



# AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

## CSC 3215: Web Technologies

### Finishes Project Report

Summer 2020-21

**Project Title: Real Estate Management System**

**Section: D**

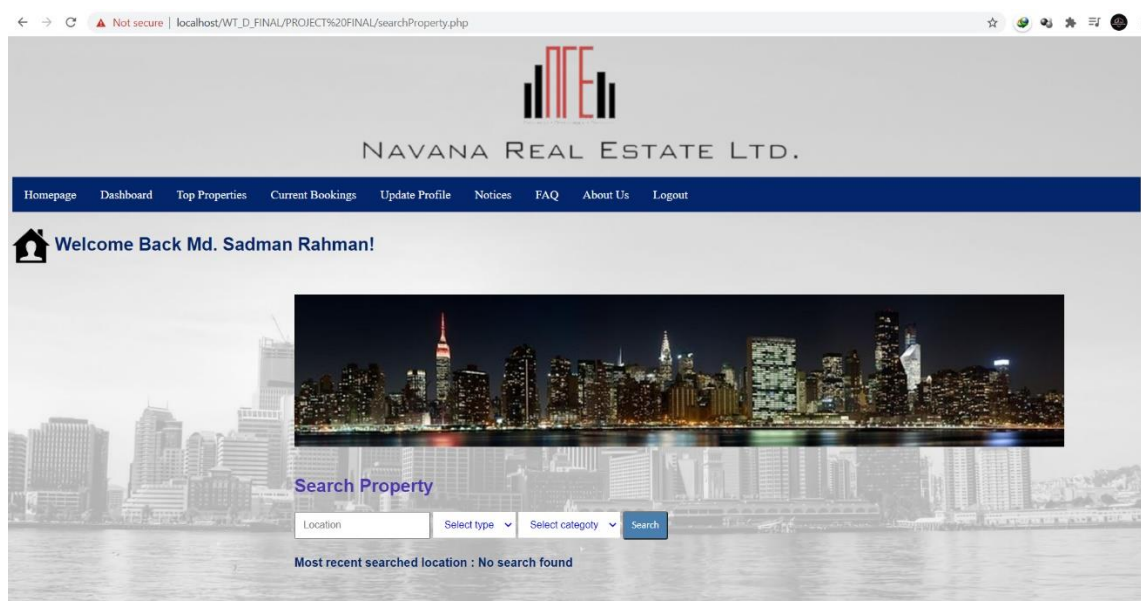
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# Real Estate Management System

## Project Description:

In today's world, real estate is in great demand. To manage and maintain a real estate company's activity, a management system is required. Our project's goal is to provide a secure and user friendly management system for a real estate company. In a real estate company, there are three main characters who plays the vital roles. They are: Admin, Customer and House-holders. In our project, we have focused on their activities and abilities. They are described below:

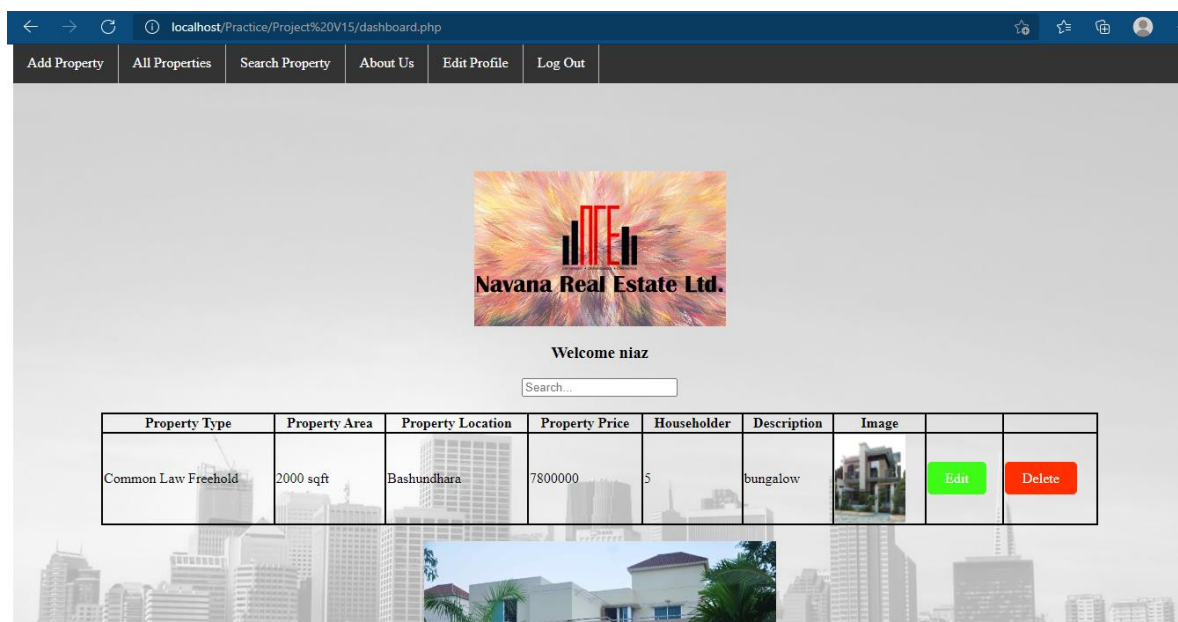
### Customer:




