**AMERICAN INTERNATIONALA close up of a sign

Description automatically generated**

**UNIVERSITY-BANGLADESH**

**Faculty of Science and Technology**

**Design Project Cover Page**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assignment Title: | Webtech Project | | | |
| Assignment No: | 01 | | Date of Submission: | 17 August 2021 |
| Course Title: | Web Technologies | | | |
| Course Code: | CSC 3215 | | Section: | D |
| Semester: | Summer | 2020-21 | Course Teacher: | Tanvir Ahmed |

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| Group Name/No.: | 08 |

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| **No** | **Name** | **ID** | **Program** | **Signature** |
| 1 | MAHFUZA SHARMILI JUI | 19-39398-1 | **Choose an item.** |  |
| 2 | SREEJAN ROY | 19-39737-1 | **Choose an item.** |  |
| 3 | NAHIAN SAJJAD | 19-41154-2 | **Choose an item.** |  |
| 4 |  |  | **Choose an item.** |  |
| 5 |  |  | **Choose an item.** |  |
| 6 |  |  | **Choose an item.** |  |
| 7 |  |  | **Choose an item.** |  |
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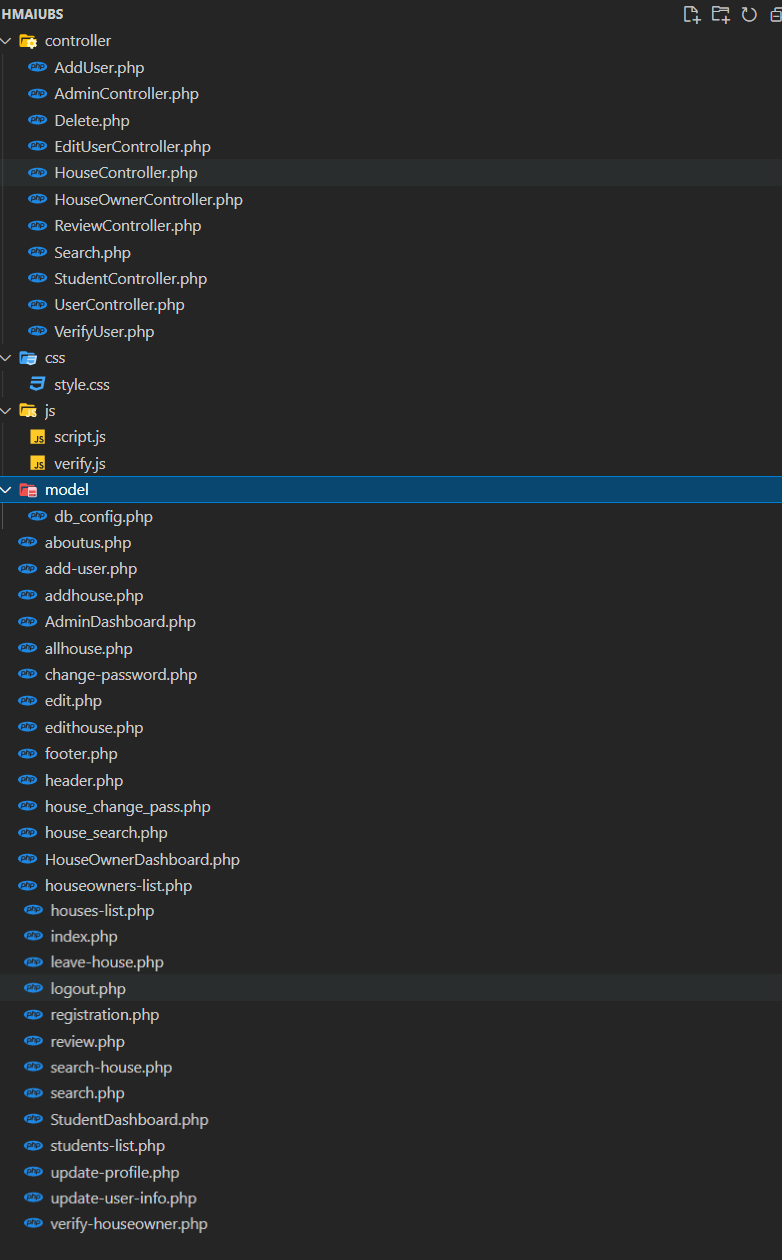
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| FACULTYCOMMENTS | **Marks Obtained** |  |
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**Housing Management System for AIUBians**

