STIW3044: Web Engineering
Semester A212
School of Computing, CAS, UUM

FRONT COVER

Lab 2

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Submission Date	25/5/2022
Acknowledgment	I hereby acknowledge that the following works are from my effort in submitting this document. If found otherwise, severe action such as marks deduction or removal from the assignment can be taken against me.
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Your digital key from the book purchase	-

	STIW3044: Web Engineering
	Semester A212 School of Computing, CAS, UUM

Lab 2

Given date: **18/5/2022**

Submission date**: 25/5/2022**

15 Marks

Instruction

Your task is to develop a user registration and login page for a web application called MyTutor. The application is for a tutor booking and payment. Create a project directory with all the relevant folders and files. The registration form page should include image uploads and other users' registration data such as email, name, phone number, password, and home address. Backend implementation only for registration.

Answer the following questions. Don't show the entire code. Just select a segment of the codes responsible for the required questions. Make sure to retain the code format from VSC when you paste it into the Word document. Don't screenshot your code!.

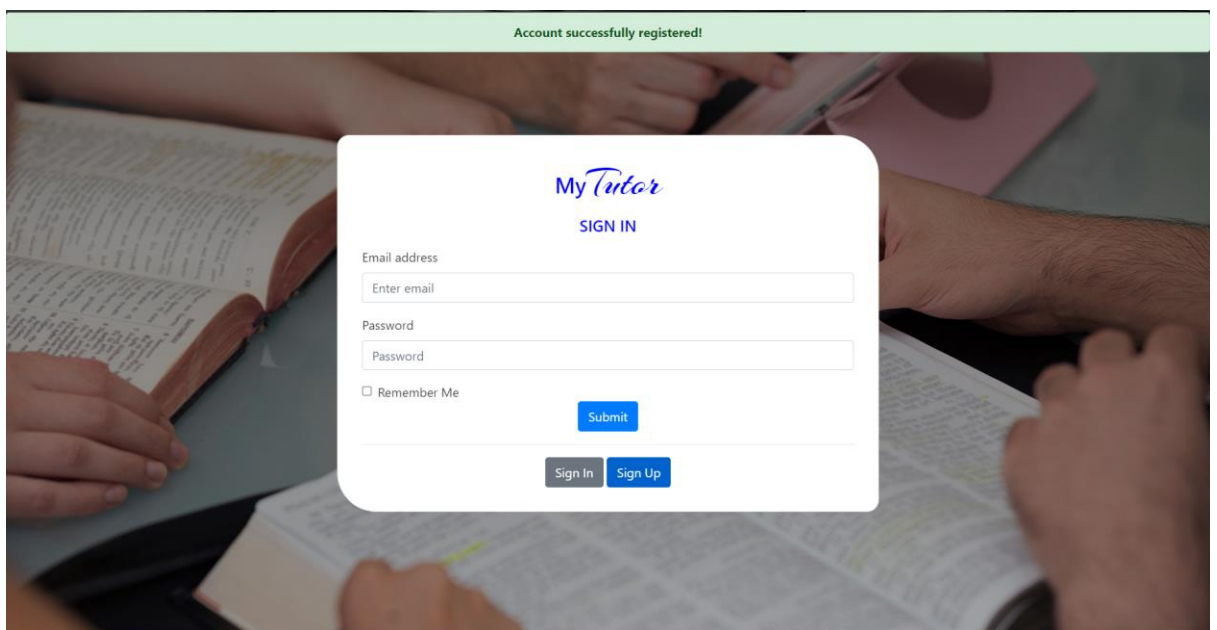Based on the tasks above answer the following questions

1. Show your user login and user registration user interface design for the application. You may use any digital tools that can help to build the user interfaces.

