGIN

127.0.0.1:3000 says
Successfully Logged In

OK

Login Form

Email or Username

Password

LOGIN

Project Live Link: <https://blackipie.github.io/webtechAssignment/loginForm>

Project Source code: <https://github.com/blackipie/webtechAssignment/tree/main/loginForm>

EXPERIMENT: 3

Aim: Student Profile page with HTML and CSS.

Theory: In this program the entire web paged are created by using basic HTML tags and CSS. Here We are going to use bootstrap CSS for better styling. This Student Profile Page contains – Student Profile photo, University name, Student name, Enrolment number, Phone number, email id, Branch name and address.

Tools and Technologies: Vscode code editor, HTML/CSS, Bootstrap CSS.

Code and Procedure: After opening Vscode editor let's follow the below steps to build a student profile page.

STEP1: Create or Open a folder in Vscode named “studentProfile”.

STEP2: Creating “index.html” file containing the below codes.

```

1  <!DOCTYPE html>
2  <html lang="en">
3
4    <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE-edge">
7      <meta name="viewport" content="width=device width, initial scale=1.0">
8      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
9           integrity="sha384-EVSTQN3/azprG14m0MqN1ZiFxQlFlHl48Mg2I4oq+Lz7qP94rRcBz/Sc0PfLlW9hpuC0mASjC" crossorigin="anonymous">
10     <link rel="shortcut icon" href="https://mdbcdn.b-cdn.net/img/Photos/new-templates/bootstrap-chat/ava3.webp"
11       type="image/x-icon">
12   <style>
13
14     .text-muted {
15       color: #007bff !important;
16     }
17   </style>
18   <title>Student Profile</title>
19 </head>
20
21 <body style="font-family: 'Montserrat';background-color: #fff; margin: auto;">
22   <section class="bg-dark rounded-1" style="background-color: #fff; margin: auto;">
23     <div class="container py-5">
24       <div class="row">
25         <div class="col">
26           <div class="card">
27             <nav aria-label="breadcrumb" class="bg-dark rounded-3 p-3 mb-4">
28               <ol class="breadcrumb mb-0">
29                 <li class="breadcrumb-item text-white text-uppercase fw bold" aria-current="page">Student
30                   Profile</li>
31               </ol>
32             </nav>
33           </div>
34         </div>
35       <div class="row">
36         <div class="col-lg-4">
37           <div class="card mb-4 bg-dark">
38             <div class="card-body text-center" style="height: 342px;">
39               
40               <h5 class="my-3 text-light text-uppercase">Masud Shafin Ahmed</h5>
41               <p class="text-muted mb-1">Student</p>
42               <p class="text-muted mb-4">Asam Down Town University</p>
43             </div>
44           </div>
45         </div>
46       </div>
47     </div>
48   </div>
49   <div class="col-lg-8">
50     <div class="card mb-4 bg-dark text-light">
51       <div class="card-body">
52         <div class="row">
53           <div class="col-sm-3">
54             <p class="mb-0">Full Name</p>
55           </div>
56           <div class="col-sm-9">
57             <p class="text-muted mb-0">Masud Shafin Ahmed</p>
58           </div>
59         </div>
60       <div class="row">
61         <div class="col-sm-3">
62           <p class="mb-0">Enrollment ID</p>
63         </div>
64         <div class="col-sm-9">
65           <p class="text-muted mb-0">ADTU/2020-24/BTECH(CTIS)/014</p>
66         </div>
67       </div>
68       <div class="row">
69         <div class="col-sm-3">
70           <p class="mb-0">Branch</p>
71         </div>
72         <div class="col-sm-9">
73           <p class="text-muted mb-0">BTECH CTIS</p>
74         </div>
75       </div>
76     </div>
77   </div>
78   <div class="row">
79     <div class="col-sm-3">
80       <p class="mb-0">Email</p>
81     </div>
82     <div class="col-sm-9">
83       <p class="text-muted mb-0">masud.ahmed.adtu@gmail.com</p>
84     </div>
85   </div>
86   <div class="row">
87     <div class="col-sm-3">
88       <p class="mb-0">Phone</p>
89     </div>
90     <div class="col-sm-9">
91       <p class="text-muted mb-0">(091) 0000000000</p>
92     </div>
93   </div>
94   <div class="row">
95     <div class="col-sm-3">
96       <p class="mb-0">Address</p>
97     </div>
98     <div class="col-sm-9">
99       <p class="text-muted mb-0">Guwahati, Assam</p>
100    </div>
101  </div>
102  </div>
103  <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.2/js/bootstrap.min.js"
104        integrity="sha384-EVSTQN3/azprG14m0MqN1ZiFxQlFlHl48Mg2I4oq+Lz7qP94rRcBz/Sc0PfLlW9hpuC0mASjC" crossorigin="anonymous">
105    <script referrerpolicy="no-referrer"></script>
106  </body>
107 </html>
108
109
110
111
112
113
114
115
116
117
118

```

OUTPUT:

STUDENT PROFILE



MASUD SHAFIN AHMED
Student
Assam Down Town University

Full Name	Masud Shafin Ahmed
Enrollment ID	ADTU/2020-24/BTECH(CTIS)/014
Branch	BTECH CTIS
Email	masud.ahmed.adtu@gmail.com
Phone	(091) 0000000000
Address	Guwahati, Assam

STUDENT PROFILE**MASUD SHAFIN AHMED**

Student

Assam Down Town University

Full Name	Masud Shafin Ahmed
Enrollment ID	ADTU/2020-24/BTECH(CTIS)/014
Branch	BTECH CTIS
Email	masud.ahmed.adtu@gmail.com
Phone	(091) 0000000000
Address	Guwahati, Assam

Project Live Link: <https://blackipie.github.io/webtechAssignment/studentProfile>**Project Source code:** <https://github.com/blackipie/webtechAssignment/tree/main/studentProfile>

EXPERIMENT: 4

Aim: Calculator Using HTML, CSS and JavaScript.

Theory: In order to create a calculator JavaScript is used. JavaScript is programming code that can be inserted into HTML pages. JavaScript inserted into HTML pages, can be executed by all modern web browsers. This JavaScript code can react to user events and performs operations against user inputs.

Page Contains -

1. On input field/display
2. Number buttons.
3. Operator and Function buttons.

Tools and Technologies: Vscode code editor, HTML, CSS and JavaScript.

Code and Procedure: After opening Vscode editor let's follow the below steps to build a calculator.

STEP1: Create or Open a folder in Vscode named “calculator”.

STEP2: Creating “index.html” file containing the below codes.



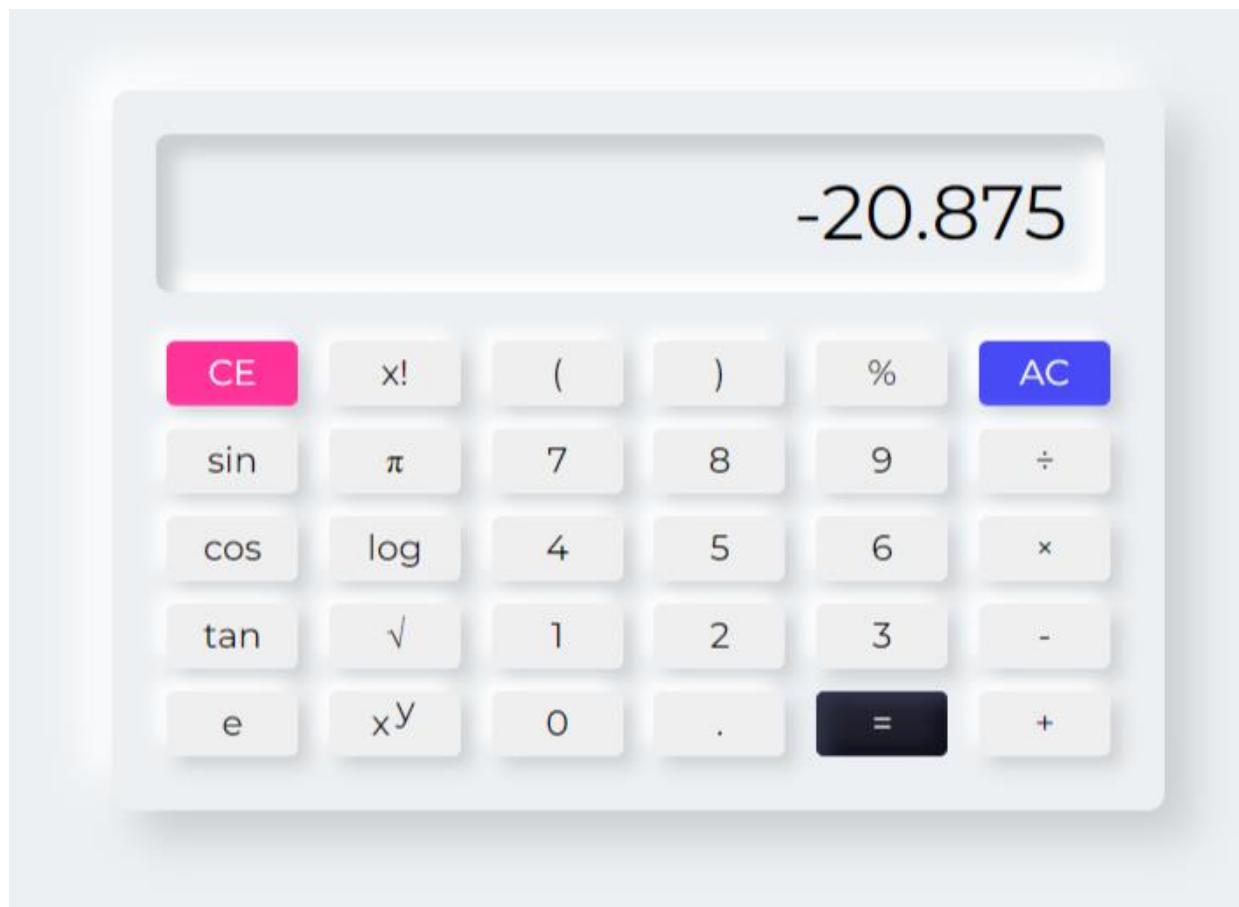
```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Calculator by Shafin</title>
8      <link rel="stylesheet" type="text/css"
9          href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
10     <link rel="stylesheet" href="style.css">
11 </head>
12
13 <body>
14     <div class="container">
15         <div class="display">
16             <input id="screen" type="text" placeholder="0">
17         </div>
18         <div class="btns">
19             <div class="row">
20                 <button id="ce" onclick="backspc()">>CE</button>
21                 <button onclick="fact()">>X!</button>
22                 <button class="btn"></button>
23                 <button class="btn">*</button>
24                 <button class="btn">%</button>
25                 <button id="ac" onclick="screen.value=''">AC</button>
26             </div>
27
28             <div class="row">
29                 <button onclick="sin()">>sin</button>
30                 <button onclick="pi()">>π</button>
31                 <button class="btn">7</button>
32                 <button class="btn">8</button>
33                 <button class="btn">9</button>
34                 <button class="btn">.</button>
35             </div>
36
37             <div class="row">
38                 <button onclick="cos()">>cos</button>
39                 <button onclick="log()">>log</button>
40                 <button class="btn">4</button>
41                 <button class="btn">5</button>
42                 <button class="btn">6</button>
43                 <button class="btn">x</button>
44             </div>
45
46             <div class="row">
47                 <button onclick="tan()">>tan</button>
48                 <button onclick="sqrt()">>√</button>
49                 <button class="btn">1</button>
50                 <button class="btn">2</button>
51                 <button class="btn">3</button>
52                 <button class="btn">-</button>
53             </div>
54
55             <div class="row">
56                 <button onclick="e()">>e</button>
57                 <button onclick="pow()>x <span style="position: relative; bottom: .4em; right: .1em;">>y</span>
58                 </button>
59                 <button class="btn">0</button>
60                 <button class="btn">.</button>
61                 <button id="eval" onclick="screen.value=eval(screen.value)">=</button>
62                 <button class="btn">+</button>
63             </div>
64         </div>
65     </div>
66     <script src="script.js"></script>
67 </body>
68
69 </html>
```

