

Acknowledgement

Apart from the efforts of the group members, the success of any project depends largely on the encouragement and guidelines of many others. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project. We would like to show our greatest appreciation to **Mr.M.Vijayakumar**, who gave us the opportunity to do this wonderful project on the topic '**Online Real Estate Management**'. We can't say thank him enough for his tremendous support and help. We feel motivated and encouraged every time we attend his class. Without his encouragement and guidance this project would not have materialized. The guidance and support received from all the members who contributed and who are contributing to this project, were vital for the success of the project. We are grateful for their constant support and help.

Problem Description

This is a basic website for online real estate management system that will keep record of housing properties available on rent or for sale, and will work as connecting bridge between buyers and property advertisers.

Due to this system there is no need to visit various places in search of desired property. The information of various properties in various locations can be accessible at one place.

This system will provide a platform to home line property advertisers and buyers. This will keep record of land, houses or flats available for sale or on rent with their rates and make this available to buyers. Also will keep record of contact information of buyer and will send necessary notices and/or reminders to customer.

Vision

The purpose of the website for online real estate management system is to help the admin to keep the track of all the advertisers, buyers, their details and manage the sales. The online real estate management system that is designed for the customers to view, buy and rent several houses, apartments and land. This system covers all the functionality related to viewing, buying and selling a house or an apartment or a land.

Scope

The scope of the project contains following features:

- It is a website aimed at computerizing and automating the working of real estate agents.
- It provides a platform for comprehensive data maintenance and information access, with the help of database management system.
- It is simple and user friendly with an easy to use graphical interface.
- Make use of common practice among realtors i.e. information sharing.
- Caters to both corporate as well as builders through the readers only.
- Allows search operations to cater to the requirements of prospective customers.
- Involves view options for generalized outlook.
- Value added services enhance the software.

Files of the website

The various files involves in the construction of the website are:

1. index.php
2. login_signup.php
3. signup.php
4. login.php
5. users.php
6. errors.php
7. buy_entry2.php
8. rent_entry.php
9. checkout.php



Header Image



Logo

Code for index.php

```
<?php
session_start();

if (!isset($_SESSION['username'])) {
    $_SESSION['msg'] = "You must log in first";
    header('location: login_signup.php');
}
if (isset($_GET['logout'])) {
    session_destroy();
    unset($_SESSION['username']);
    header("location: login_signup.php");
}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .header .login_signup {
            float: right;
            display: block;
            color: #000000;
            font-size: 20px;
```

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```
text-align: center;
padding: 5px 5px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
background: #4b6ba0;
}

.header .login_signup:hover{
    cursor: pointer;
}

.topnav {
    overflow: hidden;
    background-color: #4b6ba0;
}

.topnav .label {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 10px 10px;
    text-decoration: none;
    box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.topnav .label:hover {
    background-color: #ddd;
    color: black;
    cursor: pointer;
}

.column {
    float: left;
    height: 400px;
    margin-top: 10px;
}

/* Left and right column */
.column.side {
    width: 25%;
    float: left;
    display: block;
    color: #000000;
    text-align: center;
    text-decoration: none;
```

```
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

/* Middle column */
.column.middle {
width: 49%;
float: left;
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
margin-left: 0.5%;
margin-right: 0.5%;
}