(2 Marks)

Landing Page
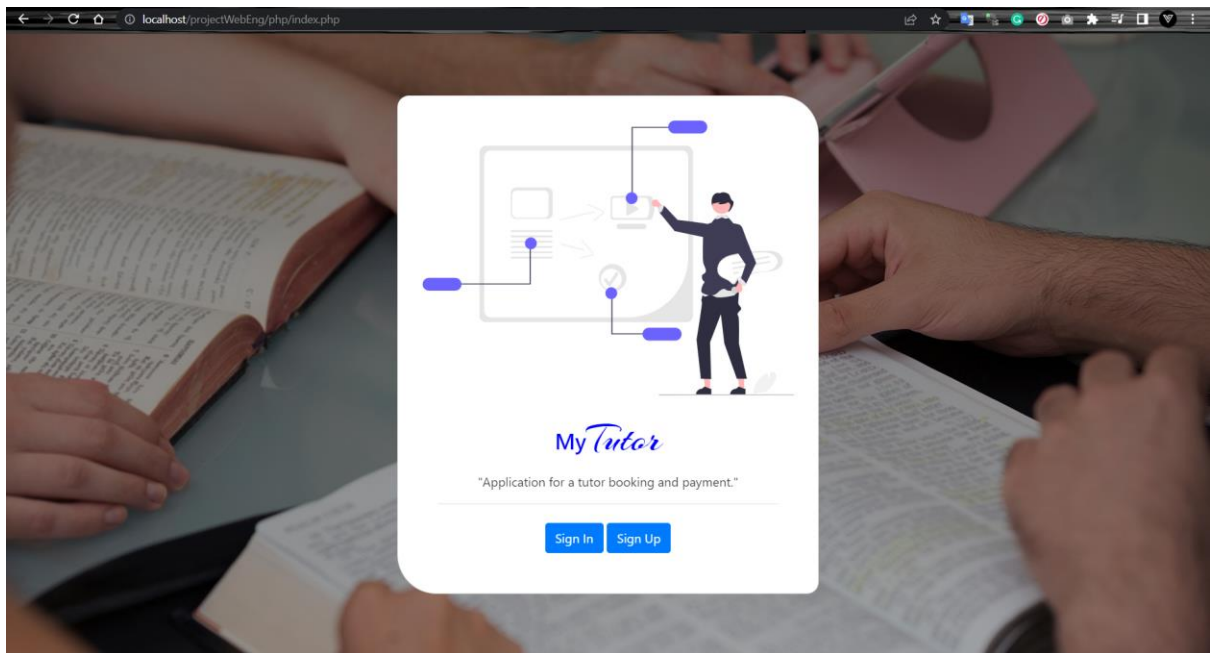
Login page

Register Page

2. Show code segment for the following tasks. (Your GitHub link to the project will be used as part of the evaluation):

   a. HTML Form for user registration

(2 Marks)

```html
<div id="register_card" class="card register-card tabcontent" style="display: none">
            <div class="text-dark">
                <h3 class="card-title"><span style="color:blue">My</span><span class="tutor-text">Tutor</span>
                </h3>
                <h5 style="color:blue">SIGN UP</h5>
                <p class="left">
                <form method="POST" action="register.php" enctype="multipart/form-data" id="register">
                    <div class="row">
                        <div class="col-12 col-sm-6">
                            <div class="form-group">
                                <label for="nameInput" class="text-left">Name <span style="color: red;">*</span></label>
                                <input type="text" class="form-control" id="nameInput" name="name" aria-describedby="nameHelp" placeholder="Name">
                            </div>
                            <div class="form-group">
                                <label for="emailInput" class="text-left">Email address <span style="color: red;">*</span></label>
```
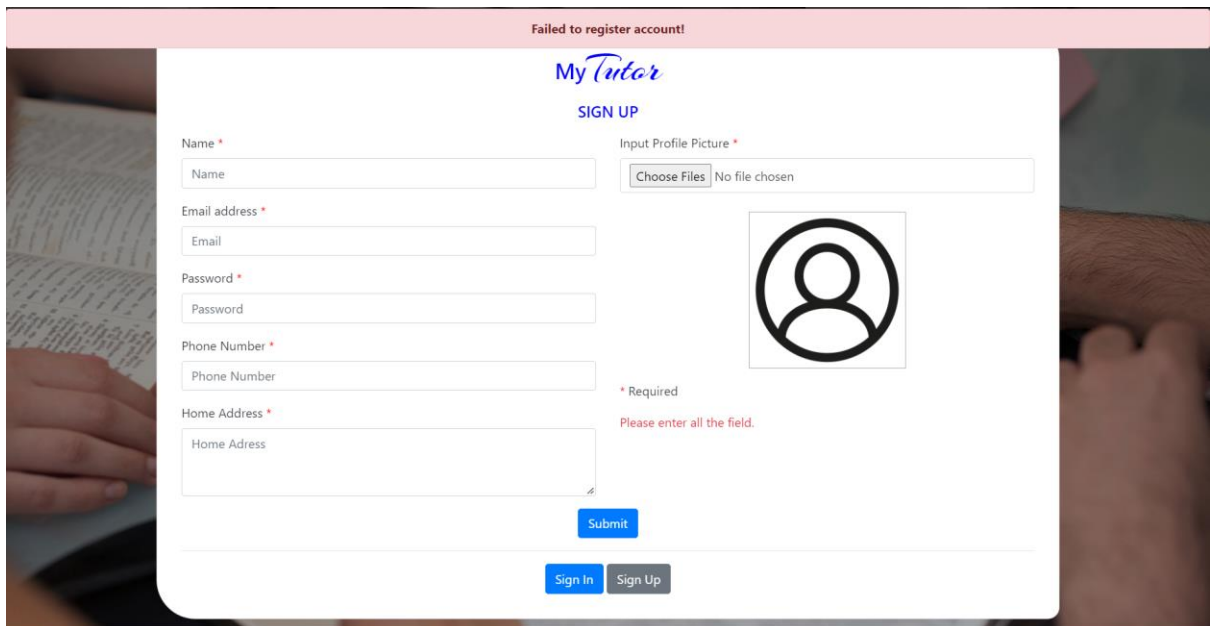
```html
                                                    <input type="email" class="form-
control" id="emailInput" name="email" aria-describedby="emailHelp"
placeholder="Email">
                                                </div>
                                                <div class="form-group">
                                                    <label for="passwordInput">Password
<span style="color: red;">*</span></label>
                                                    <input type="password" class="form-
control" id="passwordInput" name="password" placeholder="Password">
                                                </div>
                                                <div class="form-group">
                                                    <label for="phoneInput">Phone Number
<span style="color: red;">*</span></label>
                                                    <input type="text" class="form-
control" id="phoneInput" name="phone" placeholder="Phone Number">
                                                </div>
                                                <div class="form-group">