STEP3: Creating “style.css” file containing the below codes.

```
1 body {
2     font-family: 'Montserrat';
3     padding-left: 18rem ;
4     padding-right: 18rem ;
5     margin:0;
6     display: flex;
7     justify-content: center;
8     align-items: center;
9     min-height: 100vh;
10    user-select: none;
11    background: #ecf0f3;
12 }
13
14 .container {
15     font-family: 'Montserrat';
16     margin-left: 1.8em;
17     padding: 20px;
18     border-radius: 8px;
19     box-shadow: 13px 13px 20px #cbced1,
20             -13px -13px 20px #ffffff;
21 }
22
23 .content {
24     font-family: 'Montserrat';
25     width: 100%;
26     margin-top: 1.7em; display: flex; justify-content: center; align-items: center; flex-direction: column;
27 }
28
29 .row button {
30     cursor: pointer;
31     font-family: 'Montserrat'; width: 60px; height: 30px; font-size: 16px; border: none;
32     outline: none; margin: 5px; border-radius: 4px; transition: .1s; box-shadow: 5px 5px 8px #00000020,
33             -5px -5px 8px #ffff;
34 }
35
36 .row button:hover {
37     box-shadow: inset 5px 5px 8px rgba(16, 16, 16, .1),
38             inset -5px -5px 8px #fff;
39     background: #fff;
40 }
41
42 .display #screen {
43     font-family: 'Montserrat';
44     margin-bottom: .5em; width: auto; height: 70px; font-size: 35px; outline: none; border: none;
45     text-align: right; padding-right: .5em; background: #ecf0f3; border-radius: 6px; box-shadow: inset 8px 8px 8px #cbced1,
46             inset -8px -8px 8px #ffffff;
47 }
48
49 #eval {
50     cursor: pointer; font-family: 'Montserrat';
51     background: #21212d; color: #fff;
52     box-shadow: inset 5px 5px 8px #31354d, inset -5px -5px 8px #0e0e18;
53 }
54
55 #eval:hover {
56     box-shadow: inset 5px 5px 8px #0c0d13, inset -5px -5px 8px #232e32;
57 }
58
59 #ac {
60     font-family: 'Montserrat';
61     background: #484bf5;
62     color: #fff; cursor: pointer;
63 }
64
65 #ac:hover {
66     box-shadow: inset 5px 5px 8px #5440f0, inset -5px -5px 8px #576ef3;
67 }
68
69 #ce {
70     cursor: pointer; font-family: 'Montserrat'; background: #ff3399; color: #fff;
71 }
72
73 #ce:hover {
74     box-shadow: inset 5px 5px 8px #e60073, inset -5px -5px 8px #ff3399;
75 }
76 }
```

STEP4: Creating “script.js” file containing the below codes.

```
1  var screen = document.querySelector('#screen');
2  var btn = document.querySelectorAll('.btn');
3  for (item of btn) {
4      item.addEventListener('click', (e) => {
5          btntext = e.target.innerText;
6          if (btntext == 'x') {
7              btntext = '*';
8          }
9          if (btntext == '÷') {
10             btntext = '/';
11         }
12         screen.value += btntext;
13     });
14 }
15 function sin() {
16     screen.value = Math.sin(screen.value);
17 }
18
19 function cos() {
20     screen.value = Math.cos(screen.value);
21 }
22
23 function tan() {
24     screen.value = Math.tan(screen.value);
25 }
26
27 function pow() {
28     screen.value = Math.pow(screen.value, 2);
29 }
30
31 function sqrt() {
32     screen.value = Math.sqrt(screen.value, 2);
33 }
34
35 function log() {
36     screen.value = Math.log(screen.value);
37 }
38
39 function pi() {
40     screen.value = 3.14159265359;
41 }
42
43 function e() {
44     screen.value = 2.71828182846;
45 }
46
47 function fact() {
48     var i, num, f;
49     f = 1
50     num = screen.value;
51     for (i = 1; i <= num; i++) {
52         f = f * i;
53     }
54     i = i - 1;
55     screen.value = f;
56 }
57 function backspc() {
58     screen.value = screen.value.substr(0, screen.value.length - 1);
59 }
```

OUTPUT:

Project Live Link: <https://blackipie.github.io/webtechAssignment/calculator/sci>

Project Source code: <https://github.com/blackipie/webtechAssignment/tree/main/calculator/sci>

EXPERIMENT: 4

Aim: To create student portal with frontend and backend will CRUD operations using HTML, CSS, JS, PHP and MySQL database.

Theory: To create a student portal with all four operations- create, remove, update and delete we need a backend language and a database. Here, we are going to use PHP as backend language and MySQL as database.

The site Contains -

1. Login and registration for students.
2. Student Profile and students can update their profile.
3. Admin page and admin can manage all the registered students.
4. Search functionality.

