

# **VTU E-LEARNING PLATFORM**

*Project report submitted  
in partial fulfillment of the requirement for award of the degree of*

**Bachelor of Technology  
in  
Computer Science & Engineering**

**By**

**POLIMERA GANESH                          (19UECS0775)**  
**BHAGAVATULA VENKATA                      (19UECS0117)**  
**SAI ASHWIN**

**1151CS202 -INTERNET PROGRAMMING**

**SUMMER/21-22**

*Under the guidance of  
Dr.R.Aruna, M.Tech.,Ph.D.,  
ASSISTANT PROFESSOR*



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
SCHOOL OF COMPUTING**

**VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF  
SCIENCE AND TECHNOLOGY**

**(Deemed to be University Estd u/s 3 of UGC Act, 1956)**

**Accredited by NAAC with A Grade**

**CHEENNAI 600 062, TAMILNADU, INDIA**

**November,2021**

# **CERTIFICATE**

It is certified that the work contained in the project report titled "VTU E-LEARNING PLATFORM" by "POLIMERA GANESH (19UECS0775) BHAGAVATULA VENKATA SAI ASHWIN (19UECS0117)" has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

**Signature of Handling Faculty**  
**DR. R. Aruna,M.Tech.,Ph.D.,**  
**Assistant Professor**  
**Computer Science & Engineering**  
**School of Computing**  
**Vel Tech Rangarajan Dr.Sagunthala R&D**  
**Institute of Science and Technology**  
**May,2022**

**Signature of Head of the Department**  
**Dr. V. Srinivasa Rao**  
**Professor & Head**  
**Computer Science & Engineering**  
**School of Computing**  
**Vel Tech Rangarajan Dr.Sagunthala R&D**  
**Institute of Science and Technology**  
**May ,2022**

# **DECLARATION**

We declare that this written submission represents my ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

(Signature)

POLIMERA GANESH

Date: / /

(Signature)

BHAGAVATULA VENKATA SAI ASHWIN

Date: / /

# **APPROVAL SHEET**

This project report entitled (VT NOTES) by (POLIMERA GANESH (19UECS0775), (BHAGAVAT-ULA VENKATA SAI ASHWIN (19UECS0117) is approved for the degree of B.Tech in Computer Science & Engineering.

**Examiners****Handling faculty**

Dr.R.Aruna, M.Tech.,Ph.D.,

**Date:** / /

**Place:**

## **ABSTRACT**

Our aim is to develop a note sharing website that helps students to download and upload notes their notes as pdf's and can be accessed by peer students at the time of preparation for exams. This helps the students to interact with the notes of peer students, hassle free. Students can view the notes at the time they want to. This is a daily-use productivity web application specially designed for Vel Tech students and who have trouble getting notes at the peak exam time and need handy notes to get enough content out of brightest student notes uploaded. In this web-site we used the languages HTML, CSS3 for the front end of the website. For the back-end we are using Php, MySQL. XAMPP tool was used for the database connectivity using an Apache server.

**Keywords:** **Php,HTML,CSS**

# LIST OF FIGURES

3.1	<b>Architecture Diagram</b>	3
3.2	<b>Data Flow Diagram</b>	4
3.3	<b>UI Design</b>	5
3.4	<b>Login Page</b>	6
3.5	<b>Sign Up Page</b>	6
3.6	<b>Navigation</b>	7
3.7	<b>Logo</b>	7
3.8	<b>Responsiveness</b>	8
3.9	<b>Database-1</b>	8
3.10	<b>Database-2</b>	9
4.1	<b>Regression Testing</b>	11
4.2	<b>Acceptence Testing</b>	12
5.1	<b>Test Image</b>	13

# **LIST OF ACRONYMS AND ABBREVIATIONS**

HTML            Hyper Text Markup Language

CSS            Cascading Style Sheets

Js            Java Script

SMTP            Simple Mail Transfer Protocol

PHP            Hypertext Preprocessor

# TABLE OF CONTENTS

	Page.No
<b>ABSTRACT</b>	<b>iv</b>
<b>LIST OF FIGURES</b>	<b>v</b>
<b>LIST OF ACRONYMS AND ABBREVIATIONS</b>	<b>vi</b>
<b>1 INTRODUCTION</b>	<b>1</b>
1.1 Introduction . . . . .	1
1.2 Aim of the project . . . . .	1
1.3 Project Domain . . . . .	1
1.4 Scope of the Project . . . . .	1
<b>2 REQUIREMENT SPECIFICATION</b>	<b>2</b>
2.1 Dependencies . . . . .	2
2.2 Hardware specification . . . . .	2
2.3 Software specification . . . . .	2
<b>3 WEBSITE DESIGN</b>	<b>3</b>
3.1 Sitemap . . . . .	3
3.2 Design Phase . . . . .	4
3.2.1 Data Flow Diagram . . . . .	4
3.3 FRONT END . . . . .	5
3.3.1 UI Design of Website . . . . .	5
3.3.2 Login page . . . . .	6
3.3.3 Signup page . . . . .	6
3.3.4 Visual Elements . . . . .	7
3.3.5 Responsiveness . . . . .	8
3.4 BACK END . . . . .	8
3.4.1 Database connectivity . . . . .	8
<b>4 TESTING</b>	<b>10</b>
4.1 Testing . . . . .	10

4.1.1	Regression Testing . . . . .	10
4.1.2	Acceptence Testing . . . . .	11
<b>5</b>	<b>WEBSITE LAUNCH</b>	<b>13</b>
<b>6</b>	<b>RESULTS AND DISCUSSIONS</b>	<b>14</b>
6.1	Website performance . . . . .	14
6.2	Security . . . . .	14
6.3	Responsiveness and mobile-friendliness . . . . .	14
<b>7</b>	<b>CONCLUSION AND FUTURE ENHANCEMENTS</b>	<b>15</b>
7.1	Conclusion . . . . .	15
7.2	Future Enhancements . . . . .	15
<b>8</b>	<b>SOURCE CODE</b>	<b>16</b>
8.1	Front end code . . . . .	16
8.1.1	HTML . . . . .	16
8.1.2	CSS . . . . .	19
8.1.3	JS . . . . .	24
8.2	Back end code . . . . .	25
8.2.1	PHP . . . . .	25
<b>9</b>	<b>SCREENSHOTS</b>	<b>28</b>

# **Chapter 1**

## **INTRODUCTION**

### **1.1 Introduction**

Digitization of the world has led to many advances in technology and how we do things. After the Covid outbreak the way students studied for college has changed. The transfer from a written mode to studying from pdfs and power point presentations has made the college notes way more accessible and easy to study on the go. Nowadays students find difficulty in fetching notes of a particular subject due to some criteria. This E-Learning platform helps to share the notes that is written by peer students and can be helpful for other students to download and view the content.