                                                    <label for="adressInput">Home Address
<span style="color: red;">*</span></label>
                                                    <textarea class="form-control"
name="address" id="adressInput" cols="30" rows="3" placeholder="Home
Adress"></textarea>
                                                </div>

                                        </div>
                                        <div class="col-12 col-sm-6">
                                            <div style="max-height: 100%;">
                                                <div class="form-group">
                                                    <label class="form-label"
for="uploadBtn">Input Profile Picture <span style="color:
red;">*</span></label>
                                                    <input id="uploadBtn" type="file"
class="upload form-control" multiple="multiple" accept="image/*"
name="fileUpload" />

                                                    <br>
                                                    <div id="upload_prev">
                                                        <img id="photoShowId"
src="../assets/application/default-user.png" width="auto" height="200px" />
                                                    </div>
                                                </div>
                                            </div>
                                            <div class="text-left">
                                                <p class="text-danger">* <span
class="text-dark">Required</span></p>
                                                <?php
                                                if (isset($_GET['msgRegister'])) {
                                                    $message = $_GET['msgRegister'];
```

```
                                        echo "<p class=\"text-
danger\">$message</p>";
                                    }
                                    ?>
                                </div>
                            </div>
                        </div>
                        <button type="submit" class="btn btn-
primary">Submit</button>
                    </form>


                    </p>
                    <hr>
                    <button class="btn btn-primary tablinks"
onclick="openForm(event, 'login_card')">Sign
                        In</button>
                    <button class="btn btn-secondary tablinks">Sign
Up</button>
                </div>
            </div>
```

b. PHP code for user registration.