.row:after {
content: "";
display: table;
clear: both;
}

.column .label {
float: left;
display: block;
color: #000000;
text-align: center;
padding: 10px 10px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.footer {
margin-top: 10px;
background-color: #4b6ba0;
left: 0;
bottom: 0;
position: fixed;
width: 100%;
height: 40px;
padding: 10px;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
}
```



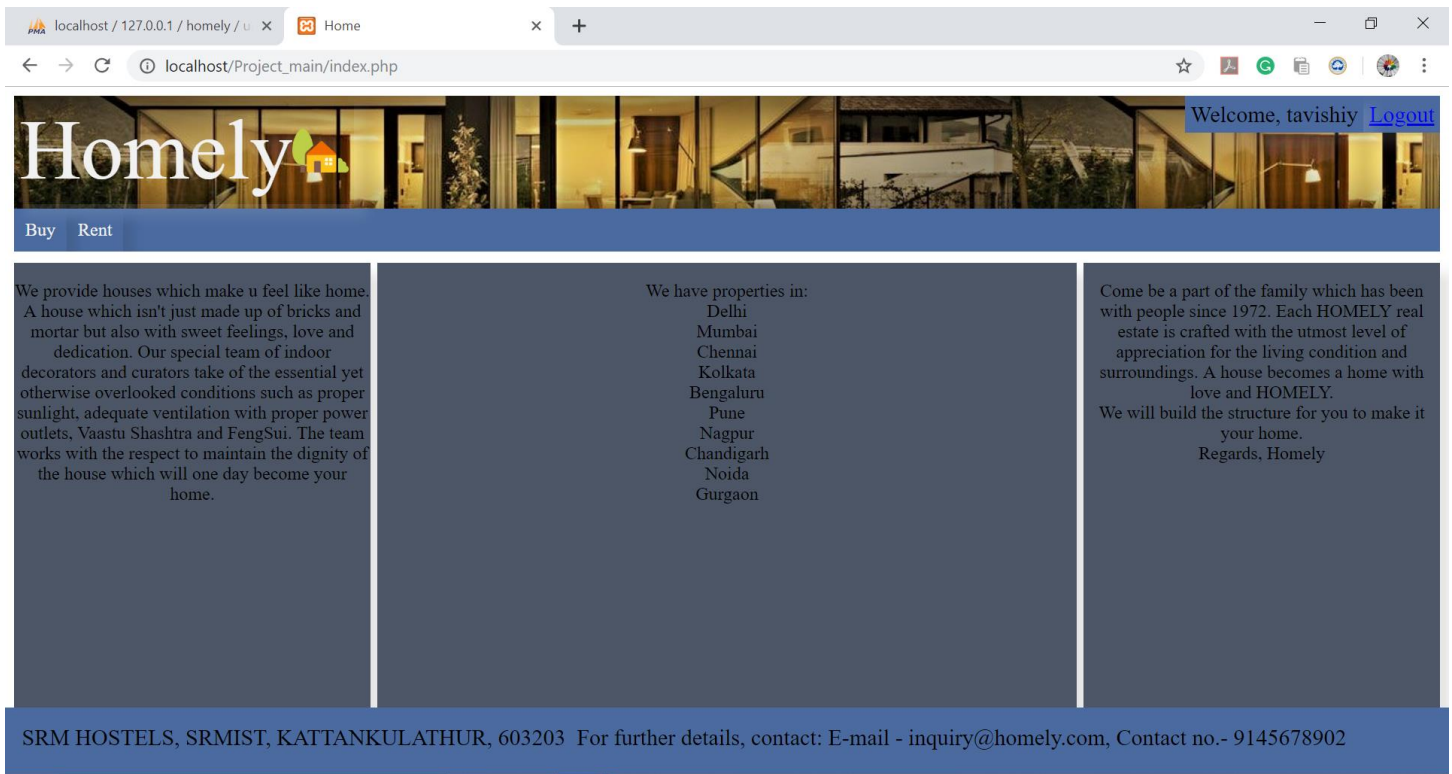
```
.footer .label {
    float: left;
    display: block;
    color: #000000;
    font-size: 20px;
    text-align: center;
    padding: 5px 5px;
    text-decoration: none;
}

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label">Homely<html></html></label>
        <?php if (isset($_SESSION['username'])) : ?>
            <label for="user" class="login_signup"><a
href="index.php?logout=1">Logout</a></label>
            <label for="user" class="login_signup">Welcome, <?php echo
$_SESSION['username']; ?></label>
            <?php else : ?>
                <label for="user" class="login_signup"
onclick="location.href='login_signup.php'">Log In/Sign Up</label>
            <?php endif ?>
        </div>
        <div class="topnav">
            <label for="user" class="label"
onclick="location.href='buy_entry2.php'">Buy</label>
            <label for="user" class="label"
onclick="location.href='rent_entry.php'">Rent</label>
            <!-- <label for="user" class="label">Sell</label> -->
            <!-- <label for="user" class="label">Lease</label> -->
        </div>
        <div class="row">
            <div class="column side">
                <p>We provide houses which make u feel like home. A house
which isn't just made up of bricks and mortar but also with sweet feelings, love and dedication.
Our special team of indoor decorators and curators take of the essential yet otherwise overlooked
conditions such as proper sunlight, adequate ventilation with proper power outlets, Vaastu
Shashtra and FengSui. The team works with the respect to maintain the dignity of the house
which will one day become your home.</p>
            </div>
            <div class="column middle">
```

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```
<p for="user" class="middle">We have properties
in:<br>Delhi<br>Mumbai<br>Chennai<br>Kolkata<br>Bengaluru<br>Pune<br>Nagpur<br>C
handigarh<br>Noida<br>Gurgaon</p>
</div>
<div class="column side">
<p for="user" class="side">Come be a part of the family which has been with
people since 1972. Each HOMELY real estate is crafted with the utmost level of appreciation for
the living condition and surroundings. A house becomes a home with love and
HOMELY.<br>We will build the structure for you to make it your home.<br>Regards,
Homely</p>
</div>
</div>
<div class="footer">
<label for="user" class="label">SRM HOSTELS, SRMIST,
KATTANKULATHUR, 603203</label>
<label for="user" class="label">For further details, contact: E-mail -
inquiry@homely.com, Contact no.- 9145678902</label>
</div>
</body>
</html>
```