### **1.2 Aim of the project**

Aim of our project is to develop a web application that helps the students to share the notes and view the notes of the peer students that can help them to score good marks in their exams. The users have to create an account in order to view the source.

### **1.3 Project Domain**

We have developed this website with HTML, CSS for login pages that requires database is developed by php. The Domain is that internet programming, the concepts related to internet has been used in our project.

### **1.4 Scope of the Project**

Scope of the project is to create a web app that is able to share notes of the subject and gain knowledge which increases the productivity and saves time.

## **Chapter 2**

# **REQUIREMENT SPECIFICATION**

### **2.1 Dependencies**

- jquery
- SMTP
- Html
- Css
- js

### **2.2 Hardware specification**

- Processor – PENTIUM IV 2.4GHz
- RAM -2GB
- Hard Disk - 200GB
- Key Board - Standard Windows Keyboard

### **2.3 Software specification**

- Operating System - Windows, Linux, mac etc.,
- Server - Xampp
- Browser - Chrome, Firefox etc. . . ,
- Language - PHP
- Database – MySQL server
- Additional Software – Visual Code Studio

# Chapter 3

## WEBSITE DESIGN

### 3.1 Sitemap

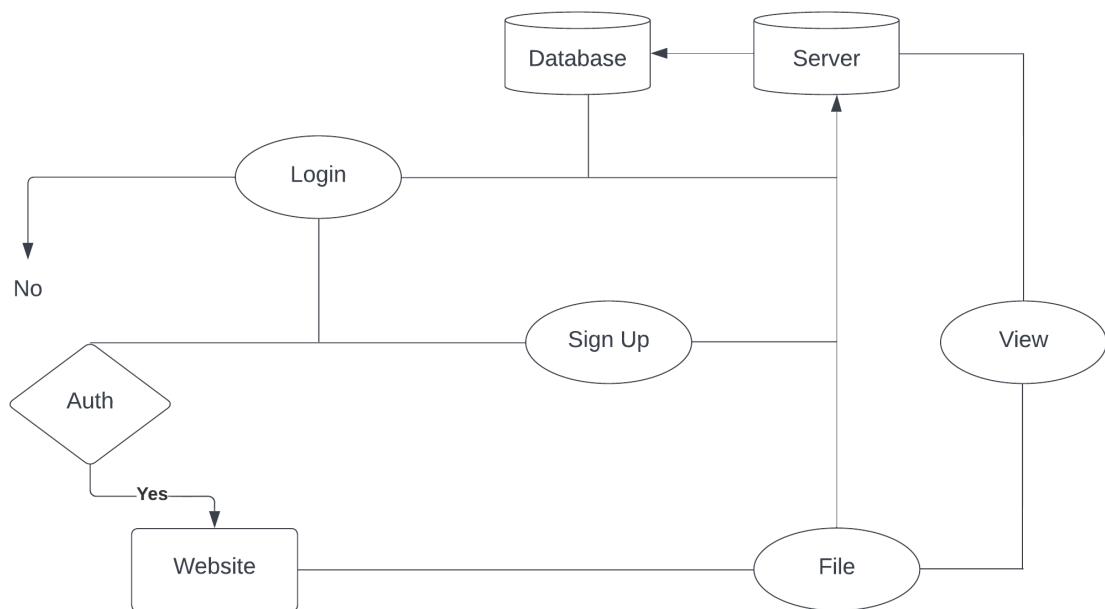


Figure 3.1: **Architecture Diagram**

## 3.2 Design Phase

### 3.2.1 Data Flow Diagram



Figure 3.2: Data Flow Diagram

### 3.3 FRONT END

#### 3.3.1 UI Design of Website

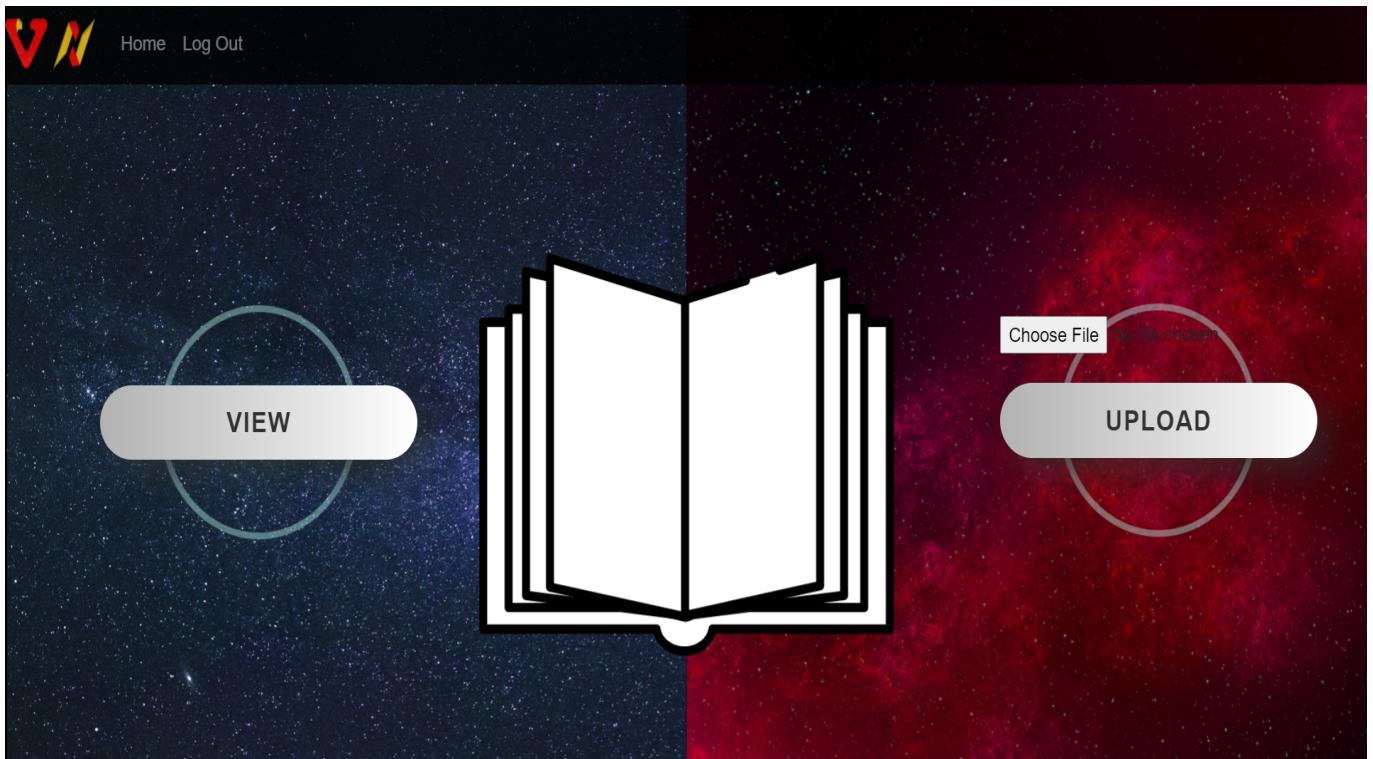


Figure 3.3: UI Design

### 3.3.2 Login page

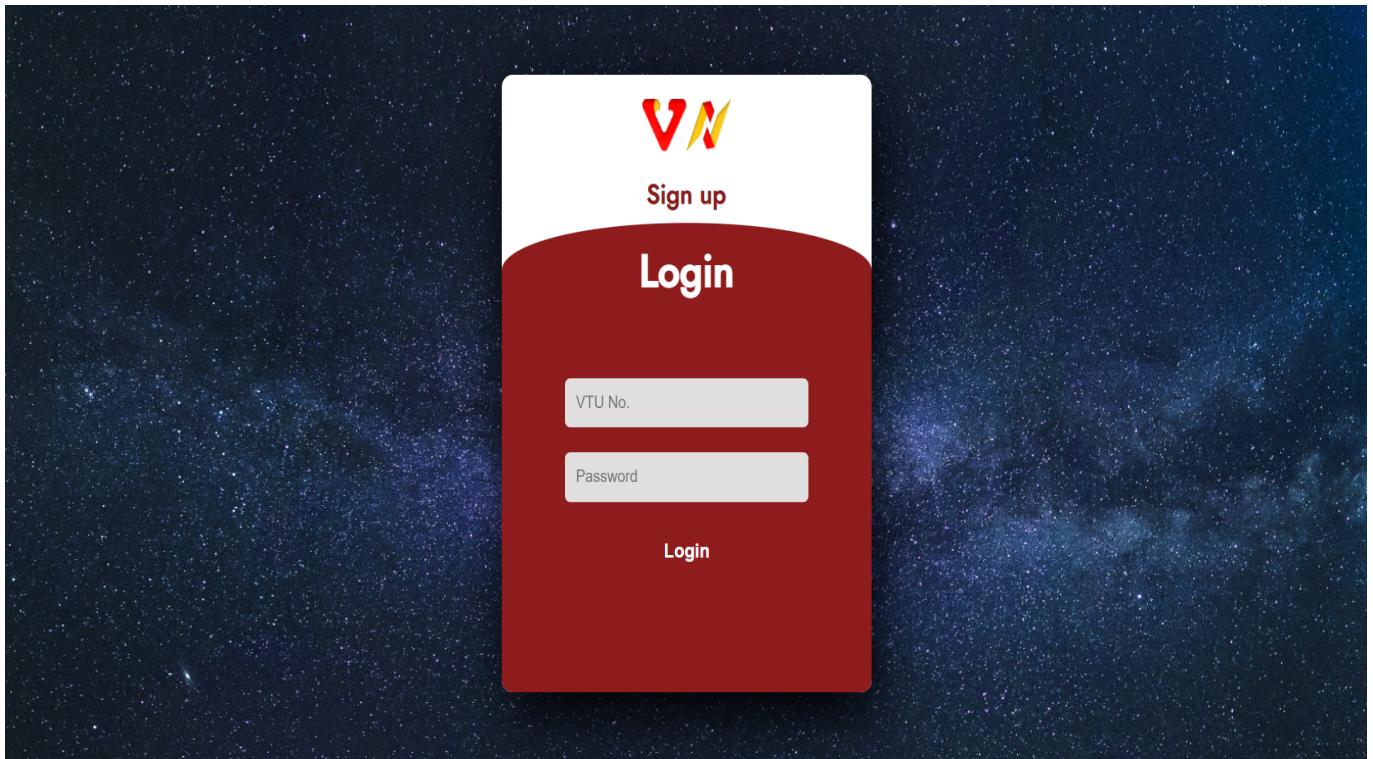


Figure 3.4: **Login Page**

### 3.3.3 Signup page

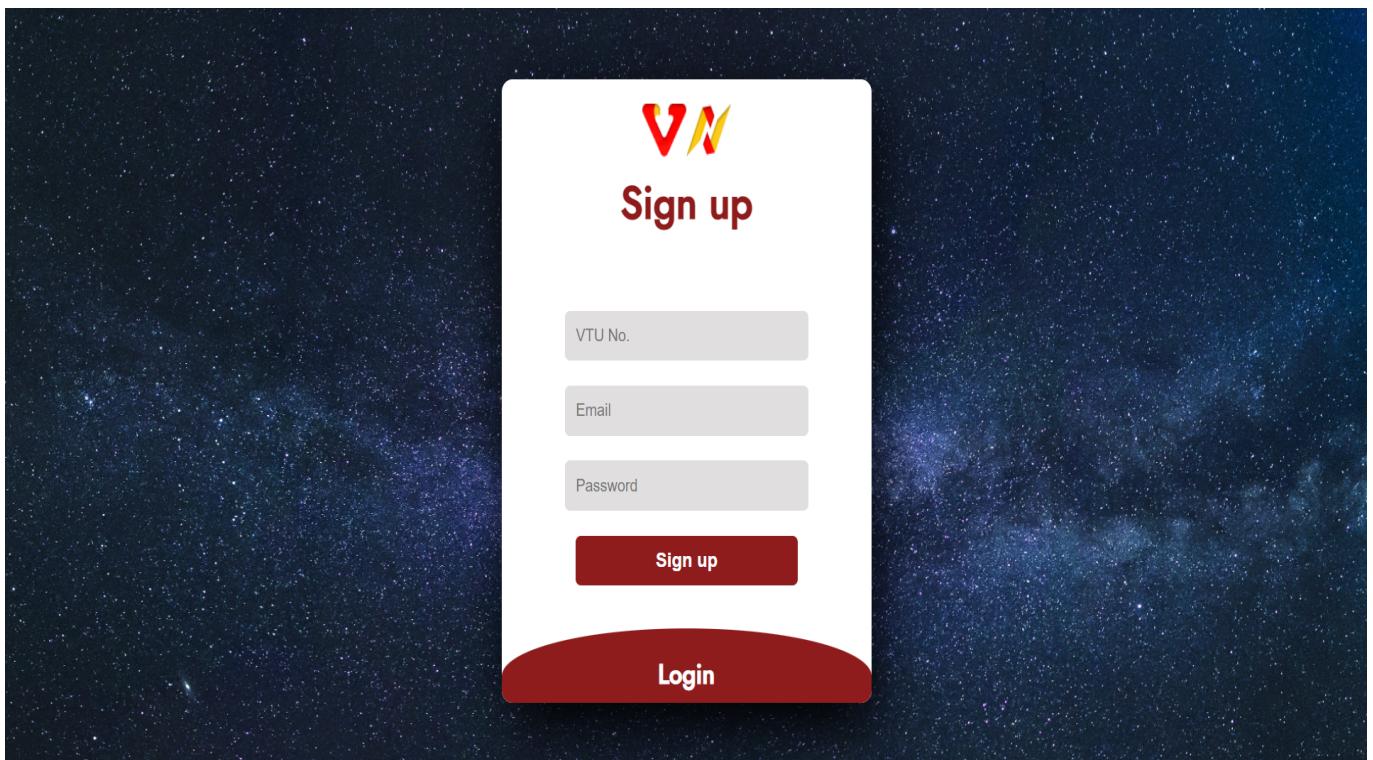


Figure 3.5: **Sign Up Page**

### 3.3.4 Visual Elements

#### Nav Bars

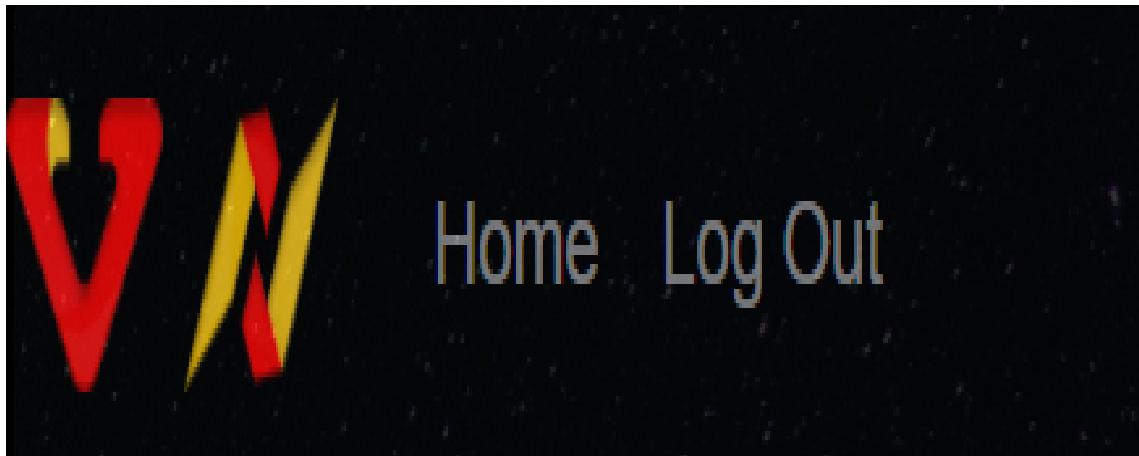


Figure 3.6: Navigation

#### LOGO:



Figure 3.7: Logo

#### COLOUR SCHEME:

For the website we decided to go with a space blue theme. The colours of Vel Tech red, brown, yellow are the most dominant colours for our website. This color combination gives the website a uber cool and decent look which gives the user an enhanced experience.