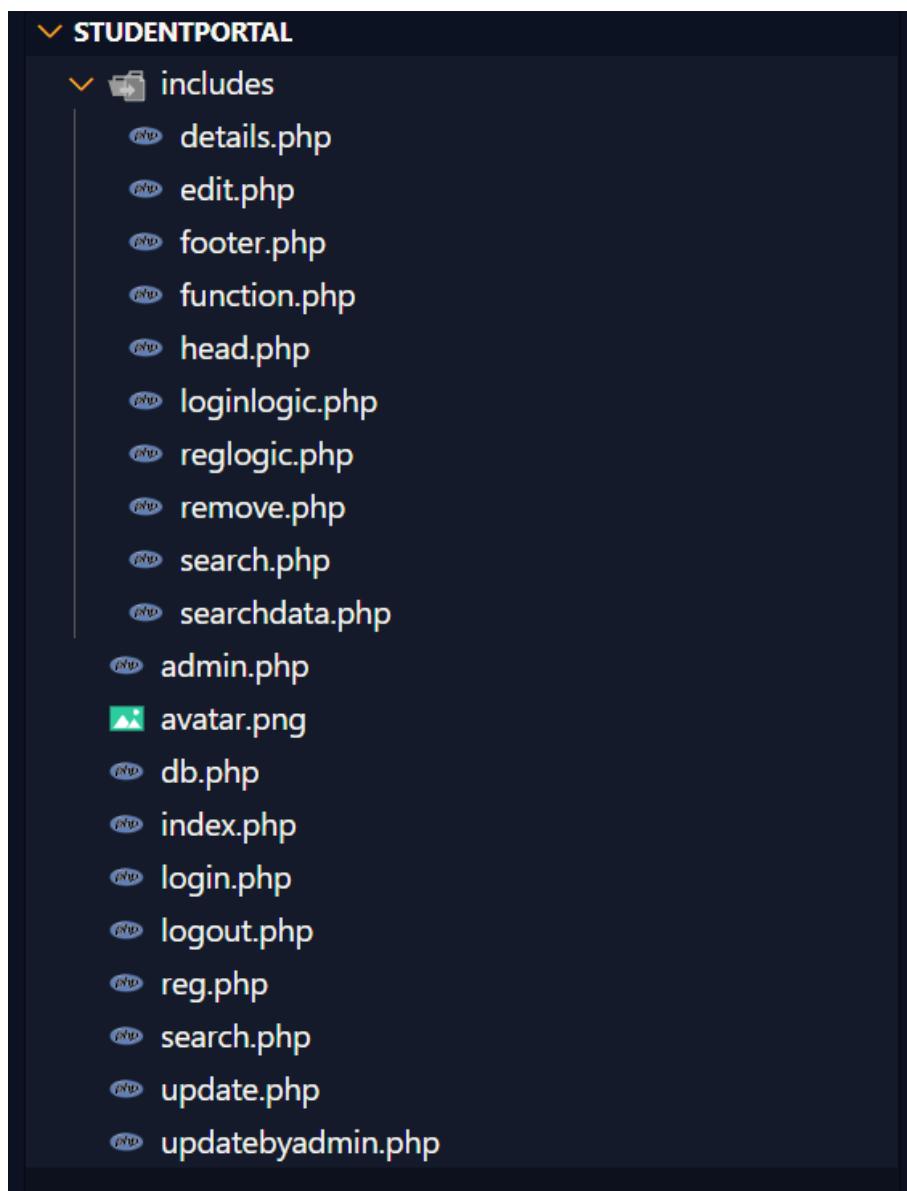
Tools and Technologies: Vscode code editor, HTML, CSS, JavaScript, PHP, XAMPP server, MySQL Database, PhpMyAdmin.

Code and Procedure: After opening Vscode editor let's follow the below steps to build a calculator.

STEP1: Create or Open a folder in Vscode named “studentPortal”.

STEP2: Create a structure of folder and files as shown in the below figure.

‘studentPortal’ folder contains ‘includes’ folder and files named- **admin.php, avatar.png, db.php, index.php, login.php, logout.php, reg.php, search.php, update.php, updatebyadmin.php** and ‘includes’ folder contains files named- **details.php, edit.php, footer.php, function.php, head.php, loginlogic.php, reglogic.php, remove.php, search.php, searchdata.php**.



STEP4: Writing the codes according to the filenames given below.**details.php:**

```
studentPortal - details.php
1  <div class="card-body">
2    <div class="row">
3      <div class="col-sm-3">
4        <p class="mb-0">Full Name</p>
5      </div>
6      <div class="col-sm-9">
7        <p class="text-muted mb-0"><?= $u['name'] ?></p>
8      </div>
9    </div>
10   <hr>
11   <div class="row">
12     <div class="col-sm-3">
13       <p class="mb-0">Enrollment ID</p>
14     </div>
15     <div class="col-sm-9">
16       <p class="text-muted mb-0">
17         <?= $u['eno'] ?>
18       </p>
19     </div>
20   </div>
21   <hr>
22   <div class="row">
23     <div class="col-sm-3">
24       <p class="mb-0">Branch</p>
25     </div>
26     <div class="col-sm-9">
27       <p class="text-muted mb-0">
28 <?= $u['branch'] ?>
29       </p>
30     </div>
31   </div>
32   <hr>
33   <div class="row">
34     <div class="col-sm-3">
35       <p class="mb-0">Email</p>
36     </div>
37     <div class="col-sm-9">
38       <p class="text-muted mb-0">
39         <?= $u['email'] ?>
40       </p>
41     </div>
42   </div>
43   <hr>
44   <div class="row">
45     <div class="col-sm-3">
46       <p class="mb-0">
47         Phone
48       </p>
49     </div>
50     <div class="col-sm-9">
51       <p class="text-muted mb-0">
52         <?= $u['phone'] ?>
53       </p>
54     </div>
55   </div>
56   <hr>
57   <div class="row">
58     <div class="col-sm-3">
59       <p class="mb-0">
60         Address
61       </p>
62     </div>
63     <div class="col-sm-9">
64       <p class="text-muted mb-0">
65         <?= $u['address'] ?>
66       </p>
67     </div>
68   </div>
69
70 </div>
```

edit.php:

```

1 <?php
2
3 //profileEdit
4 require("../db.php");
5 if (isset($_POST['updateP'])) {
6     $name = $_POST['name'];
7     $email = $_POST['email'];
8     $phone = $_POST['phone'];
9     $branch = $_POST['branch'];
10    $eno = $_POST['eno'];
11    $address = $_POST['address'];
12
13    $query = "UPDATE student SET name='$name', email='$email', phone='$phone',branch='$branch',eno='$eno',address='$address' WHERE email='$_SESSION[email]'";
14    $query_run = mysqli_query($db, $query);
15
16    if ($query_run) {
17        $_SESSION['email'] = $email;
18        $_SESSION['uname'] = $name;
19        echo '<script> alert("Data Updated"); </script>';
20        header("Location:../");
21    } else {
22        echo '<script> alert("Data Not Updated"); </script>';
23    }
24 } else {
25     echo '<script> alert("Data Not Updated"); </script>';
26     //admin updates users
27 if (isset($_POST['updateAP'])) {
28
29     $name = $_POST['name'];
30     $id = $_POST['id'];
31     $email = $_POST['email'];
32     $phone = $_POST['phone'];
33     $branch = $_POST['branch'];
34     $eno = $_POST['eno'];
35     $address = $_POST['address'];
36
37     $query = "UPDATE student SET name='$name', email='$email', phone= '$phone',branch='$branch',eno= '$eno',address= '$address' WHERE id = '$id'";
38     $query_run = mysqli_query($db, $query);
39
40     if ($query_run) {
41         echo '<script> alert("Data Updated"); </script>';
42         header("Location:../");
43     } else {
44         echo '<script> alert("Data Not Updated"); </script>';
45     }
46 } else {
47     echo '<script> alert("Data Not Updated"); </script>';
48 ?>
```

footer.php:

```

1 <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.0.1/js/bootstrap.min.js"
2      integrity="sha512-EKWs1ZcA2ZY91bLISPz8aGR2+L7JYqBAYTq5AXgbkSjRSuQEGqWx8R1zAX16KdXPaCjoCaKE8MCpU0wcHlHA=="
3      crossorigin="anonymous" referrerpolicy="no-referrer"></script>
4 </body>
5
6 </html>
```

function.php:

```
studentPortal - function.php

1 <?php
2 // get current user
3 function getUser($db)
4 {
5     $result = mysqli_query($db, "select * from student where email ='" . $_SESSION['email'] . "'");
6     $data = mysqli_fetch_assoc($result);
7     return $data;
8 }
9 //get all users
10 function getAllUsers($db)
11 {
12     $query = "SELECT * FROM student ORDER BY id DESC";
13     $run = mysqli_query($db, $query);
14     $data = array();
15
16     while ($d = mysqli_fetch_assoc($run)) {
17         $data[] = $d;
18     }
19     return $data;
20 }
21 ?>
```

head.php:

```
studentPortal - head.php

1 <?php
2 include "./db.php"
3 ?>
4
5 <!DOCTYPE html>
6 <html lang="en">
7
8 <head>
9     <meta charset="UTF-8">
10    <meta http-equiv="X-UA-Compatible" content="IE=edge">
11    <meta name="viewport" content="width=device-width, initial-scale=1.0">
12    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
13          integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOMLASjC" crossorigin="anonymous">
14    <link rel="shortcut icon" href="./avatar.png"
15        type="image/x-icon">
16    <style>
17
18        .text-muted {
19            color: #rgb(172, 182, 198) !important;
20        }
21
22        input.form-control:focus,
23        input.form-control::after {
24            outline: none;
25            box-shadow: none !important;
26        }
27    </style>
28    <title>Student Profile</title>
29 </head>
30
31 <body style="font-family: 'Montserrat';background-color: #rgb(24, 26, 28);width:98%;margin:auto">
32 <section class="m-2 mt-4 rounded-1 logreg" style="background-color:#rgb(48, 55, 67);">
33     <div class="container py-5">
```