Customers can register for an account if they don't have an account. Username is unique, so they have to give a new username if it already exists. After signing up, they are proceeded to sign in page where they can sign in. After signing in they are greeted by their name at the dashboard page. There are many features in their dashboard. They are:

- **Search Properties:** Customers can search their desired property by sorting the types and categories. They can also search from everything if they want to.
- **View Top Properties:** They can get the full list of all the properties currently listed for sale.
- **View Property Details:** Property description with images can be viewed.
- **Book Property:** Customers can book a property if they want. They have to verify their identity prior to booking.
- **Give Rating and Review:** They can give ratings and reviews to any householders they want.
- **View Currently Booked Properties:** Customers can view all the properties they have booked. They can view then and also delete them if required.
- **Update Profile:** Customers can update their Profile information if they need to.
- **View Notices:** Customers can view notices posted by admins.
- **Send FAQ:** They can send questions if they face any difficulties. Their questions and replies are displayed on top of the FAQ page.

### Householder:



The screenshot shows a web application interface for Navana Real Estate Ltd. The browser address bar indicates the URL is localhost/Practice/Project%20V15/dashboard.php. The navigation bar includes links for Add Property, All Properties, Search Property, About Us, Edit Profile, and Log Out. The main content area features the company logo, a welcome message for user 'niaz', a search bar, and a table of properties. The table has columns for Property Type, Property Area, Property Location, Property Price, Householder, Description, Image, and actions (Edit, Delete). A cityscape image is visible at the bottom of the dashboard.

Property Type	Property Area	Property Location	Property Price	Householder	Description	Image		
Common Law Freehold	2000 sqft	Bashundhara	7800000	5	bungalow		<a href="#">Edit</a>	<a href="#">Delete</a>

Householder's are an important part of real estate management system. To get the access of our website Householder's first should register with their name, password, National ID Card and etc. After successfully registering they would have to login with username and password. Then householder's can enjoy different facilities of our website.