### 3.3.5 Responsiveness

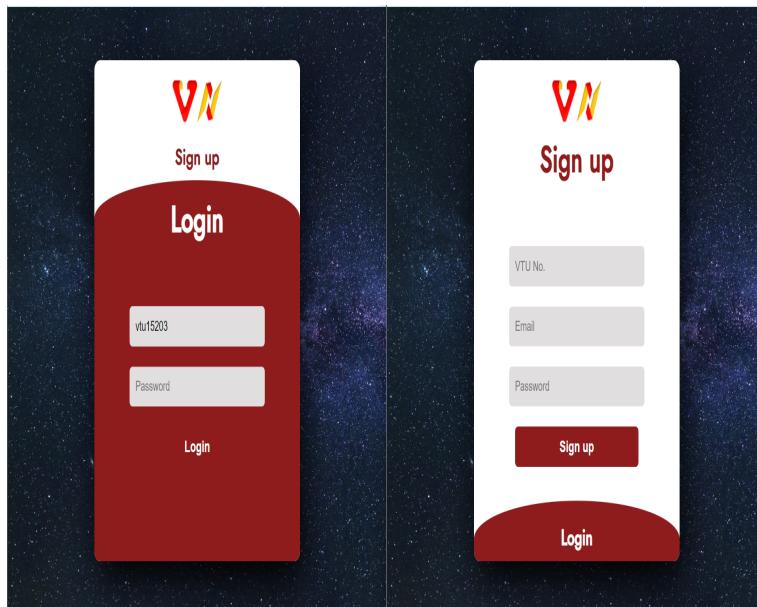


Figure 3.8: **Responsiveness**

## 3.4 BACK END

### 3.4.1 Database connectivity

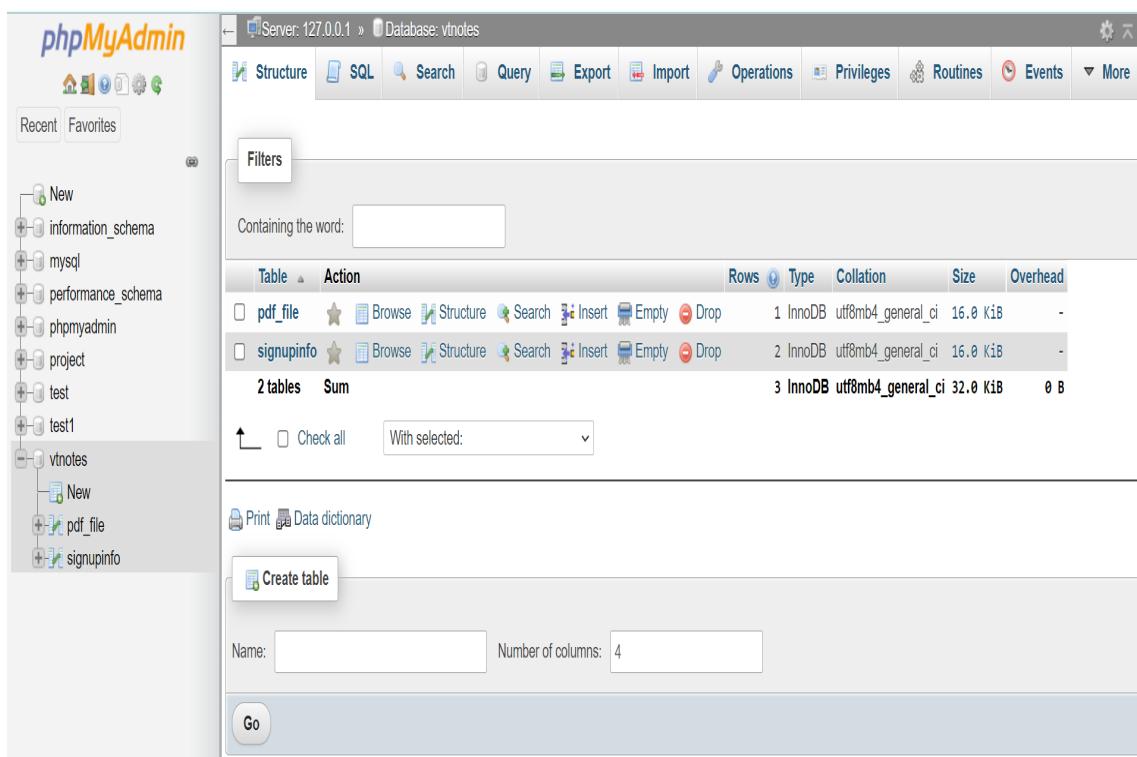


Table	Action	Rows	Type	Collation	Size	Overhead
pdf_file	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
signupinfo	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-