**Project Description:**

Our project is about Housing Management System for AIUB students. The aim of our project is to create a Website for the students and they can rent houses/flats using this Website. The project will help the user to find accommodation in rushing times like after the pandemic situation. The basic functionalities are finding a flat or a seat for a student by meeting the requirements and budget of the student, the house Owner will post an ad about their house or room or seat very specifically with house details, photos and facilities. Students will check the posts which will appear in the feed by meeting their requirements and budget as well as confirm the place. The student and Houseowner both will give feedback and ratings about each other. The Admin can Add, Delete, Update and Read all users and houses. Admin can check the Ratings of the Students and Houseowners. Anyone among the users can search to see houses.

**Project Folder Structure:**

****

**Core Modules of the Project:**

**script.js**

/\*

function get(id) {

return document.getElementById(id)

}

/\*\*

\* Registratoin

\*/

var hasError = false;

// inputs

var regName = get('reg-name');

var regEmail = get('reg-email');

var regPhoneNumber = get('reg-phone-number');

var regPassword = get('reg-password');

var regConfirmPassword = get('reg-confirm-password');

var regAiubIdNid = get('reg-aiub-id\_nid');

// errors

var regErrName = get("js-error-name");

var regErrEmail = get("js-error-email");

var regErrPhoneNumber = get("js-error-phone-number");

var regErrPassword = get("js-error-password");

var regErrConfirmPassword = get("js-error-confirm-password");

var regErrType = get("js-error-type");

var regErrAiubIdNid = get("js-error-aiubid\_nid");

function refreshRegistration() {

hasError = false;

regErrName.innerHTML = "";

regErrEmail.innerHTML = "";

regErrPhoneNumber.innerHTML = "";

regErrPassword.innerHTML = "";

regErrConfirmPassword.innerHTML = "";

regErrType.innerHTML = "";

regErrAiubIdNid.innerHTML = "";

}

function refreshLogin() {

hasError = false;

regErrEmail.innerHTML = "";

regErrPassword.innerHTML = "";

regErrType.innerHTML = "";

}

function validateGender() {

var gn = document.getElementsByName("type");

for (var i = 0; i < gn.length; i++) {

if (gn[i].checked) {

return true;

}

}

return false;

}

function registrationValidation() {

refreshRegistration();

// name

if (regName.value.length === 0) {

hasError = true;

regErrName.innerHTML = "\*Name Required";

} else if (regName.value.length <= 2) {

hasError = true;

regErrName.innerHTML = "\*Name must be greater than 2 characters";

}

// email

if (regEmail.value.length === 0) {

hasError = true;

regErrEmail.innerHTML = "\*Email Required";

} else if (!regEmail.value.includes("@") || !regEmail.value.includes(".")) {

hasError = true;

regErrEmail.innerHTML = "\*Email must contain @ character and . character";

}

// phone number

if (regPhoneNumber.value.length === 0) {

hasError = true;

regErrPhoneNumber.innerHTML = "\*Phone number Required";

} else if (isNaN(regPhoneNumber.value)) {

hasError = true;

regErrPhoneNumber.innerHTML = "\*Phone number contain number";

} else if (regPhoneNumber.value.length !== 11) {

hasError = true;

regErrPhoneNumber.innerHTML = "\*Phone number must contain at least 11 number";

}

// password

if (regPassword.value.length === 0) {

hasError = true;

regErrPassword.innerHTML = "\*Password Required";

} else if (regPassword.value.length <= 7) {

hasError = true;

regErrPassword.innerHTML = "\*Password must contain at least 8 character";