Screenshot



Code for login_signup.php

```
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .topnav {
            overflow: hidden;
            background-color: #4b6ba0;
        }

        .topnav .label {
            float: left;
            display: block;
            color: #f2f2f2;
            text-align: center;
            padding: 10px 10px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
        }

        .topnav .label:hover {
            background-color: #ddd;
            color: black;
        }
```

```
        cursor: pointer;
    }

    .column {
        margin: auto;
        margin-top: 10px;
        height: 400px;
        width: 40%;
    }

    /* Left and right column */
    .column .login_label {
        float: left;
        width: 50%;
        margin-bottom: 5px;
        display: block;
        color: #ffffff;
        height: 30px;
        text-align: center;
        padding-top: 20px;
        padding-bottom: 20px;
        text-decoration: none;
        background-color: #4b6ba0;
        font-size: 20px;
        border-radius: 10px;
        box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
    }

    .column .login_label .label {
        color: #000000;
        display: block;
        text-align: center;
        text-decoration: none;
        border-radius: 10px;
        background-color: #4b6ba0;
    }

    .column .login_label .label:hover{
        cursor: pointer;
    }

    .column .disp_field_error{
        color: #000000;
        margin : auto;
        display: block;
        font-size: 20px;
```

```
        text-align: center;
        text-decoration: none;
        width: 50%;
        padding: 2px;
    }

    .footer {
        margin-top: 10px;
        background-color: #4b6ba0;
        left: 0;
        bottom: 0;
        position: fixed;
        width: 100%;
        height: 40px;
        padding: 10px;
        box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
    }

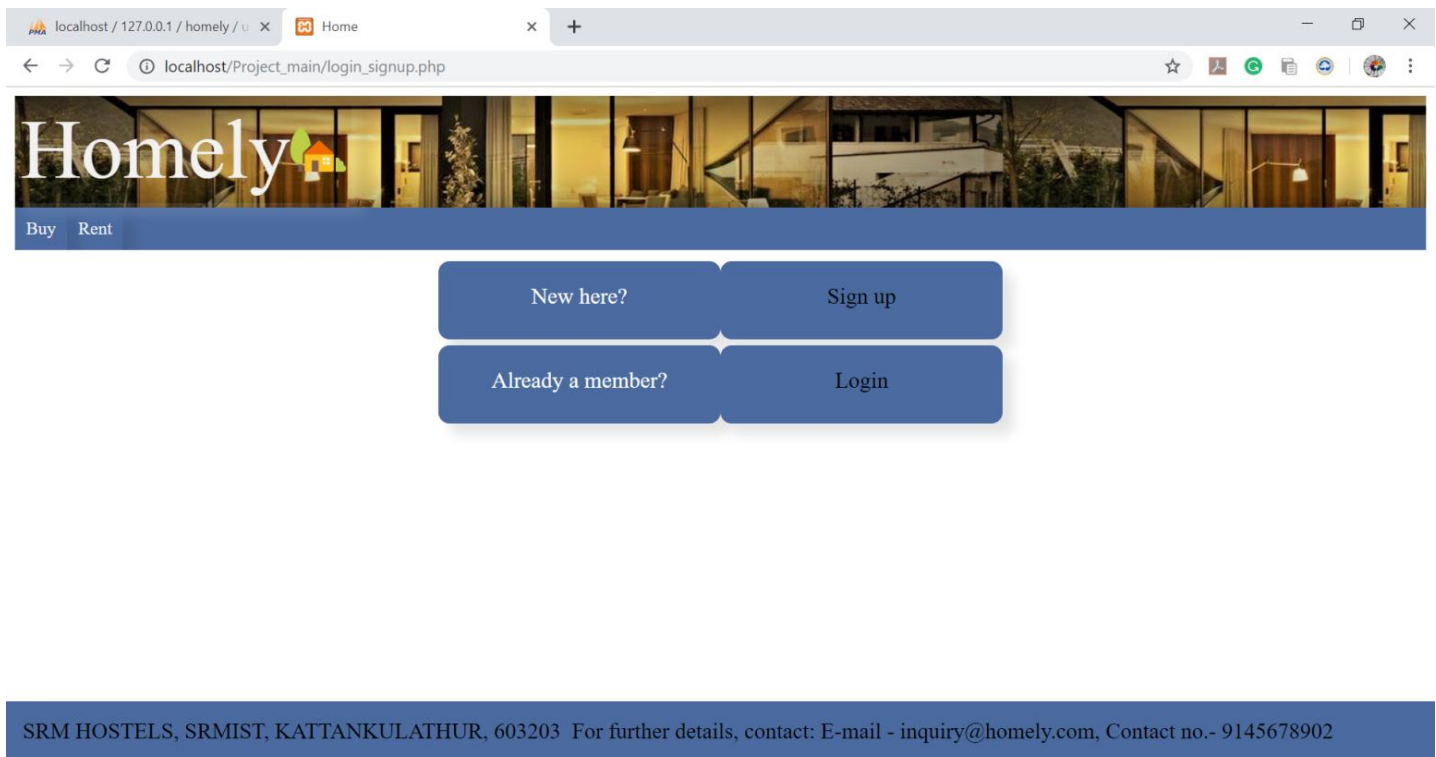
    .footer .label {
        float: left;
        display: block;
        color: #000000;
        font-size: 20px;
        text-align: center;
        padding: 5px 5px;
        text-decoration: none;
    }

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely<html></html></label>
    </div>
    <div class="topnav">
        <label for="user" class="label">Buy</label>
        <label for="user" class="label">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>
    <div class="column">
        <label for="user" class="login_label">New here?</label>
        <div class="login_label">
```