loginlogic.php:

```

studentPortal - loginlogic.php

1  <?php
2  if (isset($_SESSION['uname'])) {
3      header("location: ./");
4  }
5  }
6  unset($_SESSION['msgreset']);
7
8  if (isset($_POST['login'])) {
9      $email = mysqli_real_escape_string($db, $_POST["email"]);
10     $pass = mysqli_real_escape_string($db, $_POST["pass"]);
11
12     $email_search = "SELECT * FROM student where email='$email'";
13     $query = mysqli_query($db, $email_search);
14     $emailcount = mysqli_num_rows($query);
15     if ($emailcount) {
16         $email_pass = mysqli_fetch_assoc($query);
17         $db_pass = $email_pass['pass'];
18         $db_mail = $email_pass['email'];
19         $pass_decode = password_verify($pass, $db_pass);
20
21         if ($pass_decode && $db_mail === $email) {
22
23             $admincheck = "SELECT * FROM student where email='$email' and admin='active'";
24             $adquery = mysqli_query($db, $admincheck);
25             $run = mysqli_num_rows($adquery);
26             $_SESSION['islogin'] = false;
27             if ($run) {
28                 unset($_SESSION['msg']);
29                 $admindata = mysqli_fetch_assoc($adquery);
30                 $_SESSION['adname'] = "Admin";
31                 $_SESSION['uname'] = $admindata['name'];
32                 $_SESSION['email'] = $admindata['email'];
33                 $_SESSION['msg'] = "YOU ARE LOGGED IN";
34                 $_SESSION['islogin'] = true;
35             } else {
36                 unset($_SESSION['msg']);
37                 $_SESSION['uname'] = $email_pass['name'];
38                 $_SESSION['email'] = $db_mail;
39                 $_SESSION['msg'] = "YOU ARE LOGGED IN";
40                 $_SESSION['islogin'] = true;
41             }
42         }
43     ?>
44     <script>
45         location.replace("./")
46     </script>
47 <?php
48
49     } else {
50         unset($_SESSION['msg']);
51         $_SESSION['msg'] = "INCORRECT PASSWORD";
52     ?>
53     <script>
54         // alert('incorrect Password or mail');
55         location.replace("login")
56     </script>
57 <?php
58     }
59     } else {
60         unset($_SESSION['msg']);
61         $_SESSION['msg'] = "ENTER VALID EMAIL";
62     ?>
63     <script>
64         // alert('no');
65         location.replace("login")
66     </script>
67     <?php
68     }
69 }
70 ?>
71
72

```

reglogic.php:

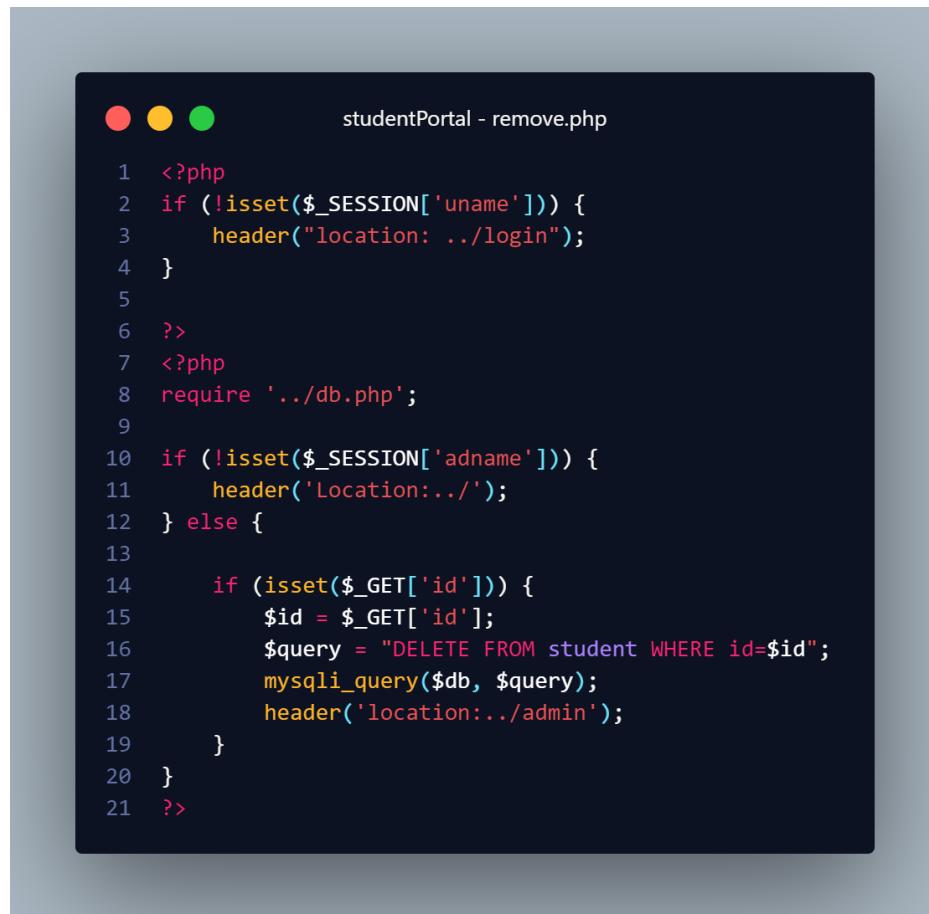
```

studentPortal - reglogic.php

1 <?php
2 if (isset($_SESSION['uname'])) {
3     header("location: ./");
4 }
5 }
6 if (isset($_POST["reg"])) {
7
8     $name = mysqli_real_escape_string($db, $_POST["name"]);
9     $email = mysqli_real_escape_string($db, $_POST["email"]);
10    $phone = mysqli_real_escape_string($db, $_POST["phone"]);
11    $eno = mysqli_real_escape_string($db, $_POST["eno"]);
12    $branch = mysqli_real_escape_string($db, $_POST["branch"]);
13    $address = mysqli_real_escape_string($db, $_POST["address"]);
14    $password = mysqli_real_escape_string($db, $_POST["pass"]);
15    $cpassword = mysqli_real_escape_string($db, $_POST["cpass"]);
16    $pass = password_hash($password, PASSWORD_BCRYPT);
17    $cpass = password_hash($cpassword, PASSWORD_BCRYPT);
18    $token = bin2hex(openssl_random_pseudo_bytes(15));
19
20    $emailquery = "SELECT * FROM student WHERE email='$email'";
21    $query = mysqli_query($db, $emailquery);
22    $emailcount = mysqli_num_rows($query);
23    if ($emailcount > 0) {
24        $_SESSION['rmsg'] = "Email already exists.";
25        header("location: ./reg.php");
26    } else {
27        if ($password === $cpassword) {
28
29            $stmt = $db->prepare("INSERT INTO student(name, email, phone, pass, cpass,eno,branch,address) VALUES ( ?, ?, ?, ?, ?, ?, ?, ?)");
30            $stmt->bind_param("ssssssss", $name, $email, $phone, $pass, $cpassword, $eno, $branch, $address);
31            $stmt->execute();
32            if ($stmt) {
33                header("location: login");
34                unset($_SESSION['rmsg']);
35                $_SESSION['registered'] = true;
36                $_SESSION['name'] = $name;
37                $_SESSION['rmsg'] = "You are registered now. Please login";
38            }
39            $stmt->close();
40
41        } else {
42            $_SESSION["rmsg"] = "Password doesn't match";
43            header("location: register");
44        }
45    }
46 }
47
48 }
49 ?>

```

remove.php:



```
studentPortal - remove.php

1 <?php
2 if (!isset($_SESSION['uname'])) {
3     header("location: ../login");
4 }
5
6 ?>
7 <?php
8 require '../db.php';
9
10 if (!isset($_SESSION['adname'])) {
11     header('Location:../');
12 } else {
13
14     if (isset($_GET['id'])) {
15         $id = $_GET['id'];
16         $query = "DELETE FROM student WHERE id=$id";
17         mysqli_query($db, $query);
18         header('location:../admin');
19     }
20 }
21 ?>
```

search.php:



```
studentPortal - search.php

1
2 <div class="row">
3     <div class="col">
4         <nav aria-label="breadcrumb" class="bg-dark rounded-3 p-3 mb-4">
5             <div>
6 <a href="/" class="nav-link text-light d-inline ">Home</a>
7             </div>
8         </nav>
9     </div>
10 </div>
11
12 <div class="row">
13     <div class="col">
14         <nav aria-label="breadcrumb" class="bg-dark rounded-3 p-3 mb-4">
15             <div>
16
17             <form class="d-flex col-12" action=".search?" method="get">
18                 <input class="form-control me-2" type="search" name="q" placeholder="Search" aria-label="Search">
19                 <button class="btn btn-outline-light shadow-none" type="submit">Search</button>
20             </form>
21         </div>
22     </nav>
23 </div>
24 </div>
```