} else if (!regPassword.value.includes('#') && !regPassword.value.includes('?')) {

hasError = true;

regErrPassword.innerHTML = "\*Password must contain # character or one ? character";

} else {

var upper = 0;

var lower = 0;

var number = 0;

var arr = regPassword.value.split('');

for (var i = 0; i < arr.length; i++) {

if (65 <= arr[i].charCodeAt(0) && 90 >= arr[i].charCodeAt(0))

upper++;

else if (97 <= arr[i].charCodeAt(0) && 122 >= arr[i].charCodeAt(0))

lower++;

else if (48 <= arr[i].charCodeAt(0) && 57 >= arr[i].charCodeAt(0))

number++;

}

if (!(upper >= 1 && lower >= 1 && number >= 1)) {

hasError = true;

regErrPassword.innerHTML = "\*Password must contain 1 number and combination of uppercase and lowercase alphabet";

}

}

// confirm password

if (regConfirmPassword.value.length === 0) {

hasError = true;

regErrConfirmPassword.innerHTML = "\*Confirm Password Required";

} else if (regPassword.value !== regConfirmPassword.value) {

hasError = true;

regErrConfirmPassword.innerHTML = "\*Password and Confirm Password not match";

}

// gender

if (!validateGender()) {

hasError = true;

regErrType.innerHTML = "\*User type Required";

}

// aiub id or nid

if (regAiubIdNid.value.length === 0) {

hasError = true;

regErrAiubIdNid.innerHTML = "\*AIUB ID / National ID number Required";

} else if (isNaN(regAiubIdNid.value)) {

hasError = true;

regErrAiubIdNid.innerHTML = "\*AIUB ID / National ID number must contain number";

}

return !hasError;

}

/\*\*

\* Login

\*/

// inputs

var loginEmail = get('login-email');

var loginPassword = get('login-password');

// errors

var loginErrEmail = get("js-error-email");

var loginErrPassword = get("js-error-password");

var loginErrType = get("js-error-type");

function loginValidation() {

refreshLogin();

// email

if (loginEmail.value.length === 0) {

hasError = true;

loginErrEmail.innerHTML = "\*Email Required";

} else if (!loginEmail.value.includes("@") || !loginEmail.value.includes(".")) {

hasError = true;

loginErrEmail.innerHTML = "\*Email must contain @ character and . character";

}

// password

if (loginPassword.value.length === 0) {

hasError = true;

loginErrPassword.innerHTML = "\*Password Required";

} else if (loginPassword.value.length <= 7) {

hasError = true;

loginErrPassword.innerHTML = "\*Password must contain at least 8 character";

} else if (!loginPassword.value.includes('#') && !loginPassword.value.includes('?')) {

hasError = true;

loginErrPassword.innerHTML = "\*Password must contain # character or one ? character";

} else {

var upper = 0;

var lower = 0;

var number = 0;

var arr = loginPassword.value.split('');

for (var i = 0; i < arr.length; i++) {

if (65 <= arr[i].charCodeAt(0) && 90 >= arr[i].charCodeAt(0))

upper++;

else if (97 <= arr[i].charCodeAt(0) && 122 >= arr[i].charCodeAt(0))

lower++;

else if (48 <= arr[i].charCodeAt(0) && 57 >= arr[i].charCodeAt(0))

number++;

}

if (!(upper >= 1 && lower >= 1 && number >= 1)) {

hasError = true;

loginErrPassword.innerHTML = "\*Password must contain 1 number and combination of uppercase and lowercase alphabet";

}

}

// gender

if (!validateGender()) {

hasError = true;

loginErrType.innerHTML = "\*User type Required";

}

return !hasError;

}

function confirmDelete() {

return confirm("Are you sure you want to delete?");

}

\*/

**VerifyUsers.php**

/\*

<?php

session\_start();

$page\_title = "Admin Dashboard";

if (!isset($\_SESSION['loggedin']) && $\_SESSION['loggedin'] == false) {

header("Location: index.php");