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```
        <label for="user" class="label"
onclick="location.href='signup.php'">Sign up</label>
    </div>
    <label for="user" class="login_label">Already a member?</label>
    <div class="login_label">
        <label for="user" class="label"
onclick="location.href='login.php'">Login</label>
    </div>
</div>
<div class="footer">
    <label for="user" class="label">SRM HOSTELS, SRMIST,
KATTANKULATHUR, 603203</label>
    <label for="user" class="label">For further details, contact: E-mail -
inquiry@homely.com, Contact no.- 9145678902</label>
</div>
</body>
</html>
```

Screenshot



Code for signup.php

```
<?php include('users.php') ?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .topnav {
            overflow: hidden;
            background-color: #4b6ba0;
        }

        .topnav .label {
            float: left;
            display: block;
            color: #f2f2f2;
            text-align: center;
            padding: 10px 10px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
        }

        .topnav .label:hover {
            background-color: #ddd;
```

```
        color: black;
        cursor: pointer;
    }

    .column {
        margin: auto;
        margin-top: 10px;
        height: 600px;
        width: 40%;
        border: 3px solid #4b6ba0;
        border-radius: 15px;
    }
    /* Left and right column */
    .column .signup_label {
        float: left;
        width: 100%;
        margin-bottom: 5px;
        display: block;
        color: #ffffff;
        height: 30px;
        text-align: center;
        padding-top: 20px;
        padding-bottom: 20px;
        text-decoration: none;
        background-color: #4b6ba0;
        font-size: 20px;
        border-radius: 10px;
        box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
    }

    .column .signup_label .label {
        color: #000000;
        display: block;
        text-align: center;
        text-decoration: none;
        border-radius: 10px;
        background-color: #4b6ba0;
    }

    .column .disp_field{
        float: left;
        color: #000000;
        margin-top: 10px;
        display: block;
        font-size: 20px;
        text-align: center;
```



```
        text-decoration: none;
        width: 48%;
        padding: 2px;
    }

    .column .disp_field_error{
        color: #000000;
        margin : auto;
        display: block;
        font-size: 20px;
        text-align: center;
        text-decoration: none;
        width: 50%;
        padding: 2px;
    }

    .column .input{
        float: left;
        color: #000000;
        font-size: 20px;
        margin-top: 10px;
        margin-left: 5px;
        display: block;
        text-align: center;
        text-decoration: none;
        width: 48%;
        padding: 2px;
        border: 1px solid #4b6ba0;
        border-radius: 5px;
    }

    .column .button{
        margin-top: 60%;
        margin-left: 25%;
        text-align: center;
        padding: 3px;
        width: 50%;
        height: 10%;
        color: #ffffff;
        font-size: 25px;
        border-radius: 5px;
    }

    .column .button:hover{
        cursor: pointer;
    }
```

```
.footer {
    margin-top: 10px;
    background-color: #4b6ba0;
    left: 0;
    bottom: 0;
    position: fixed;
    width: 100%;
    height: 40px;
    padding: 10px;
    box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
}

.footer .label {
    float: left;
    display: block;
    color: #000000;
    font-size: 20px;
    text-align: center;
    padding: 12px;
    text-decoration: none;
}