Figure 3.9: **Database-1**

Browse Structure SQL Search Insert Export Import Privileges

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 1 (2 total, Query took 0.0016 seconds.)

```
SELECT * FROM `signupinfo`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

vtuno	email	password
vtu15203	vtu15203@veltech.edu.in	614416c557d290c3e81571330d44acc6
vtu15391	vtu15391@veltech.edu.in	eb948af4b18a091640b1c40487738496

Show all | Number of rows: 25 Filter rows: Search this table

Query results operations

Figure 3.10: Database-2

# **Chapter 4**

## **TESTING**

The reason for testing is to find mistakes. Testing is the way toward attempting to find each possible shortcoming or shortcomings in a work item. It gives an approach to check the usefulness of segments, sub-gatherings, congregations as well as a completed item. It is the way toward practicing programming with the goal of guaranteeing that the Software framework lives up to its necessities and client desires and doesn't flop in an in admissible way.

### **4.1 Testing**

#### **4.1.1 Regression Testing**

The Regression Testing is generally done whenever modifications are made to the source code of a project. The Regression Testing can also be defined as the process of testing changes made to the computer program and also makes sure that the older programming still works with the new changes. So, before any new version of a software product is released, the old test cases for the project will be run against the software with the changes made, to make sure.

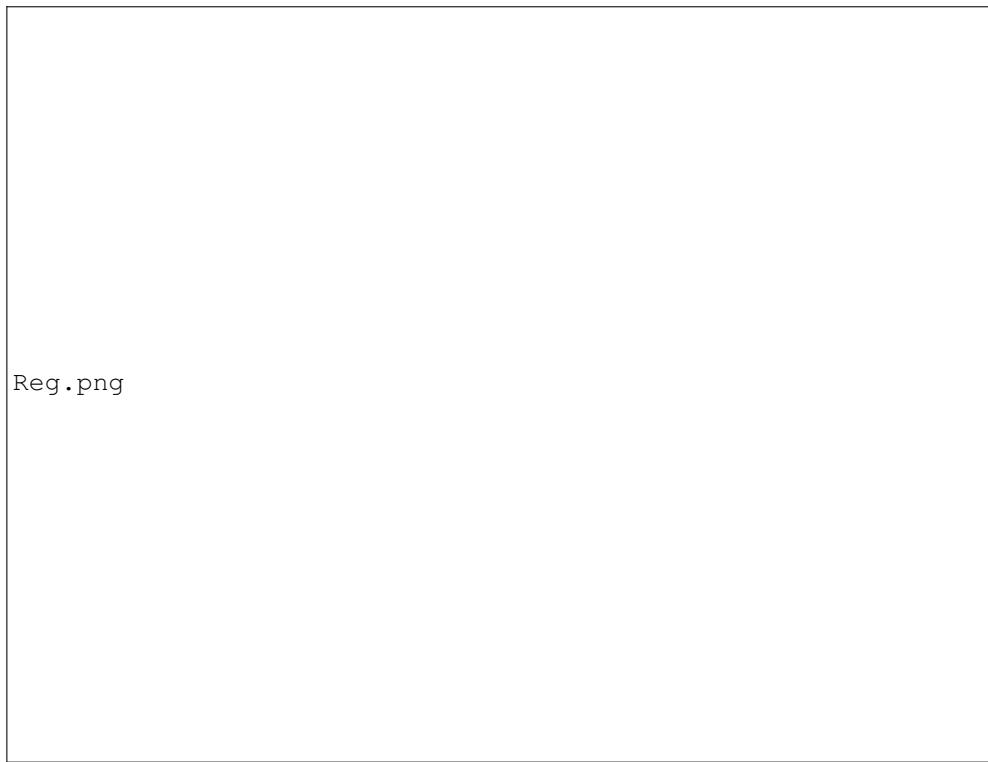
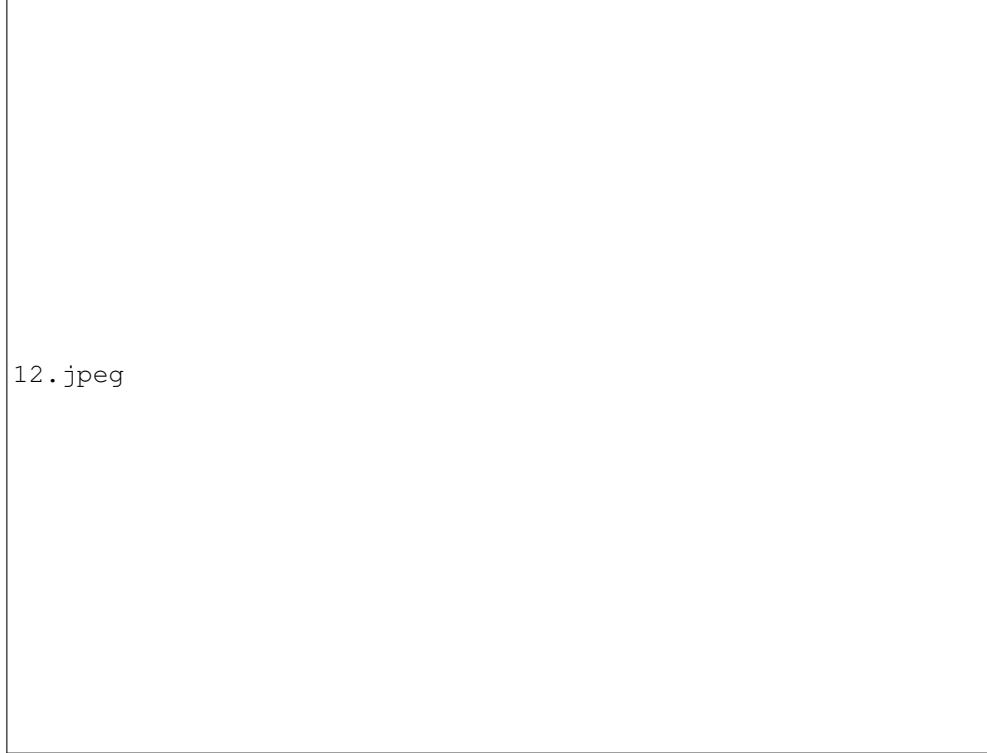


Figure 4.1: **Regression Testing**

#### 4.1.2 Acceptance Testing

This testing is generally performed when the project is nearing its end. This test mainly qualifies the project and decides if it will be accepted by the users of the system.



12.jpeg