}

if ($\_SESSION['type'] != 'Admin') {

header("Location: logout.php");

}

require\_once "controller/AdminController.php";

$students = NULL;

$students = getUnverifyStudents();

?>

<?php include\_once "header.php"; ?>

<div class="main">

<?php if ($students !== NULL) { ?>

<fieldset>

<legend>

<h1>Unverified Student list</h1>

</legend>

<table class="single-border">

<tr>

<th>ID</th>

<th>Name</th>

<th>Email</th>

<th>Phone</th>

<th>AIUB ID / NID</th>

<th>Action</th>

</tr>

<?php foreach ($students as $student) { ?>

<tr>

<?php foreach ($student as $key => $value) { ?>

<?php

if ($key == 'password' || $key == 'h\_id' || $key == 'verify') {

continue;

}

?>

<td><?php echo $value; ?></td>

<?php } ?>

<td>

<button id="verify-student" class="verify-button" onclick="return verifyUser('Student',<?php echo $student['id']; ?>)">Verify</button>

</td>

</tr>

<?php } ?>

</table>

</fieldset>

<?php } else { ?>

<center>

<h1>There are no student to verify</h1>

</center>

<?php } ?>

require\_once "controller/AdminController.php";

$houseowners = NULL;

$houseowners = getUnverifyHouseOwners();

?>

<?php include\_once "header.php"; ?>

<div class="main">

<?php if ($houseowners !== NULL) { ?>

<fieldset>

<legend>

<h1>Unverified House Owner list</h1>

</legend>

<table class="single-border">

<tr>

<th>ID</th>

<th>Name</th>

<th>Email</th>

<th>Phone</th>

<th>NID</th>

<th>Action</th>

</tr>

<?php foreach ($houseowners as $houseowner) { ?>

<tr>

<?php foreach ($houseowner as $key => $value) { ?>

<?php

if ($key == 'password' || $key == 'verify') {

continue;

}

?>

<td><?php echo $value; ?></td>

<?php } ?>

<td>

<button id="verify-houseowner" class="verify-button" onclick="return verifyUser('FlatOwner',<?php echo $houseowner['id']; ?>)">Verify</button>

</td>

</tr>

<?php } ?>

</table>

</fieldset>

<?php } else { ?>

<center>

<h1>There are no house owner to verify</h1>

</center>

<?php } ?>

</div>

<script src="./js/verify.js"></script>

<?php include\_once "footer.php"; ?>

\*/

**search-house.php**

/\*

<?php

session\_start();

if (!isset($\_SESSION['loggedin']) && $\_SESSION['loggedin'] == false) {

header("Location: index.php");

}

if ($\_SESSION['type'] != 'Student') {

header("Location: logout.php");

}

require\_once "controller/HouseController.php";

$area = array("Bashundhara R/A", "Kuratoli", "Nikunjo");

$houses = NULL;

$hasError = false;

$housename = "";

$err\_housename = "";

$SelectArea = "";

$err\_SelectArea = "";

if (isset($\_POST['searchhouse'])) {

if (empty($\_POST["housename"])) {

$hasError = true;

$err\_housename = "House Name Required";

} else {

$housename = htmlspecialchars($\_POST["housename"]);

}

if (empty($\_POST["SelectArea"])) {

$hasError = true;

$err\_SelectArea = "Select Area Required";

} else {

$SelectArea = htmlspecialchars($\_POST["SelectArea"]);

}

if ($hasError === false) {

$houses = getAvailableHouses($housename, $SelectArea);

}

}

?>

<?php include\_once "header.php"; ?>

<div class="main">

<form action="" method="post" id="searchhouse" onsubmit="">

<fieldset>

<legend>

<h1>Search House</h1>

</legend>

<table>

<tr>

<td align="right">House name:</td>

<td><input type="text" name="housename"></td>

<td><span class="php-error"> <?php echo $err\_housename; ?> </span></td>

</tr>

<tr>

<td align="right">Select Area:</td>

<td><select name="SelectArea">

<option selected disabled>--Select--</option>

<?php

foreach ($area as $a) {

if ($a == $SelectArea)

echo "<option selected>$a</option>";

else

echo "<option>$a</option>";