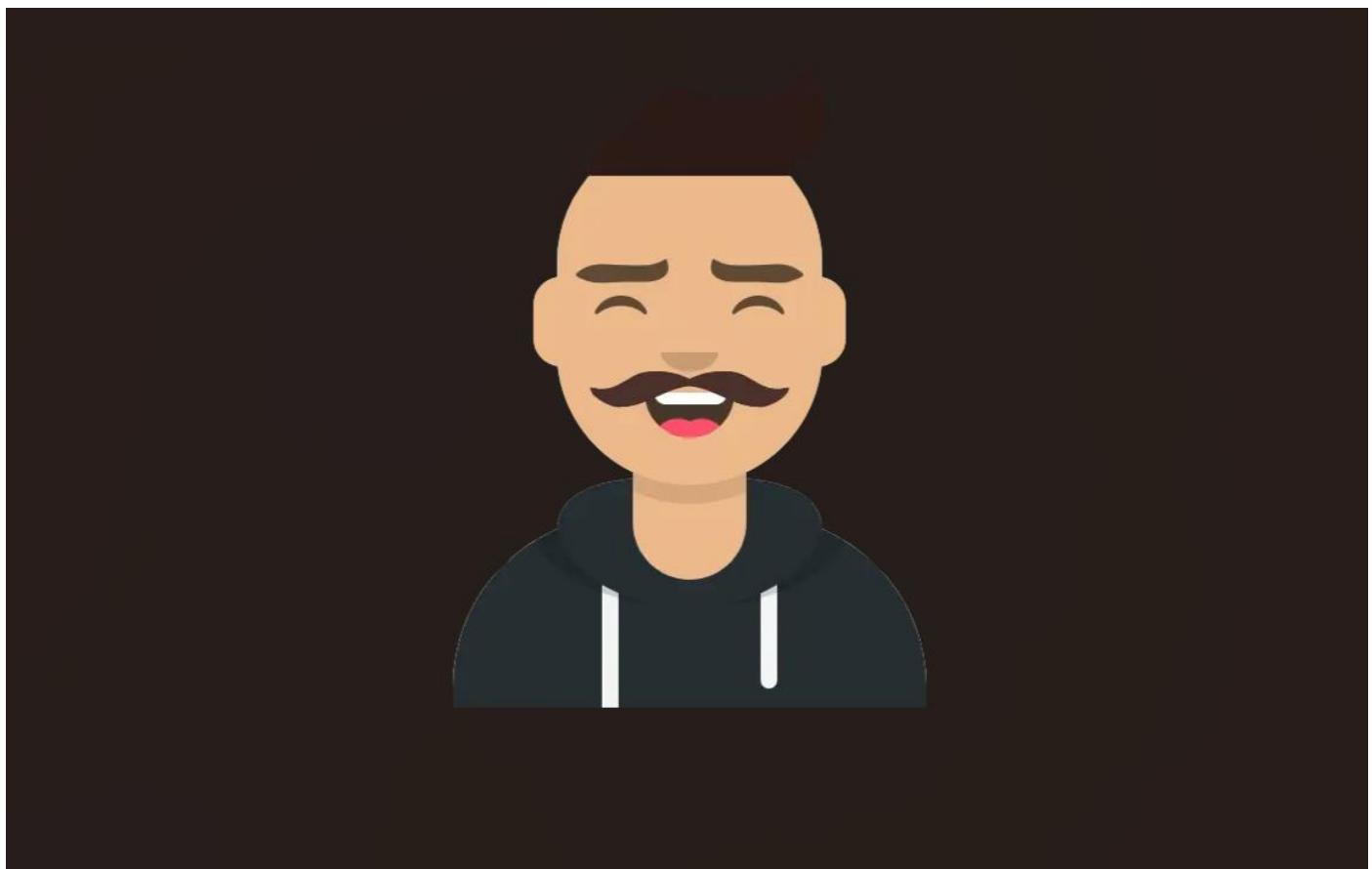
searchData.php:

```
● ○ ● studentPortal - searchdata.php
1  <div class="card-body">
2      <div class="row">
3          <div class="col-sm-3">
4              <p class="mb-0">Full Name</p>
5          </div>
6          <div class="col-sm-9">
7              <p class="text-muted mb-0">
8                  <?= $s['name'] ?>
9              </p>
10         </div>
11     </div>
12     <hr>
13     <div class="row">
14         <div class="col-sm-3">
15             <p class="mb-0">Enrollment ID</p>
16         </div>
17         <div class="col-sm-9">
18             <p class="text-muted mb-0">
19                 <?= $s['eno'] ?>
20             </p>
21         </div>
22     </div>
23     <hr>
24     <div class="row">
25         <div class="col-sm-3">
26             <p class="mb-0">Branch</p>
27         </div>
28         <div class="col-sm-9">
29             <p class="text-muted mb-0">
30                 <?= $s['branch'] ?>
31             </p>
32         </div>
33     </div>
34     <hr>
35     <div class="row">
36         <div class="col-sm-3">
37             <p class="mb-0">Email</p>
38         </div>
39         <div class="col-sm-9">
40             <p class="text-muted mb-0">
41                 <?= $s['email'] ?>
42             </p>
43         </div>
44     </div>
45     <hr>
46     <div class="row">
47         <div class="col-sm-3">
48             <p class="mb-0">
49                 Phone
50             </p>
51         </div>
52         <div class="col-sm-9">
53             <p class="text-muted mb-0">
54                 <?= $s['phone'] ?>
55             </p>
56         </div>
57     </div>
58     <hr>
59     <div class="row">
60         <div class="col-sm-3">
61             <p class="mb-0">
62                 Address
63             </p>
64         </div>
65         <div class="col-sm-9">
66             <p class="text-muted mb-0">
67                 <?= $s['address'] ?>
68             </p>
69         </div>
70     </div>
71
72 </div>
```

admin.php:

```
studentPortal - admin.php

1  <?php
2  include "./includes/head.php";
3  include "./includes/function.php";
4  include "./includes/search.php";
5  if (!isset($_SESSION['uname'])) {
6      header('location:./login');
7  }
8  $users = getAllUsers($db);
9
10 ?>
11 <p class="text-light fst-italic">Manage Students</p>
12 <?php
13 if (!isset($_SESSION['adname'])) {
14     header('location:./');
15 } else {
16     foreach ($users as $u) {
17 ?>
18     <div class="row">
19         <div class="col-lg-4">
20             <div class="card mb-4 bg-dark">
21                 <div class="card-body text-center" style="height: 342px;">
22                     
23                     <h5 class="my-3 text-light text-uppercase">
24                         <?= $u['name'] ?>
25                     </h5>
26                     <p class="text-muted mb-1">Student</p>
27                     <p class="text-muted mb-4">Assam Down Town University</p>
28                 </div>
29             </div>
30             <div class="card mb-4 bg-dark">
31                 <a href=".//includes/remove.php?id=<?= $u['id'] ?>" class="btn btn-dark shadow-none">Delete</a>
32             </div>
33         </div>
34     </div>
35     <div class="col-lg-8">
36         <div class="card mb-4 bg-dark text-light">
37             <?php
38             include "./includes/details.php";
39             ?>
40
41         </div>
42         <div class="card mb-4 bg-dark">
43             <a href="updatebyadmin?id=<?= $u['id'] ?>" class="btn btn-dark shadow-none">Edit Details</a>
44         </div>
45
46     </div>
47 </div>
48 <?php
49     }
50 }
51 ?>
52 </div>
53 </section>
54 <?php
55 include "./includes/footer.php"
56     ?>
```

avatar.png:**db.php:**

```
studentPortal - db.php

1 <?php
2
3 session_start();
4 ob_start();
5
6 $db = mysqli_connect('localhost', 'root', '', 'studentp') or die("Database is not connected");
7 if ($db) {
8     $_SESSION['db'] = true;
9     $url = "http://localhost/studentProfile";
10 }else{
11     $_SESSION['db'] = false;
12 }
13 $url = parse_url('localhost/studentProfile', PHP_URL_HOST);
14
15 ?>
16
```

index.php:

```
studentPortal - index.php

1  <?php
2  include "./includes/head.php";
3  include "./includes/function.php";
4  include "./includes/search.php";
5  if(!isset($_SESSION['uname'])) {
6      header('location:./login');
7  }
8  $u = getUser($db);
9 ?>
10     <div class="row">
11         <div class="col-lg-4">
12             <div class="card mb-4 bg-dark">
13                 <div class="card-body text-center" style="height: 342px;">
14                     
16                     <h5 class="my-3 text-light text-uppercase"><?= $u['name'] ?></h5>
17                     <p class="text-muted mb-1">Student</p>
18                     <p class="text-muted mb-1">Assam Down Town University</p>
19                 <?php
20                 if (isset($_SESSION['adname'])) {
21
22             ?>
23                 <p class="text-light mb-4"><a class="text-light" href=".//admin">Admin Dashboard</a>
24                 </p>
25
26                 <?php
27             }
28             ?>
29             </div>
30         </div>
31         <div class="card mb-4 bg-dark">
32             <a href=".//logout.php" class="btn btn-dark shadow-none">Log Out</a>
33         </div>
34     </div>
35     <div class="col-lg-8">
36         <div class="card mb-4 bg-dark text-light">
37             <?php
38             include "./includes/details.php";
39         ?>
40
41         </div>
42         <div class="card mb-4 bg-dark">
43             <a href="update" class="btn btn-dark shadow-none">Edit Details</a>
44         </div>
45
46         </div>
47     </div>
48     </div>
49     </section>
50 <?php
51 include "./includes/footer.php"
52 ?>
```