(3 Marks)

```php
<?php

function getRandomString() {
    $characters =
'0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';
    $randomString = '';

    for ($i = 0; $i < 20; $i++) {
        $index = rand(0, strlen($characters) - 1);
        $randomString .= $characters[$index];
    }

    return $randomString.".";
}

if (isset($_POST)) {
    include_once("dbconnect.php");
    $email = $_REQUEST['email'];
    $name = $_REQUEST['name'];
    $phone = $_REQUEST['phone'];
    $password = $_REQUEST['password'];
```

```php
    $address = $_REQUEST['address'];
    $error;

    if(empty($name)||empty($phone)||empty($password)||empty($email)||empty($ad
dress)||$_FILES['fileUpload']["name"] == null){
        $error = "Please enter all the field.";

    }else if(strlen($name) < 5){
        $error = "Please enter name with minimum 5 character";

    }else if(is_numeric($phone) < 5){
        $error = "Please enter phone number with numbers only!";

    }else if(strlen($password) < 8 || !ctype_alnum($password)){
        $error = "Please enter name with minimum 8 character and alphanumeric";

    }else{
            $target_dir = "../assets/profiles/";
        $imageFileType = strtolower(pathinfo($_FILES['fileUpload']["name"],
PATHINFO_EXTENSION));
        $target_file = $target_dir.getRandomString().$imageFileType;

        $sqlinsert = "INSERT INTO `users`(`email`, `name`, `phone`, `password`,
        `address`,`image`) VALUES (?,?,?,?,?,?)";
        $stmt = $conn->prepare($sqlinsert);
        $stmt-
>bind_param("ssssss",$email,$name,$phone,$password,$address,$target_file);

        $upload = move_uploaded_file($_FILES["fileUpload"]["tmp_name"],
$target_file);
        if ( $upload != null&& $stmt->execute()) {

            echo
"<script>window.location.replace('index.php?success=1&form=login')</script>";
        } else {
            echo "<script>alert('Failed')</script>";
            $error = "Failed Sign Up";
        }
        // echo
"<script>window.location.replace('index.php?form=login')</script>";
    }
    echo
"<script>window.location.replace('index.php?success=0&msgRegister=$error&form=
register')</script>";


}
```

c. HTML Form for user login

(1 Marks)

```html
<div id="login_card" class="card landing-card login-card tabcontent"
style="display: none">
                    <div class="text-dark">
                        <h3 class="card-title"><span
style="color:blue">My</span><span class="tutor-text">Tutor</span>
                        </h3>
                        <h5 style="color:blue">SIGN IN</h5>
                        <p class="left">
                        <form>
                            <div class="form-group">
                                <label for="EmailInput" class="text-
left">Email address</label>
                                <input type="email" class="form-control"
id="EmailInput" aria-describedby="emailHelp" placeholder="Enter email">
                            </div>
                            <div class="form-group">
                                <label for="PasswordInput">Password</label>
                                <input type="password" class="form-control"
id="PasswordInput" placeholder="Password">
                            </div>
                            <div class="form-check">
                                <input type="checkbox" class="form-check-
input" id="rememberInput">
                                <label class="form-check-label"
for="rememberInput">Remember Me</label>
                            </div>
                            <button type="submit" class="btn btn-
primary">Submit</button>
                        </form>


                        </p>
                        <hr>
                        <button class="btn btn-secondary tablinks">Sign
In</button>
                        <button class="btn btn-primary tablinks"
onclick="openForm(event, 'register_card')">Sign
                            Up</button>
                    </div>
                </div>
```

d. Database table snapshot for user table

(2 Marks)

phpMyAdmin

Recent Favorites

- New
- information_schema
- my
  - tutor
    - my_tutor
      - New
      - users
    - my_tutor_web
      - New
      - users
- mysql
- performance_schema
- phpmyadmin
- test

Server: 127.0.0.1 » Database: my_tutor_web » Table: users

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	email	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
4	phone	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
5	password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
6	address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
7	image	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns

Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after image Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id	1	A	No	

Create an index on 1 columns Go

Partitions

Console rtitioning defined!