}

?>

</select>

</td>

<td><span class="php-error"> <?php echo $err\_SelectArea; ?> </span></td>

</tr>

<tr>

<td></td>

<td>

<input type="submit" value="Search House" name="searchhouse">

</td>

</tr>

</table>

</fieldset>

</form>

<?php if ($houses !== NULL) { ?>

<fieldset>

<legend>

<h1>House list</h1>

</legend>

<table class="single-border">

<tr>

<th>ID</th>

<th>Name</th>

<th>Address</th>

<th>Price</th>

<th>Apartment ID</th>

</tr>

<?php foreach ($houses as $house) { ?>

<tr>

<?php foreach ($house as $key => $value) { ?>

<?php

if ($key === 'status' || $key === 'ho\_id')

continue;

?>

<td><?php echo $value; ?></td>

<?php } ?>

</tr>

<?php } ?>

</table>

</fieldset>

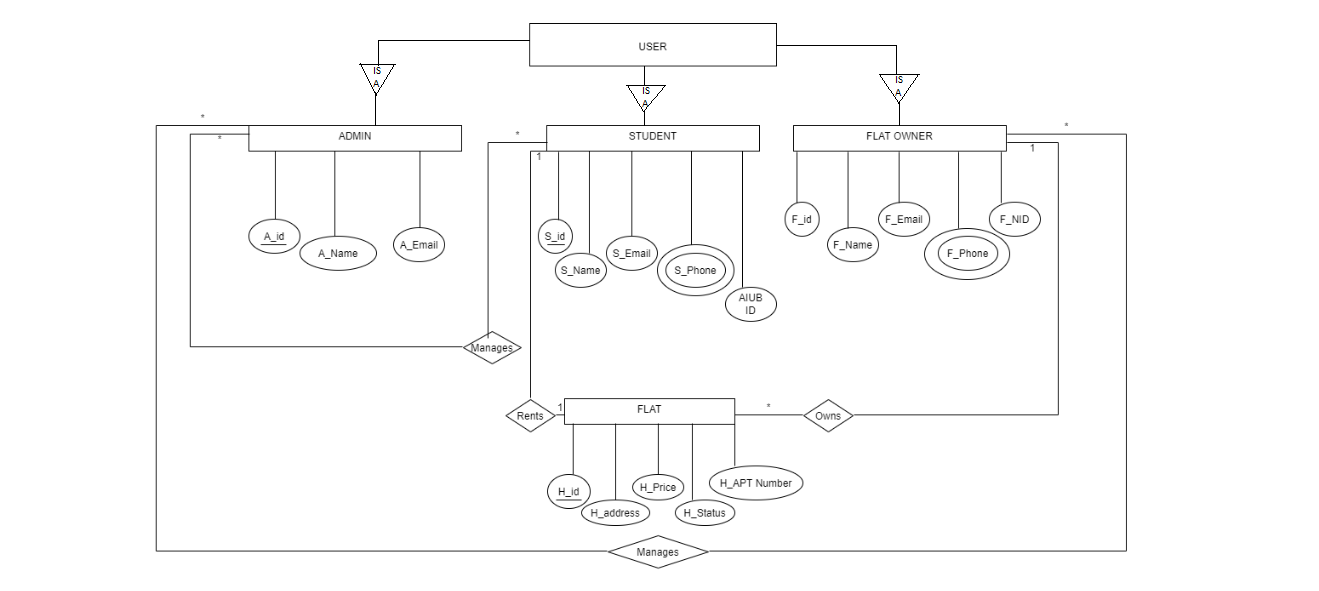
<?php } ?>

</div>

<?php include\_once "footer.php"; ?>

\*/

**Database Schema**

****