Figure 4.2: **Acceptance Testing**

# Chapter 5

## WEBSITE LAUNCH

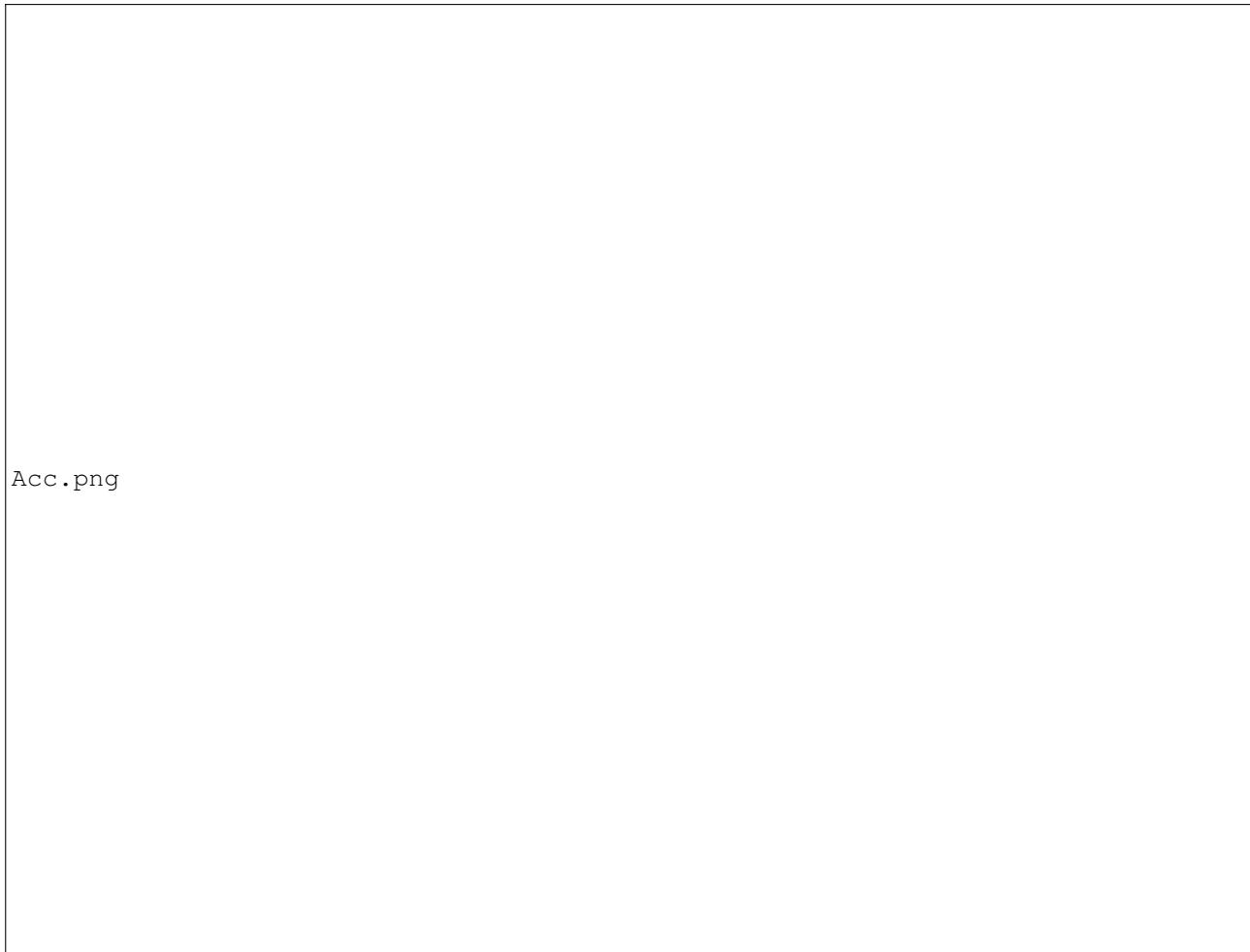


Figure 5.1: **Test Image**

We Launched Our Website online using Github pages

You can view our website by clicking following link:<https://sainath055.github.io/ToDos.github.io/>

# **Chapter 6**

## **RESULTS AND DISCUSSIONS**

### **6.1 Website performance**

The website is made with PHP and Apache server which provides fast access to data and loads the website faster than other HTML sites. This website also provides a user-friendly interface. The load time of the website depends upon the internet speed and performance is better compared to other HTML sites.

### **6.2 Security**

The website is developed using the local server(XAMPP) the security levels are not upto the level, but we can make the website secured and protect the user information by monitoring and fixing the bugs at back end everytime. The passwords are also secured which are not even accesible to the admin.

### **6.3 Responsiveness and mobile-friendliness**

As the website is developed using the Bootstrap and javascript it is more responsive and dynamic in nature compared to other webpages, besides the webpage align automatically based on the size of the device screen because of its responsive nature. Hence it is both desktop friendly and mobile friendly application.

# **Chapter 7**

## **CONCLUSION AND FUTURE ENHANCEMENTS**

### **7.1 Conclusion**

We conclude that in this busy and hectic world , there are many applications which can decrease this hussle and this web application is successful in its function i.e, Noting down tasks and reminding.

### **7.2 Future Enhancements**

In future, we can link this website to your calender too, and the reminder can be enchansed more with personalised messages.

# Chapter 8

## SOURCE CODE

### 8.1 Front end code

#### 8.1.1 HTML