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phpMyAdmin

Recent Favorites

- New
- information_schema
- my
  - tutor
    - my_tutor
      - New
      - users
    - my_tutor_web
      - New
      - users
- mysql
- performance_schema
- phpmyadmin
- test

Server: 127.0.0.1 » Database: my_tutor_web » Table: users

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)

SELECT * FROM `users`

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

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

+ Options

	id	email	name	phone	password	address	image
Edit Copy Delete	6	222@222 222	222222	222222222	222222222	2222222	./assets/profiles/Y2CN98APojK2g1flzMJD.jpeg

Check all With selected: Edit Copy Delete Export

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

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark
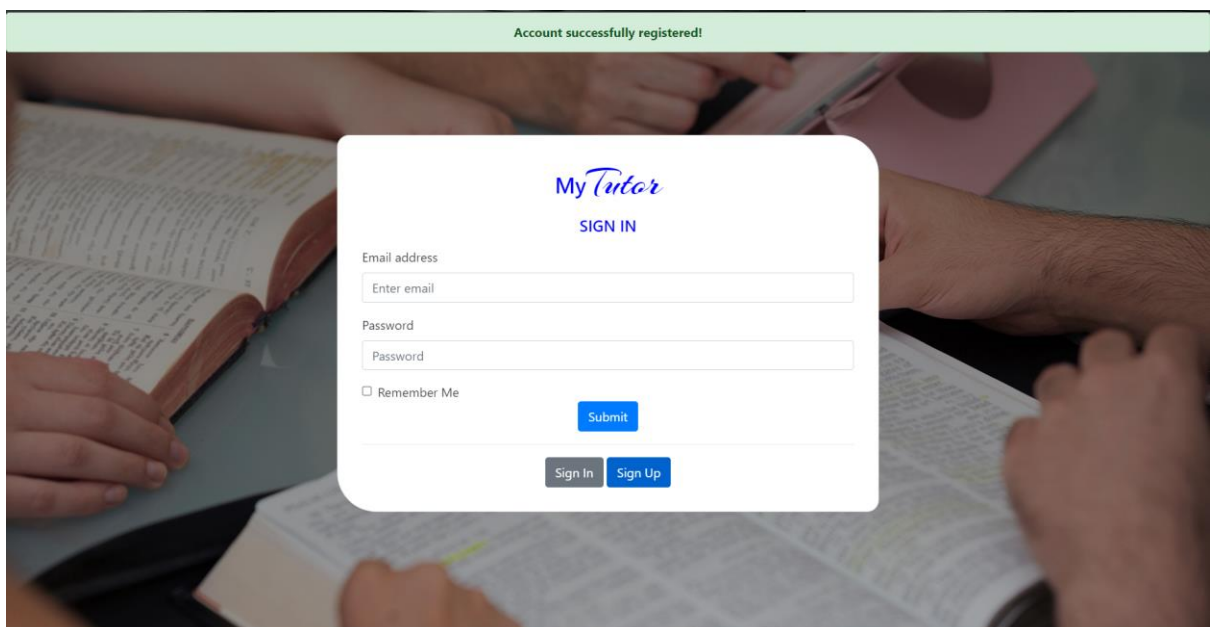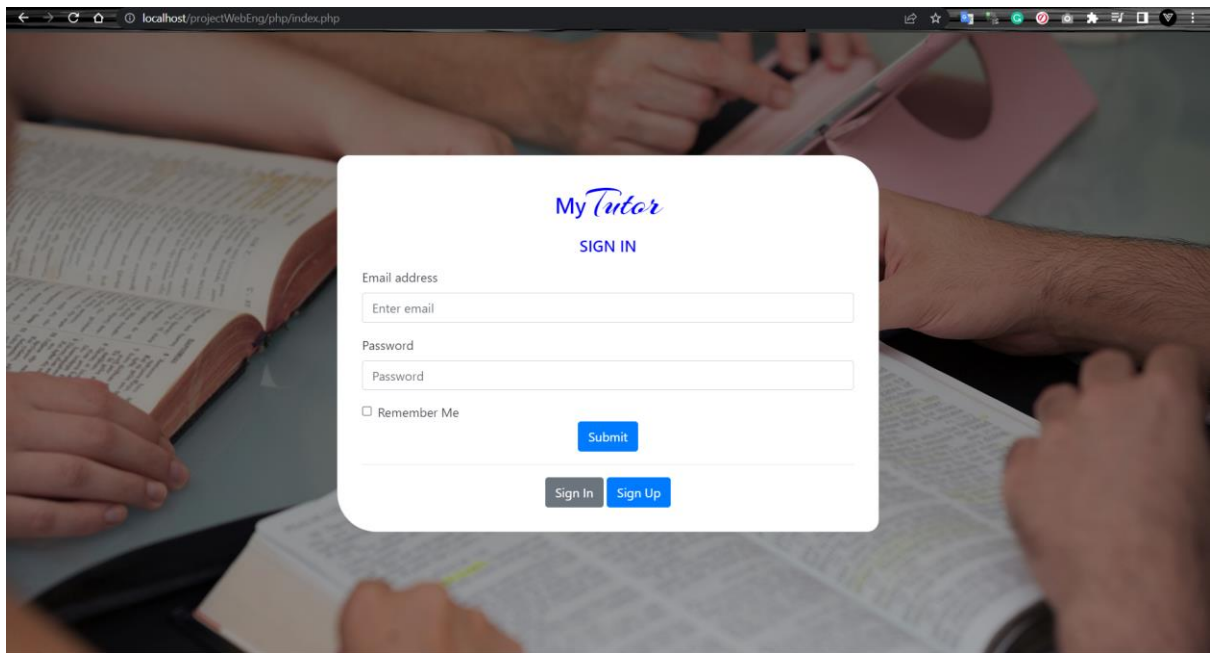
Bookmark this SQL query