login.php:

```
studentPortal - login.php

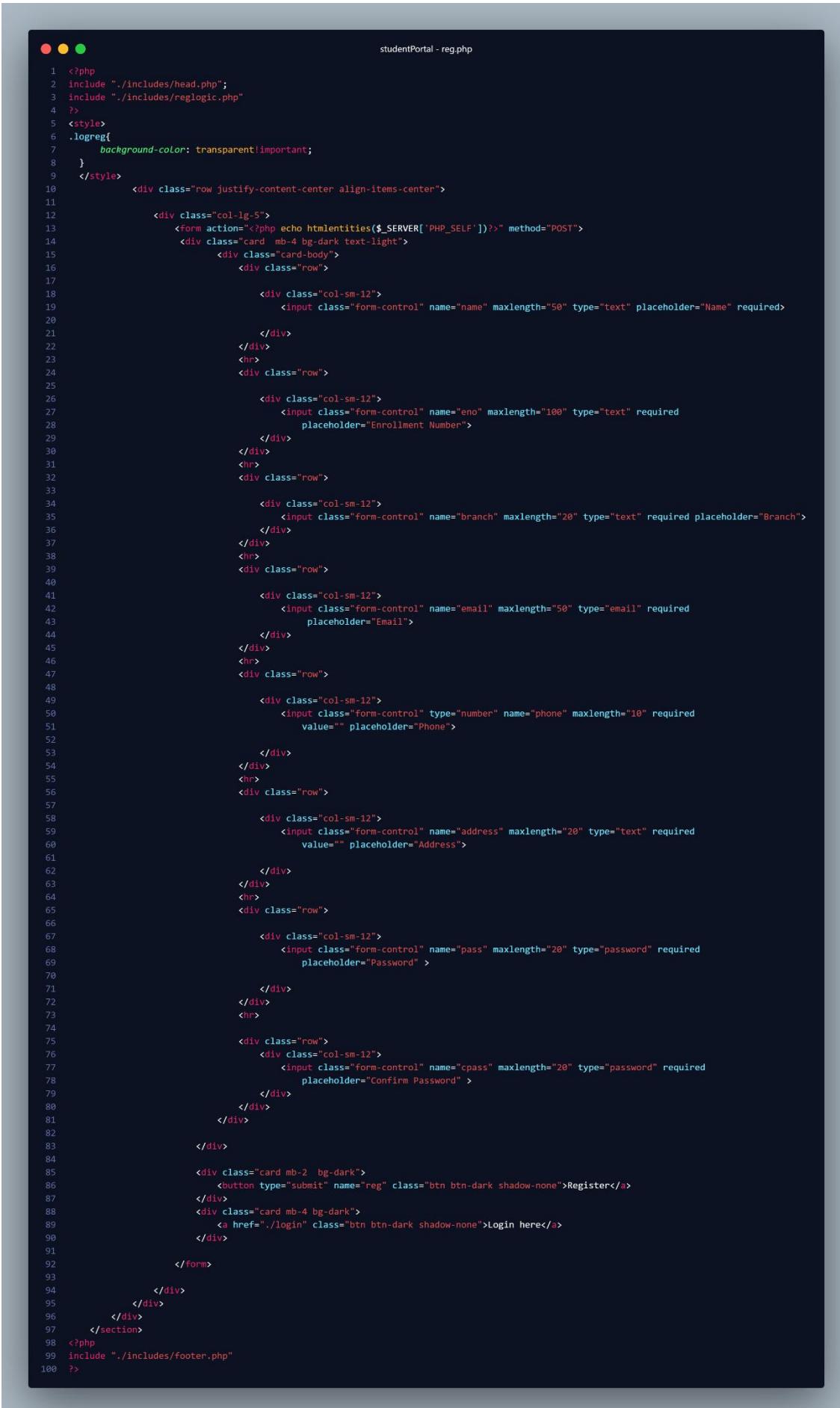
1  <?php
2  include "./includes/head.php";
3  include "./includes/loginlogic.php"
4  ?>
5  <style>
6      .logreg{
7          background-color: transparent!important;
8      }
9  </style>
10     <div class="row justify-content-center align-items-center">
11         <div class="col-lg-5">
12             <form action="php echo htmlentities($_SERVER['PHP_SELF']); ?" method="post">
13                 <div class="card mb-4 bg-dark text-light">
14                     <div class="card-body">
15                         <div class="row">
16                             <div class="col-sm-12">
17                                 <input class="form-control" name="email" maxlength="100" type="email" required
18                                     value="" placeholder="Email">
19                             </div>
20                         </div>
21                         <hr>
22                         <div class="row">
23                             <div class="col-sm-12">
24                                 <input class="form-control" name="pass" maxlength="20" type="password" required placeholder="Password" value="">
25                             </div>
26                         </div>
27                     </div>
28                 </div>
29             </div>
30         </div>
31         <div class="card mb-2 bg-dark">
32             <button type="submit" name="login" class="btn btn-dark shadow-none">Login</a>
33         </div>
34         <div class="card mb-4 bg-dark">
35             <a href=".reg" class="btn btn-dark shadow-none">Register Here</a>
36         </div>
37     </div>
38     </form>
39     </div>
40     </div>
41     </div>
42     </div>
43     </div>
44 </section>
45 <?php
46 include "./includes/footer.php"
47 ?>
```

logout.php:

studentPortal - logout.php

```
1 <?php
2 session_start();
3 unset($_SESSION['id']);
4 unset($_SESSION['name']);
5 unset($_SESSION['email']);
6 unset($_SESSION['uname']);
7 unset($_SESSION['adname']);
8 unset($_SESSION['islogin']);
9 session_destroy();
10 session_start();
11 $_SESSION['msglogout'] = 'YOU ARE LOGGED OUT !';
12 header('location:./login');
13 ?>
```

reg.php:



```

1 <?php
2 include "./includes/head.php";
3 include "./includes/reglogic.php"
4 ?>
5 <style>
6 .logreg{
7     background-color: transparent!important;
8 }
9 </style>
10    <div class="row justify-content-center align-items-center">
11
12        <div class="col-lg-5">
13            <form action="php echo htmlentities($_SERVER['PHP_SELF']); ?" method="POST">
14                <div class="card mb-4 bg-dark text-light">
15                    <div class="card-body">
16                        <div class="row">
17
18                            <div class="col-sm-12">
19                                <input class="form-control" name="name" maxlength="50" type="text" placeholder="Name" required>
20
21                            </div>
22
23                            <hr>
24
25                            <div class="row">
26
27                                <div class="col-sm-12">
28                                    <input class="form-control" name="eno" maxlength="100" type="text" required placeholder="Enrollment Number">
29
30                                </div>
31
32                                <hr>
33
34                                <div class="col-sm-12">
35                                    <input class="form-control" name="branch" maxlength="20" type="text" required placeholder="Branch">
36
37                                </div>
38
39                                <div class="row">
40
41                                    <div class="col-sm-12">
42                                        <input class="form-control" name="email" maxlength="50" type="email" required placeholder="Email">
43
44                                    </div>
45
46                                    <hr>
47
48                                    <div class="row">
49
50                                        <div class="col-sm-12">
51                                            <input class="form-control" type="number" name="phone" maxlength="10" required value="" placeholder="Phone">
52
53
54                                        </div>
55
56                                        <div class="row">
57
58                                            <div class="col-sm-12">
59                                                <input class="form-control" name="address" maxlength="20" type="text" required value="" placeholder="Address">
60
61
62
63
64
65
66
67
68
69
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98 <?php
99 include "./includes/footer.php"
100 ?>
```

search.php:

```

studentPortal - search.php

1 <?php
2 include "./includes/head.php";
3 include "./includes/function.php";
4 include "./includes/search.php";
5 if (!isset($_SESSION['uname'])) {
6     header('location:./login');
7 }
8 if (!isset($_GET['q'])) {
9     header('location:./');
10}
11 $search = getAllUsers($db);
12 ?>
13
14 <div>
15     <p style="color: #1a237e; font-size:small" class="text-uppercase fst-italic">Search Results
16     for: <?=$_GET['q']?>
17     </p>
18 </div>
19 <?php
20 if (isset($_GET['q'])) {
21
22     $data = mysqli_real_escape_string($db, $_GET["q"]);
23     $sql = "SELECT * from student where name like '%$data%' or email like '%$data%'";
24     $result = mysqli_query($db, $sql);
25     if (mysqli_num_rows($result) > 0) {
26         while ($s = mysqli_fetch_assoc($result)) {
27             ?>
28                 <div class="row">
29                     <div class="col-lg-4">
30                         <div class="card mb-4 bg-dark">
31                             <div class="card-body text-center" style="height: 342px;">
32                                 
34                                 <h5 class="my-3 text-light text-uppercase"><?=$s['name']?></h5>
35                                 <p class="text-muted mb-1">Student</p>
36                                 <p class="text-muted mb-4">Assam Down Town University</p>
37                         </div>
38                     </div>
39
40                 </div>
41                 <div class="col-lg-8">
42                     <div class="card mb-4 bg-dark text-light">
43                         <?php
44                         include('./includes/searchdata.php');
45                         ?>
46
47                     </div>
48
49                 </div>
50             </div>
51             <?php
52         }
53     }else{
54
55     ?>
56     <div>
57         <p class="text-light"> No data found !</p>
58         <a href="/" class="text-light"> HOME</a>
59     </div>
60     <?php
61     }
62 }
63 ?>
64
65
66     </div>
67     </section>
68 <?php
69     include "./includes/footer.php"
70 ?>
71
72