```
dist > ⚡ index.html > ...
1  <!DOCTYPE html>
2  <html lang="en" >
3  <head>
4  |   <meta charset="UTF-8">
5  |   <title>VT Notes</title>
6  |   <link rel="stylesheet" href="./style.css">
7
8  </head>
9  <body>
10 <!-- partial:index.partial.html -->
11 <!DOCTYPE html>
12 <html>
13 <head>
14 |   <title>Slide Navbar</title>
15 |   <link rel="stylesheet" type="text/css" href="slide navbar style.css">
16 <link href="https://fonts.googleapis.com/css2?family=Jost:wght@500&display=swap" rel="stylesheet">
17 </head>
18 <body>
19 |   <div class="main" style="background-color: ■#fff;">
20
21 |       <input type="checkbox" id="chk" aria-hidden="true">
22
23 |           <div class="signup" >
24 |               <div id="vn">
25 |                   
26 |                   
27 |               </div>
28
```

```
<form action="index.php" method="post">
    <label for="chk" aria-hidden="true">Sign up</label>
    <input type="text" name="txt" placeholder="VTU No." required="">
    <input type="email" name="email" placeholder="Email" required="">
    <input type="password" name="pswd" placeholder="Password" required="">
    <button>Sign up</button>
</form>
</div>

<div class="login">
    <form action="index.php" method="post">
        <label for="chk" aria-hidden="true">Login</label>
        <input type="text" name="VTU No." placeholder="VTU No." required="">
        <input type="password" name="pswd" placeholder="Password" required="">
        <a id="login_btn" href=".//homepage.html">Login</a>
    </form>
</div>
</div>
</body>
</html>
<!-- partial --&gt;

&lt;/body&gt;
&lt;/html&gt;</pre>
```

```
dist > <> homepage.html > ...
1   <!DOCTYPE html>
2   <html lang="en" >
3     <head>
4       <meta charset="UTF-8">
5       <title>VT Notes Homepage</title>
6       <link rel="stylesheet" href="./homepage.css">
7
8     </head>
9     <body>
10       <div class="view">
11         <button class="button">View</button>
12       </div>
13       <div class="upload">
14         <button class="button">Upload</button>
15       </div>
16
17     </body>
18   </html>
```

## 8.1.2 CSS

```
dist > # style.css > ↵ body
1  body{
2      margin: 0;
3      padding: 0;
4      display: flex;
5      justify-content: center;
6      align-items: center;
7      min-height: 100vh;
8      font-family: 'Jost', sans-serif;
9      background-repeat: no-repeat ;
10     background-size: cover;
11     background-image: url(https://images.pexels.com/photos/956999/milky-way-starry-sky-night-sky-star-956999.jpeg?auto=compress&cs);
12  }
13 .main{
14     width: 350px;
15     height: 500px;
16     background: ■ red;
17     overflow: hidden;
18     background: url(https://doc-08-2c-docs.googleusercontent.com/docs/securesc/68c90smiglihng9534mvqmqlq1946dmis5/fo0picsp1nhicmcf);
19     border-radius: 10px;
20     box-shadow: 5px 20px 50px ;
21  }
22 #chk{
23     display: none;
24  }
25 .signup{
26     position: relative;
27     width:100%;
28     height: 100%;
29  }
30 label{
31     color: ■#8fc1c1;
32     font-size: 2.3em;
33     justify-content: center;
34     display: flex;
35     margin: 60px;
36     font-weight: bold;
37     cursor: pointer;
38     transition: .5s ease-in-out;
39     padding-top: 12px;
40  }
41 input{
42     width: 60%;
43     height: 20px;
44     background: ■#e0dede;
45     justify-content: center;
46     display: flex;
47     margin: 20px auto;
48     padding: 10px;
49     border: none;
50     outline: none;
51     border-radius: 5px;
52  }
```

```
53 button{  
54     width: 60%;  
55     height: 40px;  
56     margin: 10px auto;  
57     justify-content: center;  
58     display: block;  
59     color: ■#ffff;  
60     background: ■#8f1c1c;  
61     font-size: 1em;  
62     font-weight: bold;  
63     margin-top: 20px;  
64     outline: none;  
65     border: none;  
66     border-radius: 5px;  
67     transition: .2s ease-in;  
68     cursor: pointer;  
69 }  
70  
71 #login_btn {  
72     text-decoration: none;  
73     width: 60%;  
74     height: 40px;  
75     margin: 10px auto;  
76     justify-content: center;  
77     display: block;  
78     color: ■#ffff;  
79     background: ■#8f1c1c;  
80     font-size: 1em;  
81     font-weight: bold;  
82     margin-top: 20px;  
83     outline: none;  
84     border: none;  
85     border-radius: 5px;  
86     transition: .2s ease-in;  
87     cursor: pointer;  
88     text-align: center;  
89     padding-top: 13.2px;  
90 }
```

```
91
92     #login_btn:hover {
93         background: #5f1212;
94     }
95
96
97     button:hover{
98         background: #5f1212;
99     }
100    .login{
101        height: 460px;
102        background: #8f1c1c;
103        border-radius: 60% / 10%;
104        transform: translateY(-180px);
105        transition: .8s ease-in-out;
106    }
107    .login label{
108        color: white;
109        transform: scale(.6);
110    }
111
112    #chk:checked ~ .login{
113        transform: translateY(-500px);
114    }
115    #chk:checked ~ .login label{
116        transform: scale(1);
117    }
118    #chk:checked ~ .signup label{
119        transform: scale(.6);
120    }
121
122    #vn {
123        position: absolute;
124        top: -8%;
125        left: 38%;
126    }
127
128
129
130    @media (max-width: 600px) {
131        body{
132            margin: 0;
133            padding: 0;
134            display: flex;
135            justify-content: center;
136            align-items: center;
137            min-height: 100vh;
138            font-family: 'Jost', sans-serif;
139            background-repeat: no-repeat ;
140            background-size: cover;
141            background-image: none;
142        }

```