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely</html></html></label>
    </div>
    <div class="topnav">
        <label for="user" class="label">Buy</label>
        <label for="user" class="label">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>

    <form method="post" action="signup.php">
        <div class="column">
            <div class="signup_label">
                <label for="user" class="label">Sign up</label>
            </div>
            <label for="user" class="disp_field">Username</label>
            <input id="user" type="text" class="input" value="<?php echo
$username; ?>" name="username">
        </div>
    </form>
</body>
</html>
```

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```

        <label for="user" class="disp_field">Email Id</label>
        <input id="user" type="text" class="input" value="<?php echo
$email; ?>" name="email">
        <label for="user" class="disp_field">Password</label>
        <input id="user" type="password" class="input" value="<?php echo
$password; ?>" name="password">
        <label for="user" class="disp_field">Repeat password</label>
        <input id="user" type="password" class="input" value="<?php echo
$repeatpassword; ?>" name="repeatpassword">
        <label for="user" class="disp_field">Contact</label>
        <input id="user" type="tel" class="input" value="<?php echo
$contact; ?>" name="contact">

        <div class="button">
            <button type="submit"
name="reg_user">Register</button>
        </div>

        <label for="user" class="disp_field_error"><?php
include('errors.php'); ?></label>

    </div>
</form>

<div class="footer">
    <label for="user" class="label">SRM HOSTELS, SRMIST,
KATTANKULATHUR, 603203</label>
    <label for="user" class="label">For further details, contact: E-mail -
inquiry@homely.com Contact no.- 9145678902</label>
</div>
</body>
</html>
```

Screenshots

A screenshot of a web browser showing the sign-up page of a website named 'Homely'. The browser's address bar shows 'localhost/Project_main/signup.php'. The page features a header with the 'Homely' logo and a navigation bar with 'Buy' and 'Rent' links. The main content area contains a 'Sign up' form with the following fields: Username, Email Id, Password, Repeat password, and Contact. A 'Register' button is located below the form. At the bottom of the page, there is a footer with contact information: 'SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com Contact no.- 9145678902'.

Validation Checking:

A screenshot of the same 'Homely' sign-up page, but with validation errors. The 'Email Id' field, which contains 'abc', is highlighted with a red border. To the right of the form, a pink message box displays the text 'Wrong Email Format'. The other fields are filled with 'ABC' for Username, '...' for Password and Repeat password, and '9176244230' for Contact. The 'Register' button is visible at the bottom of the form. The footer remains the same as in the previous screenshot.

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Sign up

Username	<input type="text" value="ABC"/>
Email Id	<input type="text" value="abc"/>
Password	<input type="password"/>
Repeat password	<input type="password"/>
Contact	<input type="text" value="9176244230"/>

Invalid email format

localhost / 127.0.0.1 / homely / Home

localhost/Project_main/signup.php

Homely

Buy Rent

Sign up

Username	<input type="text" value="ABC"/>
Email Id	<input type="text" value="abc@xyz.com"/>
Password	<input type="password"/>
Repeat password	<input type="password"/>
Contact	<input type="text" value="9176244230"/>

No Password entered

SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com Contact no.- 9145678902