```

update.php:

```

studentPortal - update.php

1 <?php
2 include "./includes/head.php";
3 include "./includes/function.php";
4 if (!isset($_SESSION['uname'])) {
5   header('location:/login');
6 }
7 $u = getUser($db);
8 ?>
9 </php>
10 include "./includes/search.php";
11 ?>
12
13     <div class="row">
14       <div class="col-lg-4">
15         <div class="card mb-4 bg-dark">
16           <div class="card-body text-center" style="height: 425px;">
17             
19             <h5 class="my-3 text-light text-uppercase"><?= $u['name'] ?></h5>
20             <p class="text-muted mb-1">Student</p>
21             <p class="text-muted mb-4">Assam Down Town University</p>
22           </div>
23         </div>
24
25         <div class="card mb-2 bg-dark">
26           <a href="./logout.php" class="btn btn-dark shadow-none">Log Out</a>
27         </div>
28         <div class="card mb-2 bg-dark">
29           <a href="/" class="btn btn-dark shadow-none">Go to Home</a>
30         </div>
31     </div>
32
33     <div class="col-lg-8">
34       <form action="./includes/edit.php" method="POST">
35         <div class="card mb-4 bg-dark text-light">
36
37           <div class="card-body">
38             <div class="row">
39               <div class="col-sm-3">
40                 <p class="mb-0">Full Name</p>
41               </div>
42               <div class="col-sm-9">
43                 <input class="form-control" name="name" maxlength="120" type="text" value="<?= $u['name'] ?>" required>
44                 <input class="form-control" name="id" maxlength="120" type="hidden" value="<?= $u['id'] ?>" required>
45               </div>
46             </div>
47             <hr>
48             <div class="row">
49               <div class="col-sm-3">
50                 <p class="mb-0">Enrollment ID</p>
51               </div>
52               <div class="col-sm-9">
53                 <input class="form-control" name="eno" maxlength="120" type="text" required value="<?= $u['eno'] ?>">
54               </div>
55             </div>
56             <hr>
57             <div class="row">
58               <div class="col-sm-3">
59                 <p class="mb-0">Branch</p>
60               </div>
61               <div class="col-sm-9">
62                 <input class="form-control" name="branch" maxlength="120" type="text" required value="<?= $u['branch'] ?>" required>
63               </div>
64             </div>
65             <hr>
66             <div class="row">
67               <div class="col-sm-3">
68                 <p class="mb-0">Email</p>
69               </div>
70               <div class="col-sm-9">
71                 <input class="form-control" name="email" maxlength="120" type="email" required value="<?= $u['email'] ?>">
72               </div>
73             </div>
74             <hr>
75             <div class="row">
76               <div class="col-sm-3">
77                 <p class="mb-0">Phone</p>
78               </div>
79               <div class="col-sm-9">
80                 <input class="form-control" type="number" name="phone" maxlength="10" required value="<?= $u['phone'] ?>">
81               </div>
82             </div>
83             <hr>
84             <div class="row">
85               <div class="col-sm-3">
86                 <p class="mb-0">Address</p>
87               </div>
88               <div class="col-sm-9">
89                 <input class="form-control" name="address" maxlength="120" type="text" required value="<?= $u['address'] ?>">
90               </div>
91             </div>
92             <hr>
93             <div class="row">
94               <div class="col-sm-3">
95                 <button type="submit" name="updateP" class="btn btn-dark shadow-none">Save changes</a>
96               </div>
97             </div>
98           </div>
99         </div>
100
101         <div class="card mb-2 bg-dark">
102           <button type="submit" name="updateP" class="btn btn-dark shadow-none">Save changes</a>
103         </div>
104         <div class="card mb-2 bg-dark">
105           <a href="/" class="btn btn-dark shadow-none">Cancel</a>
106         </div>
107       </div>
108     </form>
109   </div>
110   </div>
111 </div>
112 </div>
113 </section>
114 <?php
115 include "./includes/footer.php"
116 ?>
```

updatebyadmin.php:

```

1 <?php
2 include "./includes/head.php";
3 include "./includes/function.php";
4 if (!isset($_SESSION['idname'])) {
5   header('location:./');
6 }
7 ?>
8 <?php
9 include "./includes/search.php";
10 ?>
11
12
13 <?php
14 if (!isset($_GET['id'])) {
15   header('location:./');
16 } else {
17   $id = $_GET['id'];
18   $sql = "SELECT * from student where id='$id'";
19   $result = mysqli_query($db, $sql);
20   $u = mysqli_fetch_assoc($result);
21 }
22
23 <div class="row">
24   <div class="col-lg-4">
25     <div class="card mb-4 bg-dark">
26       <div class="card-body text-center" style="height: 425px;">
27         
28         <h3 class="my-3 text-light text-uppercase">
29           <?= $u['name'] ?>
30         </h3>
31         <p class="text-muted mb-1">Student</p>
32         <p class="text-muted mb-4">Assam Down Town University</p>
33       </div>
34     </div>
35
36     <div class="card mb-2 bg-dark">
37       <a href="./includes/remove.php?id=<?= $u['id'] ?>" class="btn btn-dark shadow-none">Delete</a>
38     </div>
39     <div class="card mb-2 bg-dark">
40       <a href="./" class="btn btn-dark shadow-none">Go to Home</a>
41     </div>
42   </div>
43
44   <div class="col-lg-8">
45     <form action="./includes/edit.php" method="POST">
46       <div class="card mb-4 bg-dark text-light">
47
48         <div class="card-body">
49           <div class="row">
50             <div class="col-sm-3">
51               <p class="mb-0">Full Name</p>
52             </div>
53             <div class="col-sm-9">
54               <input class="form-control" name="name" maxlength="20" type="text"
55               value="<?= $u['name'] ?>" required>
56               <input class="form-control" name="id" maxlength="120" type="hidden" value="<?= $u['id'] ?>" required>
57             </div>
58           </div>
59         </div>
60       </div>
61       <div class="row">
62         <div class="col-sm-3">
63           <p class="mb-0">Enrollment ID</p>
64         </div>
65         <div class="col-sm-9">
66           <input class="form-control" name="eno" maxlength="120" type="text" required
67           value="<?= $u['eno'] ?>">
68         </div>
69       </div>
70     </div>
71     <div class="row">
72       <div class="col-sm-3">
73         <p class="mb-0">Branch</p>
74       </div>
75       <div class="col-sm-9">
76         <input class="form-control" name="branch" maxlength="120" type="text" required
77         value="<?= $u['branch'] ?>" required>
78       </div>
79     </div>
80   </div>
81   <div class="row">
82     <div class="col-sm-3">
83       <p class="mb-0">Email</p>
84     </div>
85     <div class="col-sm-9">
86       <input class="form-control" name="email" maxlength="120" type="email" required
87       value="<?= $u['email'] ?>">
88     </div>
89   </div>
90   <div class="row">
91     <div class="col-sm-3">
92       <p class="mb-0">Phone</p>
93     </div>
94     <div class="col-sm-9">
95       <input class="form-control" type="number" name="phone" maxlength="10" required
96       value="<?= $u['phone'] ?>">
97     </div>
98   </div>
99
100  <div class="row">
101    <div class="col-sm-3">
102      <p class="mb-0">Address</p>
103    </div>
104    <div class="col-sm-9">
105      <input class="form-control" name="address" maxlength="120" type="text" required
106      value="<?= $u['address'] ?>">
107    </div>
108  </div>
109
110  </div>
111
112  </div>
113
114  </div>
115
116  </div>
117
118  <div class="card mb-2 bg-dark">
119    <button type="submit" name="updateAP" class="btn btn-dark shadow-none">Save changes</button>
120  </div>
121  <div class="card mb-2 bg-dark">
122    <a href"./" class="btn btn-dark shadow-none">Cancel</a>
123  </div>
124
125  </form>
126
127  </div>
128 </div>
129 <?php
130 }
131 ?>
132 </div>
133 </section>
134 <?php
135 include "./includes/footer.php"
136 ?>
```

STEP4: Creating a database named “studentp” and one table named “student” in it.