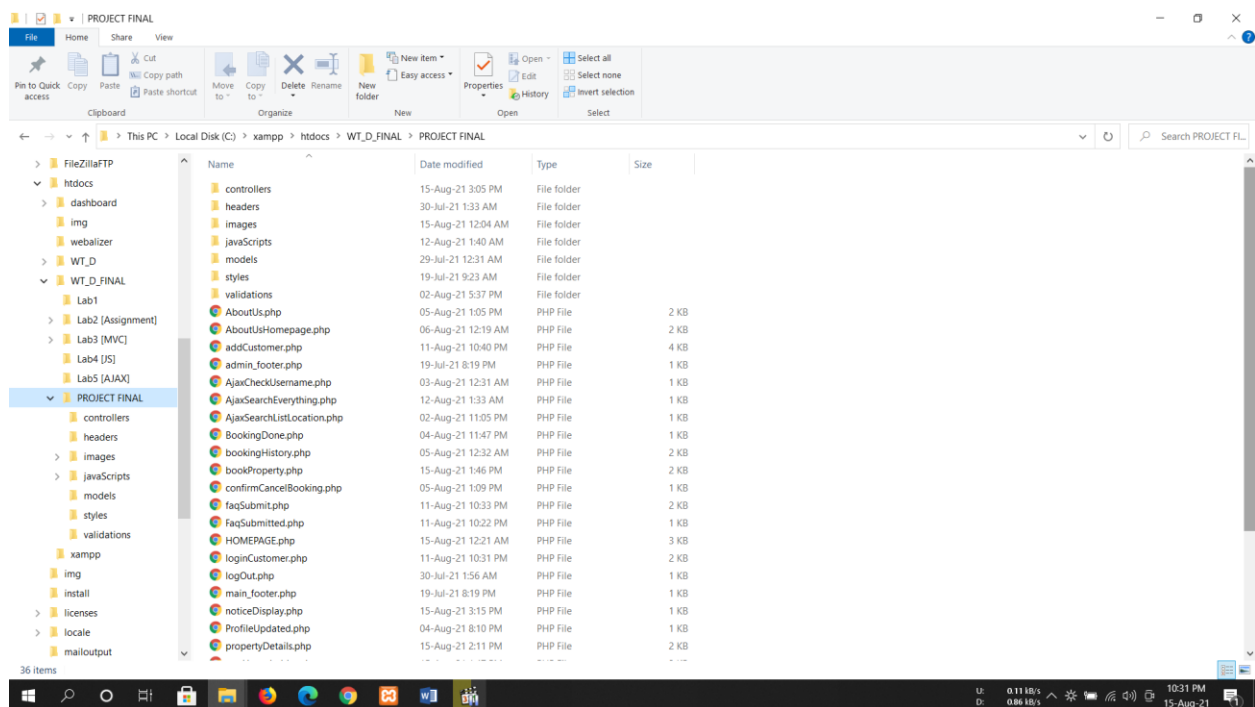
- **Registration:** A householder first has to register with basic information's.
- **Login:** To log into their individual profile they will have to use username and password.
- **Add Properties:** Householders can post different advertise of their properties with property type, area, location, price, description, and a picture of their property.
- **Edit Property:** Householders can edit information about their specific or other properties like information about area, location, type, price and etc.
- **Delete Property:** Whenever a householder wants to remove a specific property then they could easily do that by using delete option.
- **Search Property:** A householder can search a specific property from their properties list.
- **Edit Profile:** Householder can edit or update their profile information when they need to change.
- **Viewing Information:** There is a specific dashboard for viewing information's of everything. In this portion a householder can view all important data's of their selling and renting.

### **Admin:**

Admins has the ability to add, update or remove Customers and Householders. If new ads have to be added, admins can also add new ads, modify and delete. They have the ability to remove any ads if required. When a Householder registers for a new account, admins can

give them a verified tag. In the admin's dashboard, all the ratings and reviews of Householders and customers are visible. Admins play an important role answering to FAQs which are sent by customers and householders. A search bar is present on top of the dashboard where they can search anything from all the database. They have the ability to give a notice which can be viewed at the top of customers and householder's dashboard.

## Project Folder Structure:



## Core Modules of the Project:

searchProperty:

```
<?php
    session_start();
    if(!isset($_SESSION["loggedCustomer"])){
        header("Location: loginCustomer.php");
    }
    $c_uname=$_SESSION["loggedCustomer"];
    include 'headers/admin_header.php';
    require_once 'controllers/PropertiesController.php';
    $pr= getCustomerWithUsername($c_uname);
?>

<h2 class="textBlue"> Welcome Back <?php
echo $pr["c_name"];?></h2>
<div class="center">

<center></center><br>
    <form action="" method="post">
        <div>
            <h2 class="textNewBlue">Search Property</h2>
            <input type="text" placeholder="Location" name="p_location"
onkeyup="searchLocation(this)" class="form-control" style="padding: 8px 10px;">

            <select name="p_type" class="selectbox">
                <option selected disabled>Select type</option>

            <?php
                $all_types = array('For Sell','For Rent');
                foreach($all_types as $m){
                    if($m == $p_type)
                        echo "<option selected>$m</option>";
                    else
                        echo "<option>$m</option>";
                }
            ?>
            </select>
            <select name="p_category" class="selectbox">
                <option selected disabled>Select category</option>

            <?php
```

```

        $all_category = array('Flat','House','Plot');
        foreach($all_category as $n){
            if($m == $p_type)
                echo "<option selected>$n</option>";
            else
                echo "<option>$n</option>";
        }

    ?>
</select>

<input type="submit" name="btn_search" class="btn-search"
value="Search" >

<h4><div id="suggestion"></div></h4>
<span style="color:red"><?php echo $err_p_location; ?></span>
<span style="color:red"><?php echo $err_p_type; ?></span>
<span style="color:red"><?php echo $err_p_category; ?></span>
</div>
<h4 class="textBlue">Most recent searched location : <?php
if(!isset($_COOKIE["searchhistory"])){
    echo "No search found";
}
else echo $_COOKIE["searchhistory"];
?></h4>

</form>
</div>
<div class="center">
    <button id="btn_all" onclick="viewGForm()" class="btn-success"
style="padding: 8px 10px;">Search from everything</button>
    <form id="all_search" style="display:none;">
        <input type="text" style="padding: 8px 10px;" placeholder="Search..."
onkeyup="searchAll(this)"><br>
    </form>
    <h4><div id="searchResultAll"></div></h4>
</div>

<div class="center">
    <h1 class="textNewBlue">Top charts</h1>
    <table class="table table-striped">
        <thead>
            <th> #No</th>
            <th> Photo</th>
            <th> Type</th>