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Sign up

Username

ABC

Email Id

abc@xyz.com

Password

Repeat password

Contact

9176244230

Register

Password is required

Code for login.php

```
<?php include('users.php') ?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .topnav {
            overflow: hidden;
            background-color: #4b6ba0;
        }

        .topnav .label {
            float: left;
            display: block;
            color: #f2f2f2;
            text-align: center;
            padding: 10px 10px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
        }

        .topnav .label:hover {
            background-color: #ddd;
        }
    </style>
</head>
<body>
```

```
        color: black;
        cursor: pointer;
    }

    .column {
        margin: auto;
        margin-top: 10px;
        height: 600px;
        width: 40%;
        border: 3px solid #4b6ba0;
        border-radius: 15px;
    }

    /* Left and right column */
    .column .login_label {
        float: left;
        width: 100%;
        margin-bottom: 5px;
        display: block;
        color: #ffffff;
        height: 30px;
        text-align: center;
        padding-top: 20px;
        padding-bottom: 20px;
        text-decoration: none;
        background-color: #4b6ba0;
        font-size: 20px;
        border-radius: 10px;
        box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
    }

    .column .login_label .label {
        color: #000000;
        display: block;
        text-align: center;
        text-decoration: none;
        border-radius: 10px;
        background-color: #4b6ba0;
    }

    .column .disp_field{
        float: left;
        color: #000000;
        margin-top: 10px;
        display: block;
        font-size: 25px;
```



```
        text-align: center;
        text-decoration: none;
        width: 48%;
        padding: 2px;
    }

    .column .disp_field_error{
        color: #000000;
        margin-top : 25%;
        margin-left: auto;
        margin-right: auto;
        display: block;
        font-size: 20px;
        text-align: center;
        text-decoration: none;
        width: 50%;
        padding: 2px;
    }

    .column .input{
        float: left;
        color: #000000;
        font-size: 25px;
        margin-top: 10px;
        margin-left: 5px;
        display: block;
        text-align: center;
        text-decoration: none;
        width: 48%;
        padding: 2px;
        border: 1px solid #4b6ba0;
        border-radius: 5px;
    }

    .column .button{
        margin-top: 10%;
        margin-left: 25%;
        text-align: center;
        padding: 3px;
        width: 50%;
        height: 5%;
        color: #ffffff;
        font-size: 25px;
        border-radius: 5px;
    }
```

```
.column .button:hover{
    cursor: pointer;
}

.footer {
    margin-top: 10px;
    background-color: #4b6ba0;
    left: 0;
    bottom: 0;
    position: fixed;
    width: 100%;
    height: 40px;
    padding: 10px;
    box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
}

.footer .label {
    float: left;
    display: block;
    color: #000000;
    font-size: 20px;
    text-align: center;
    padding: 5px 5px;
    text-decoration: none;
}

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely<html></html></label>
    </div>
    <div class="topnav">
        <label for="user" class="label">Buy</label>
        <label for="user" class="label">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>
    <form method="post" action="login.php">
        <div class="column">
            <div class="login_label">
                <label for="user" class="label">Login</label>
            </div>
            <label for="user" class="disp_field">Username</label>
        </div>
    </form>
</body>
</html>
```

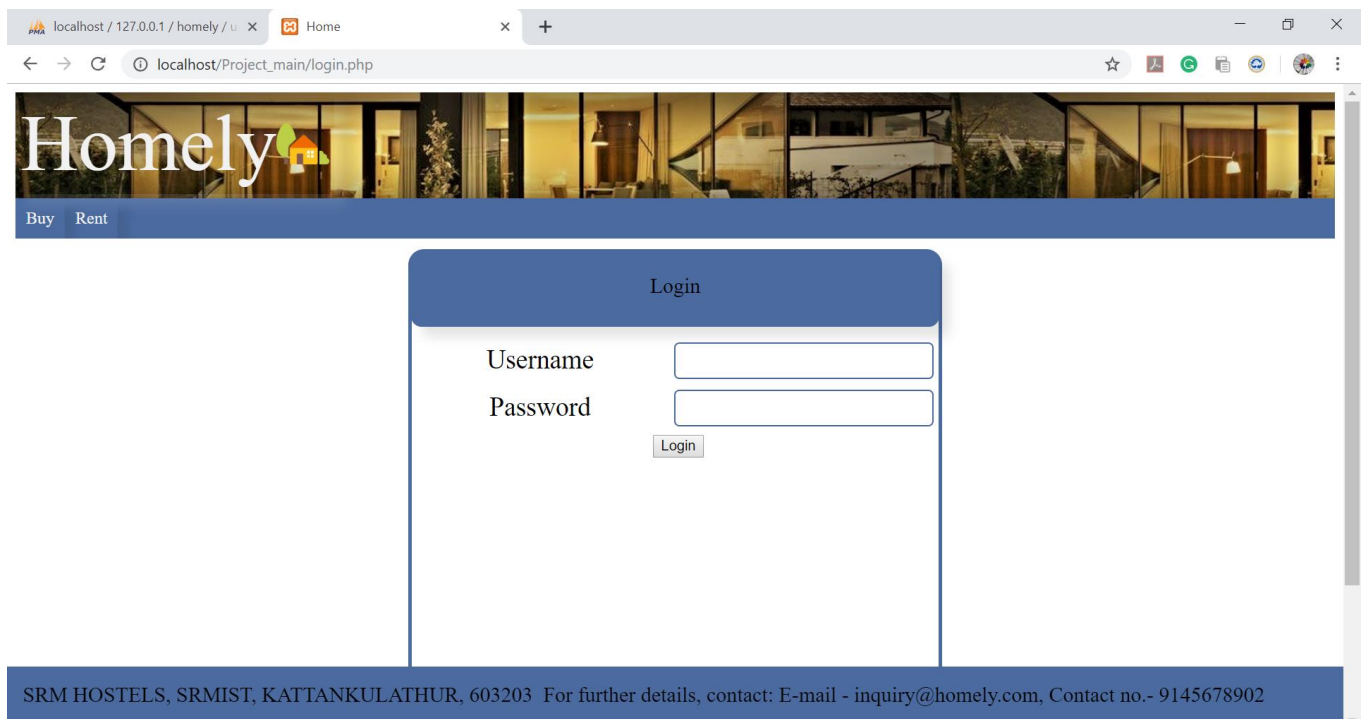
ONLINE REAL ESTATE MANAGEMENT

```
<input id="user" type="text" class="input" value=" <?php echo
$username; ?>" name="username">
<label for="user" class="disp_field">Password</label>
<input id="user" type="password" class="input" value="<?php echo
$password; ?>" name="password">
<div class="button">
    <button type="submit"
name="login_user">Login</button>
</div>

<label for="user" class="disp_field_error"><?php
include('errors.php'); ?></label>

</div>
</form>
<div class="footer">
    <label for="user" class="label">SRM HOSTELS, SRMIST,
KATTANKULATHUR, 603203</label>
    <label for="user" class="label">For further details, contact: E-mail -
inquiry@homely.com, Contact no.- 9145678902</label>
</div>
</body>
</html>
```