```
dist > # homepage.css > ⚒ .button
```

```
1   body{  
2     margin: 0;  
3     padding: 0;  
4     background-image: url("./homebg1.png");  
5     display: flex;  
6     justify-content: center;  
7     align-items: center;  
8     min-height: 100vh;  
9     font-family: 'Lost', sans-serif;  
10    background-repeat: no-repeat;  
11    background-size: cover;  
12    background-color: ■#cccccc;  
13  }  
14  
15  /* Buttons*/  
16  .view {  
17  
18    position: absolute;  
19    left: 7%;  
20    top: 50%;  
21    right: 93%;  
22    bottom: 50%;  
23  }  
24  .upload{  
25    position: absolute;  
26    right: 27%;  
27    top: 50%;  
28    left: 73%;  
29    bottom: 50%;  
30  }  
31  .button [  
32    min-width: 300px;  
33    min-height: 60px;  
34    font-family: 'Nunito', sans-serif;  
35    font-size: 22px;  
36    text-transform: uppercase;  
37    letter-spacing: 1.3px;  
38    font-weight: 700;  
39    color: □#313131;  
40    background: ■#dcdcdc;  
41    background: linear-gradient(90deg, ■rgb(178, 178, 178) 0%, ■rgb(255, 255, 255) 100%);  
42    border: none;  
43    border-radius: 1000px;  
44    box-shadow: 12px 12px 24px □rgba(46, 50, 50, 0.64);  
45    transition: all 0.3s ease-in-out 0s;  
46    cursor: pointer;  
47    outline: none;  
48    position: relative;  
49    padding: 10px;  
50  ]
```

```
51     button::before {
52         content: '';
53         border-radius: 1000px;
54         min-width: calc(300px + 12px);
55         min-height: calc(60px + 12px);
56         border: 6px solid #abffff;
57         box-shadow: 0 0 60px rgba(0, 75, 60, 0.64);
58         position: absolute;
59         top: 50%;
60         left: 50%;
61         transform: translate(-50%, -50%);
62         opacity: 0;
63         transition: all .3s ease-in-out 0s;
64     }
65
66     .button:hover, .button:focus {
67         color: #000000;
68         transform: translateY(-6px);
69     }
70     .button:hover::before, .button:focus::before {
71         opacity: 1;
72     }
73
74     .button::after {
75         content: '';
76         width: 30px; height: 30px;
77         border-radius: 100%;
78         border: 6px solid #b8fcfd;
79         position: absolute;
80         z-index: -1;
81         top: 50%;
82         left: 50%;
83         transform: translate(-50%, -50%);
84         animation: ring 1.5s infinite;
85     }
86     .button:hover::after, button:focus::after {
87         animation: none;
88         display: none;
89     }
90
91     @keyframes ring {
92         0% {
93             width: 30px;
94             height: 30px;
95             opacity: 1;
96         }
97         100% {
98             width: 300px;
99             height: 300px;
100            opacity: 0;
101        }
102    }
103 }
```

### 8.1.3 JS

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-...
```

```
<meta charset="UTF-8">
<title>VT Notes Homepage</title>
<link rel="stylesheet" href="homepage.css">
```

```
</head>
<body>
    <!-- Code for navbar -->
    <nav class="navbar fixed-top navbar-expand-sm navbar-dark bg-black" >
```

```
        <a href="#" class="navbar-brand mb-0 h1">
            
            
        </a>
        <div class = "collapse navbar-collapse" id= "navbarNav">
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a href="homepage.php" class= "nav-link">Home</a>
                </li>
                <li class="nav-item active">
                    <a href="index.php" class= "nav-link" >Log Out</a>
                </li>
            </ul>
        </div>
```

```
    </nav>
```

```
    <!-- JavaScript Bundle with Popper -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-...
```

```
    <!-- Code for navbar -->
```

## 8.2 Back end code

### 8.2.1 PHP

```
server.php
1  <?php
2  session_start();
3
4  //initializing variables
5  $vtuno = "";
6  $email = "";
7  $errors = array();
8
9  //connect to database
10 $db = mysqli_connect('localhost','root', '', 'vtnotes');
11
12 //Register user
13
14 if (isset($_POST['reg_user'])) {
15     $vtuno = mysqli_real_escape_string($db,$_POST['vtuno']);
16     $email = mysqli_real_escape_string($db,$_POST['email']);
17     $password = mysqli_real_escape_string($db,$_POST['password']);
18
19     // form validation: ensure that the form is correctly filled ...
20     // by adding (array_push()) corresponding error unto $errors array
21     if (empty($vtuno)) { array_push($errors, "VTU No. is required"); }
22     if (empty($email)) { array_push($errors, "Email is required"); }
23     if (empty($password)) { array_push($errors, "Password is required"); }
24
25     // first check the database to make sure
26     // a user does not already exist with the same username and/or email
27     $user_check_query = "SELECT * FROM signupinfo WHERE vtuno='$vtuno' OR email='$email' LIMIT 1";
28     $result = mysqli_query($db, $user_check_query);
29     $user = mysqli_fetch_assoc($result);
30
31     if ($user) { // if user exists
32         if ($user['vtuno'] === $vtuno) {
33             array_push($errors, "VTU No. already exists");
34         }
35
36         if ($user['email'] === $email) {
37             array_push($errors, "Email already exists");
38         }
39     }
40 }
```

```

42     // Encrypting the password before saving it into the database in the form
43     if (count($errors) == 0) {
44         $password = md5($password); //encrypt the password before saving in the database
45
46         $query = "INSERT INTO signupinfo (vtuno, email, password)
47             VALUES('$vtuno', '$email', '$password')";
48         mysqli_query($db, $query);
49         $_SESSION['vtuno'] = $vtuno;
50         $_SESSION['success'] = "You are now logged in";
51         header('location: homepage.php');
52     }
53
54 // LOGIN USER
55 if (isset($_POST['login_user'])) {
56     $vtuno = mysqli_real_escape_string($db, $_POST['vtuno']);
57     $password = mysqli_real_escape_string($db, $_POST['password']);
58
59     if (empty($vtuno)) {
60         array_push($errors, "VTU is required");
61     }
62     if (empty($password)) {
63         array_push($errors, "Password is required");
64     }
65
66     if (count($errors) == 0) {
67         $password = md5($password);
68         $query = "SELECT * FROM signupinfo WHERE vtuno='$vtuno' AND password='$password'";
69         $results = mysqli_query($db, $query);
70         if (mysqli_num_rows($results) == 1) {
71             $_SESSION['vtuno'] = $vtuno;
72             $_SESSION['success'] = "You are now logged in";
73             header('location: homepage.php');
74         } else {
75             array_push($errors, "Wrong username/password combination");
76         }
77     }
78 }
79
80
81 ?>

```

## errors.php

```
1  <?php if (count($errors) > 0) : ?>
2      <div class="error">
3          <?php foreach ($errors as $error) : ?>
4              |  <p><?php echo $error ?></p>
5          <?php endforeach ?>
6      </div>
7  <?php endif ?>
```

# **Chapter 9**

## **SCREENSHOTS**

31.jpeg



32.jpeg



33.jpeg

34.jpeg