```

```

        <th> Category</th>
        <th> Area</th>
        <th> Location </th>
        <th> Price</th>
        <th> Owner Name</th>
        <th></th>

    </thead>
    <tbody>
        <?php
            $properties = getProperties();
            $i=1;
            foreach($properties as $p){
                echo "<tr>";
                echo "<td>$i</td>";
                echo "<td><img width='180px' height='100px'
src=\"".$p["p_photo"]."\"</td>";

                echo "<td>".$p["p_type"]."</td>";
                echo "<td>".$p["p_category"]."</td>";
                echo "<td>".$p["p_area"]."</td>";
                echo "<td>".$p["p_location"]."</td>";
                echo "<td>".$p["p_price"]."</td>";
                echo "<td>".$p["h_name"]."</td><br>";

                echo '<td><a
href="propertyDetails.php?p_id='.$p["p_id"]."\" class="btn-success">Details</a></td>';
                echo "</tr>";
                $i++;
            }
        ?>

    </tbody>
</table>
</div>

<h2 class="textNewBlue">Having
Trouble? Send us a message  <a href="faqSubmit.php" class="btn-success">Proceed to
FAQ</a></h2>

<script src ="javaScripts/locations.js"></script>
<script src ="javaScripts/searchFromAll.js"></script>

<?php include 'admin_footer.php';?>

```



## bookProperty.php:

```
<?php include 'headers/admin_header.php';
    require_once 'controllers/CustomerController.php';

    if(!isset($_SESSION["loggedCustomer"])){
        header("Location: loginCustomer.php");
    }
    $p_id=$_GET["p_id"];
    $pr=getProperty($p_id);

?>

<div class="center">
    
    <h2 class="textBlue">Confirm Booking? Varyify your identity to continue.</h2>
    <h5 class="text"><?php echo $err_db;?></h5>
    <form action="" method="post" enctype="multipart/form-data" class="form-
horizontal form-material">
        <div class="">
            <h4 class="textNewBlue">Enter Your Username:</h4>
            <input type="text" name="c_uname" class=""><span
style="color:red"><?php echo $err_c_uname; ?></span>
        </div>
        <div class="">
            <h4 class="textNewBlue">Enter Your Password:</h4>
            <input type="password" name="c_pass" class=""><span
style="color:red"><?php echo $err_c_pass; ?></span>
        </div>
        <div>
            <input type="hidden" name="p_id" class="form-control" value="<?php echo
$pr["p_id"];?>" >
        </div>
        <br>
        <div class="form-group text-center">

            <input type="submit" name="confirm_booking" class="btn-success"
value="Book" >
        </div>
    </form>
</div>
<?php include 'admin_footer.php';?>
```

## dashboard.php [Householder]

```
<?php include 'headers/admin_header.php';
require_once 'controllers/CustomerController.php';

if(!isset($_SESSION["loggedCustomer"])){
    header("Location: loginCustomer.php");
}
$p_id=$_GET["p_id"];
$pr=getPropery($p_id);

?>

<div class="center">
    
    <h2 class="textBlue">Confirm Booking? Varify your identity to continue.</h2>
    <h5 class="text"><?php echo $err_db;?></h5>
    <form action="" method="post" enctype="multipart/form-data" class="form-
horizontal form-material">
        <div class="">
            <h4 class="textNewBlue">Enter Your Username:</h4>
            <input type="text" name="c_uname" class=""><span
style="color:red"><?php echo $err_c_uname; ?></span>
        </div>
        <div class="">
            <h4 class="textNewBlue">Enter Your Password:</h4>
            <input type="password" name="c_pass" class=""><span
style="color:red"><?php echo $err_c_pass; ?></span>
        </div>
        <div>
            <input type="hidden" name="p_id" class="form-control" value="<?php echo
$pr["p_id"];?>" >
        </div>
        <br>
        <div class="form-group text-center">

            <input type="submit" name="confirm_booking" class="btn-success"
value="Book" >
        </div>
    </form>
</div>
<?php include 'admin_footer.php';?>
```

## Database Schema:

### ER Diagram of Real Estate Management System