Screenshot



Code for users.php

```
<?php
session_start();

// initializing variables
$username = "";
$email = "";
$contact = "";
$password = "";
$repeatpassword = "";
$errors = array();

// connect to the database
$db = mysqli_connect('localhost', 'root', '', 'homely');

// REGISTER USER
if (isset($_POST['reg_user'])) {
    // receive all input values from the form
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $email = mysqli_real_escape_string($db, $_POST['email']);
    $password_1 = mysqli_real_escape_string($db, $_POST['password']);
    $password_2 = mysqli_real_escape_string($db, $_POST['repeatpassword']);
    $contact = mysqli_real_escape_string($db, $_POST['contact']);

    // form validation: ensure that the form is correctly filled ...
    // by adding (array_push()) corresponding error unto $errors array
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {array_push($errors, "Invalid email
format");}

    if (empty($username)) { array_push($errors, "Username is required"); }
    if (empty($email)) { array_push($errors, "Email is required"); }
    if (empty($password_1)) { array_push($errors, "Password is required"); }
    if ($password_1 != $password_2) {
        array_push($errors, "The two passwords do not match");
    }

    // first check the database to make sure
    // a user does not already exist with the same username and/or email
    $user_check_query = "SELECT * FROM users WHERE username='$username' OR
email='$email' LIMIT 1";
    $result = mysqli_query($db, $user_check_query);
    $user = mysqli_fetch_assoc($result);

    if ($user) { // if user exists
```

ONLINE REAL ESTATE MANAGEMENT

```
if ($user['username'] === $username) {
    array_push($errors, "Username already exists");
}

if ($user['email'] === $email) {
    array_push($errors, "email already exists");
}
}

// Finally, register user if there are no errors in the form
if (count($errors) == 0) {
    $password = $password_1;//encrypt the password before saving in the database

    $query = "INSERT INTO users (username, email, password,contact)
              VALUES('$username', '$email', '$password', '$contact')";
    mysqli_query($db, $query);
    $_SESSION['username'] = $username;
    $_SESSION['success'] = "You are now logged in";
    header('location: index.php');
}
}
if (isset($_POST['login_user'])) {
    $username = mysqli_real_escape_string($db, $_POST['username']);
    $password_1 = mysqli_real_escape_string($db, $_POST['password']);

    if (empty($username)) {
        array_push($errors, "Username is required");
    }
    if (empty($password_1)) {
        array_push($errors, "Password is required");
    }

    if (count($errors) == 0) {
        $password = $password_1;
        $query = "SELECT * FROM users WHERE username='$username' AND
password='$password'";
        $results = mysqli_query($db, $query);
        if (mysqli_num_rows($results) == 1) {
            $_SESSION['username'] = $username;
            $_SESSION['success'] = "You are now logged in";
            header('location: index.php');
        }else {
            array_push($errors, "Wrong username/password combination");
        }
    }
}
}
```

?>

Code for errors.php

```
<?php if (count($errors) > 0) : ?>
  <div class="error">
    <?php foreach ($errors as $error) : ?>
      <p><?php echo $error ?></p>
    <?php endforeach ?>
  </div>
<?php endif ?>
```