Console

3. Create and publish a YouTube presentation to demonstrate the user registration process. Make sure to demonstrate the registration page successfully inserted a new user into the database. Show app screenshots for all login and registration pages.
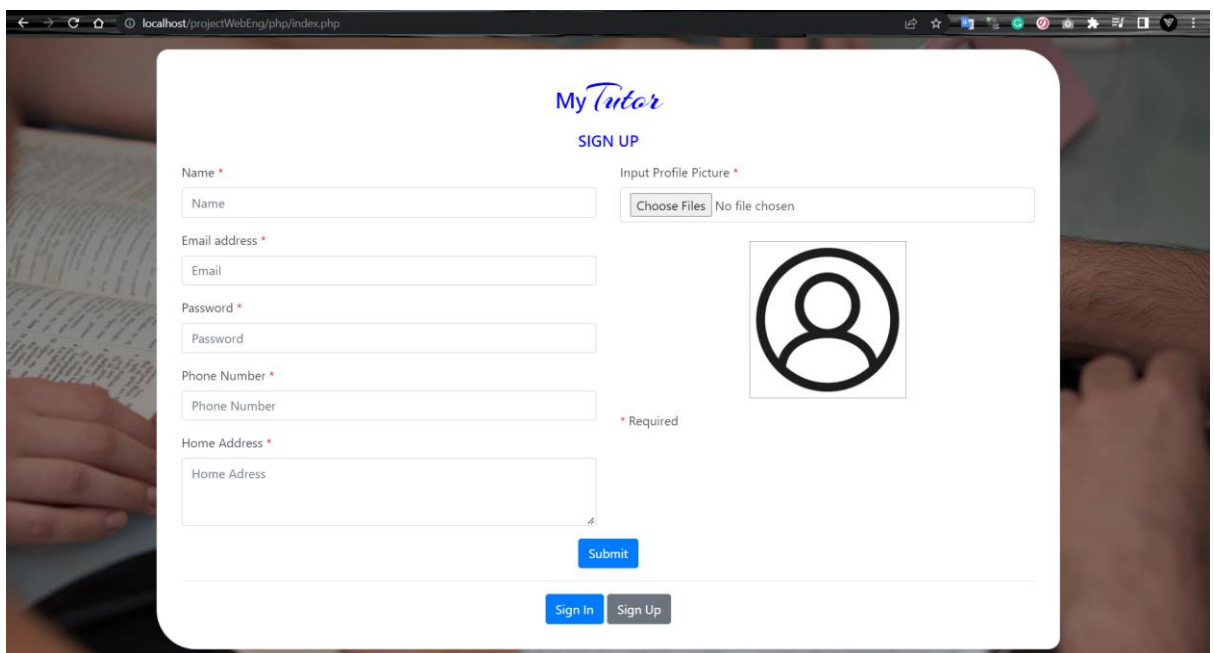
Landing Page
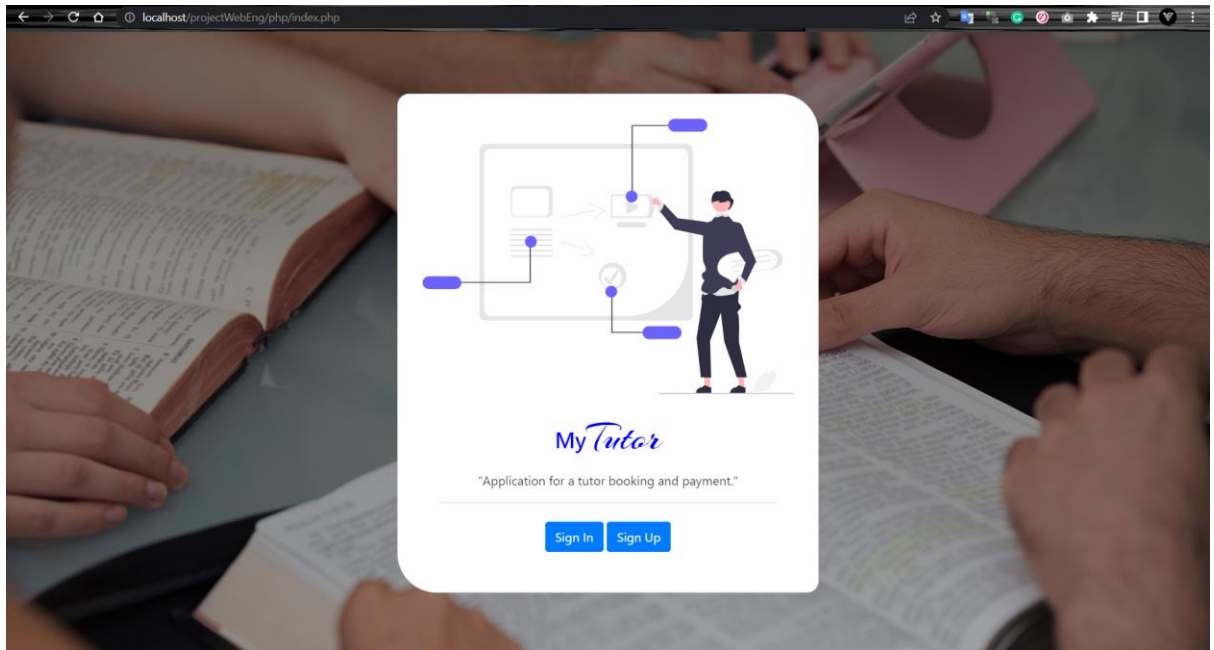
Login page

Register Page

(5 Marks)

Submission

- This document submit to the learning system when the link is open for submission.
- Upload your project to your GitHub Repository (provide the link on the front page).