studentp.sql

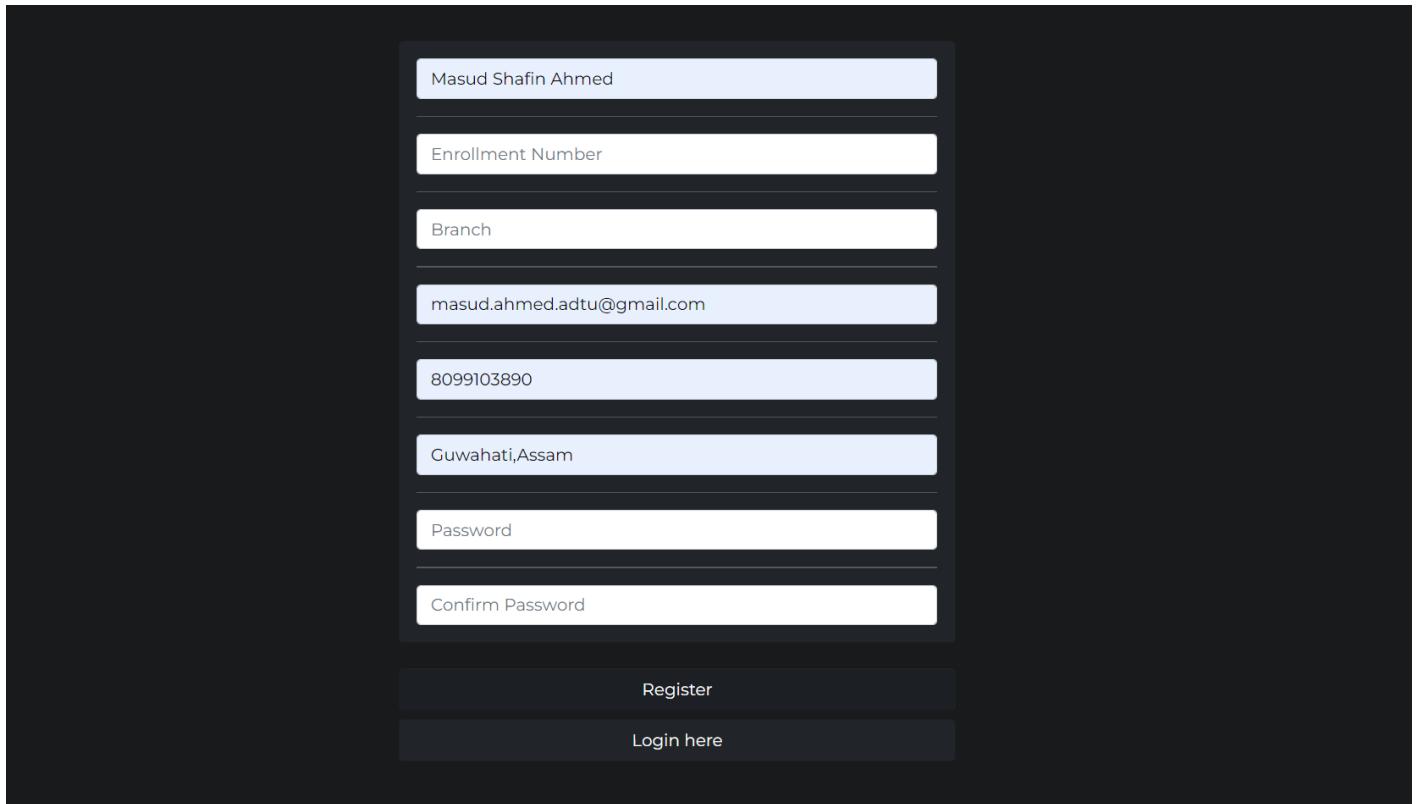
```

1 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
2 START TRANSACTION;
3 SET time_zone = "+00:00";
4
5 --
6 -- Database: `studentp`
7 --
8
9 --
10
11 --
12 -- Table structure for table `student`
13 --
14
15 CREATE TABLE `student` (
16   `id` int(11) NOT NULL,
17   `name` varchar(255) NOT NULL,
18   `eno` varchar(255) NOT NULL,
19   `branch` varchar(255) NOT NULL,
20   `email` varchar(255) NOT NULL,
21   `phone` varchar(255) NOT NULL,
22   `address` varchar(255) NOT NULL,
23   `pass` varchar(255) NOT NULL,
24   `cpass` varchar(255) NOT NULL,
25   `admin` varchar(255) NOT NULL DEFAULT '0'
26 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
27
28 --
29 -- Dumping data for table `student`
30 --
31
32 INSERT INTO `student`(`id`, `name`, `eno`, `branch`, `email`, `phone`, `address`, `pass`, `cpass`, `admin`) VALUES
33 (1, 'Shafin Ahmed', 'CT15014', 'Btech', 'xx@gmail.com', '6001932077', 'Guwahati,Assam', '$2y$10$2/SXvpdzael0ukcx5vcve2oHpmvKLG7B060pJoiJRH16Tkdl5VbG', '$2y$10$6Q0t14/P83.1xXnEOEuJWwKozmnA0bn4VchexByHMGj9pNkC.jS', 'active'),
34 (2, 'User', 'CT15014', 'Btech', 'masud.ahmed.adtu@gmail.com', '6001932077', 'Guwahati,Assam', '$2y$10$umug91.wr19ass.4pwBd./f/13302cL3aRCOFInPw16LEBv1', '$2y$10$u2cn1clwY0mibQLAr/c9.LX1iv18PQEqlcHCW.umc/xypyZEqPC', '0');
35
36 --
37 -- Indexes for dumped tables
38 --
39
40 --
41 -- Indexes for table `student`
42 --
43 ALTER TABLE `student`
44 ADD PRIMARY KEY (`id`);
45
46 --
47 -- AUTO_INCREMENT for dumped tables
48 --
49
50 --
51 -- AUTO_INCREMENT for table `student`
52 --
53 ALTER TABLE `student`
54 MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
55 COMMIT;
56
57

```

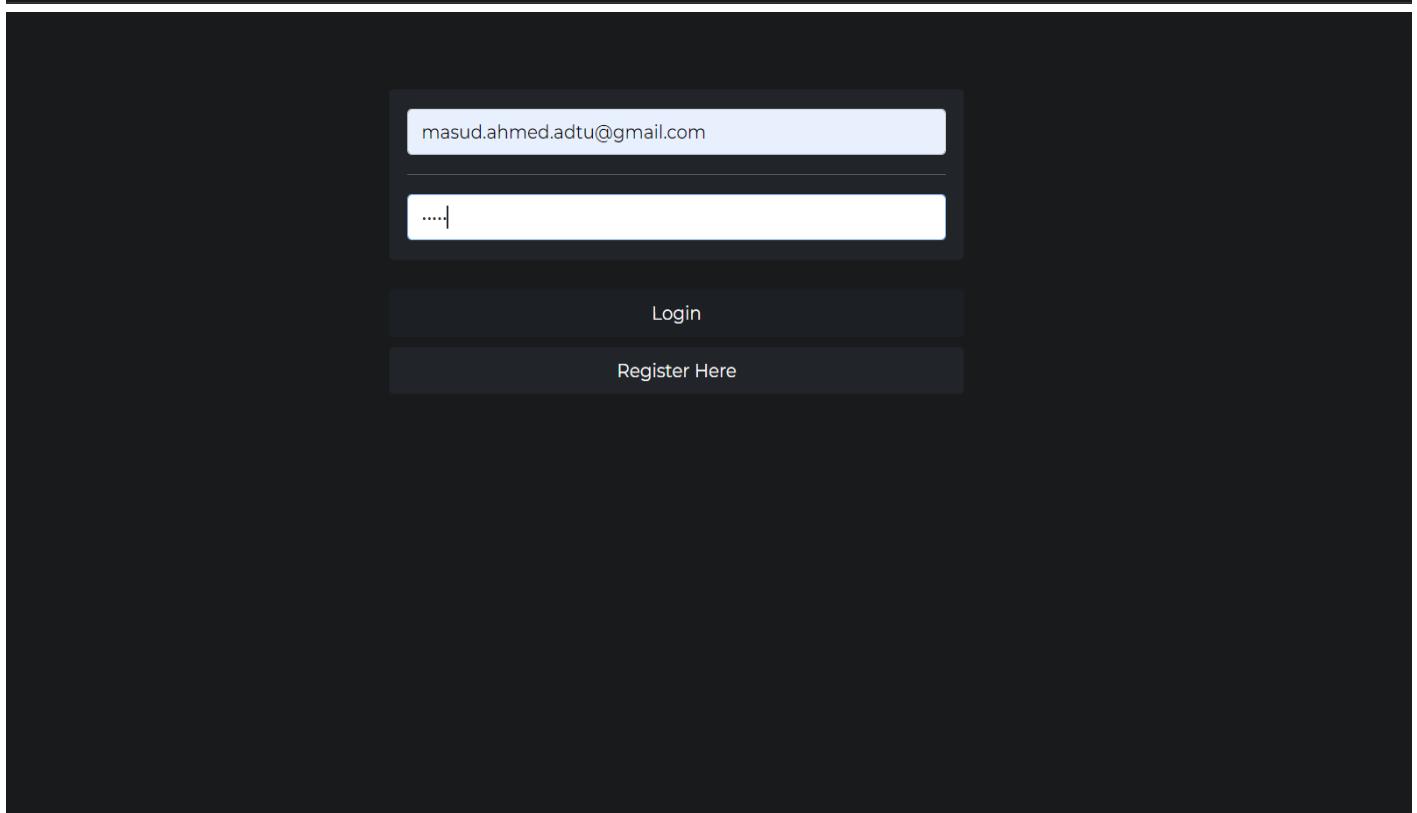
STEP5: Open XAMPP server and then start Apache and MySQL.

STEP6: Opening <http://localhost/studentPortal> in browser.

OUTPUT:

A registration form with the following fields and buttons:

- Masud Shafin Ahmed
- Enrollment Number
- Branch
- masud.ahmed.adtu@gmail.com
- 8099103890
- Guwahati, Assam
- Password
- Confirm Password
- Register
- Login here



A login form with the following fields and buttons:

- masud.ahmed.adtu@gmail.com
-
- Login
- Register Here

Home

Search

User Profile:

USER
Student
Assam Down Town University

Full Name	User
Enrollment ID	CTIS014
Branch	Btech
Email	masud.ahmed.adtu@gmail.com
Phone	6001932077
Address	Guwahati, Assam

Log Out Save changes Go to Home Cancel

Home

Search

User Profile:

USER
Student
Assam Down Town University

Full Name	User
Enrollment ID	CTIS014
Branch	Btech
Email	masud.ahmed.adtu@gmail.com
Phone	6001932077
Address	Guwahati, Assam

Log Out Edit Details

The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with a 'Home' link and a search bar containing the text 'user'. Below the search bar, a message says 'SEARCH RESULTS FOR: USER'. On the left, there's a card for a user named 'USER' (Assam Down Town University) with a placeholder profile picture. To the right, detailed user information is listed in a table format:

Full Name	User
Enrollment ID	CTIS014
Branch	Btech
Email	masud.ahmed.adtu@gmail.com
Phone	6001932077
Address	Guwahati, Assam

This screenshot shows the same application interface after a user has been selected. The user card now displays the name 'SHAFIN AHMED' (Assam Down Town University). Below the card are two buttons: 'Delete' and 'Edit Details'. To the right, another table shows the user's details:

Full Name	Shafin Ahmed
Enrollment ID	CTIS014
Branch	Btech
Email	xx@gmail.com
Phone	6001932077
Address	Guwahati, Assam

The status bar at the bottom of the browser window shows the URL: 'localhost/studentPortal/includes/remove.php?id=3'.

Source code link: <https://github.com/blackipie/studentportal>