Code for buy_entry2.php

```
<?php
    session_start();

        if (isset($_GET['logout'])) {
            session_destroy();
            unset($_SESSION['username']);
            header("location: login_signup.php");
        }
?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        table tr:not(:first-child){
            cursor: pointer; transition: all .25s ease-in-out;
        }

        table tr:not(:first-child):hover{
            background-color: #ddd;
        }

        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .header .login_signup {
```

```
float: right;
display: block;
color: #000000;
font-size: 20px;
text-align: center;
padding: 5px 5px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
background: #4b6ba0;
}

.header .login_signup:hover{
    cursor: pointer;
}

.topnav {
    overflow: hidden;
    background-color: #4b6ba0;
}

.topnav .label {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 10px 10px;
    text-decoration: none;
    box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.topnav .label:hover {
    background-color: #ddd;
    color: black;
    cursor: pointer;
}

.column {
    float: left;
    height: 400px;
    margin-top: 10px;
}

/* Left and right column */
.column.side {
    width: 25%;
    float: left;
```



```
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

/* Middle column */
.column.middle {
width: 49%;
float: left;
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
margin-left: 0.5%;
margin-right: 0.5%;
}

.row:after {
content: "";
display: table;
clear: both;
}

.column .label {
float: left;
display: block;
color: #000000;
text-align: center;
padding: 10px 10px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.footer {
margin-top: 10px;
background-color: #4b6ba0;
left: 0;
bottom: 0;
position: fixed;
width: 100%;
height: 40px;
```

ONLINE REAL ESTATE MANAGEMENT

```
padding: 10px;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
}

.footer .label {
    float: left;
    display: block;
    color: #000000;
    font-size: 20px;
    text-align: center;
    padding: 5px 5px;
    text-decoration: none;
}

.dropdown{
    padding: 5px;
}

.message{
    width: 100%;
}

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely<html></html></label>
        <?php if (isset($_SESSION['username'])) : ?>
            <label for="user" class="login_signup"><a
href="index.php?logout='1'">Logout</a></label>
            <label for="user" class="login_signup">Welcome, <?php echo
$_SESSION['username']; ?></label>
        <?php else : ?>
            <label for="user" class="login_signup"
onclick="location.href='login_signup.php'">Log In/Sign Up</label>
        <?php endif ?>
    </div>
    <div class="topnav">
        <label for="user" class="label"
onclick="location.href='buy_entry2.php'">Buy</label>
        <label for="user" class="label"
onclick="location.href='rent_entry.php'">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>
</body>
</html>
```

```
</div>
<div class="dropdown">
    <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
        <center>
            <label>Choose the city:</label>
            <select name="city">
                <option value="">Select...</option>
                <option value="Delhi">Delhi</option>
                <option value="Mumbai">Mumbai</option>
                <option value="Chennai">Chennai</option>
                <option value="Kolkata">Kolkata</option>
                <option value="Bengaluru">Bengaluru</option>
                <option value="Pune">Pune</option>
                <option value="Nagpur">Nagpur</option>
                <option
value="Chandigarh">Chandigarh</option>
                <option value="Noida">Noida</option>
                <option value="Gurgaon">Gurgaon</option>
            </select>
            <button name="submit">Go</button>
        </center>
    </form>
</div>

<center>
    <table id="table" border="1" borderColor="blue">
        <tr>
            <th>ID</th>
            <th>City</th>
            <th>BHK</th>
            <th>Locality</th>
            <th>Name</th>
            <th>Price</th>
        </tr>
    <?php
$conn = mysqli_connect("localhost", "root", "",
"homely");

if($conn -> connect_error){
    die("Connection failed:". $conn->connect_error);
}

if(isset($_POST['submit'])){
    $city = $_POST['city'];
    // echo "City:$city";
```

ONLINE REAL ESTATE MANAGEMENT

```
$sql = "SELECT id,city,bhk,locality,name,price
FROM to_buy WHERE city='".$city.'" and sold=0;";
$result = $conn->query($sql);

if($result->num_rows > 0){
    while($row = $result->fetch_assoc()){
        ?>
        <tr>
            <td><?php echo
$row["id"]; ?></td>
            <td><?php echo
$row["city"]; ?></td>
            <td><?php echo
$row["bhk"]; ?></td>
            <td><?php echo
$row["locality"]; ?></td>
            <td><?php echo
$row["name"]; ?></td>
            <td><?php echo
$row["price"]; ?></td>
        </tr>
    <?php
    }
}
?>
</table>
<form action="checkout.php" method="post">
    <input type="text" name="info" id="info" class="message"><br>
    <label>Property ID:</label>
    <input type="text" name="code" id="code" ><br>
    <input type="submit" name="book"
onclick="location.href'checkout.php'">
</form>
</center>

<script type="text/javascript">
    var table = document.getElementById('table');

    for(var i=1; i < table.rows.length; i++){
        table.rows[i].onclick = function(){
            // document.getElementById('info').value =
this.cells[0].innerHTML;
            id = this.cells[0].innerHTML;
```

ONLINE REAL ESTATE MANAGEMENT

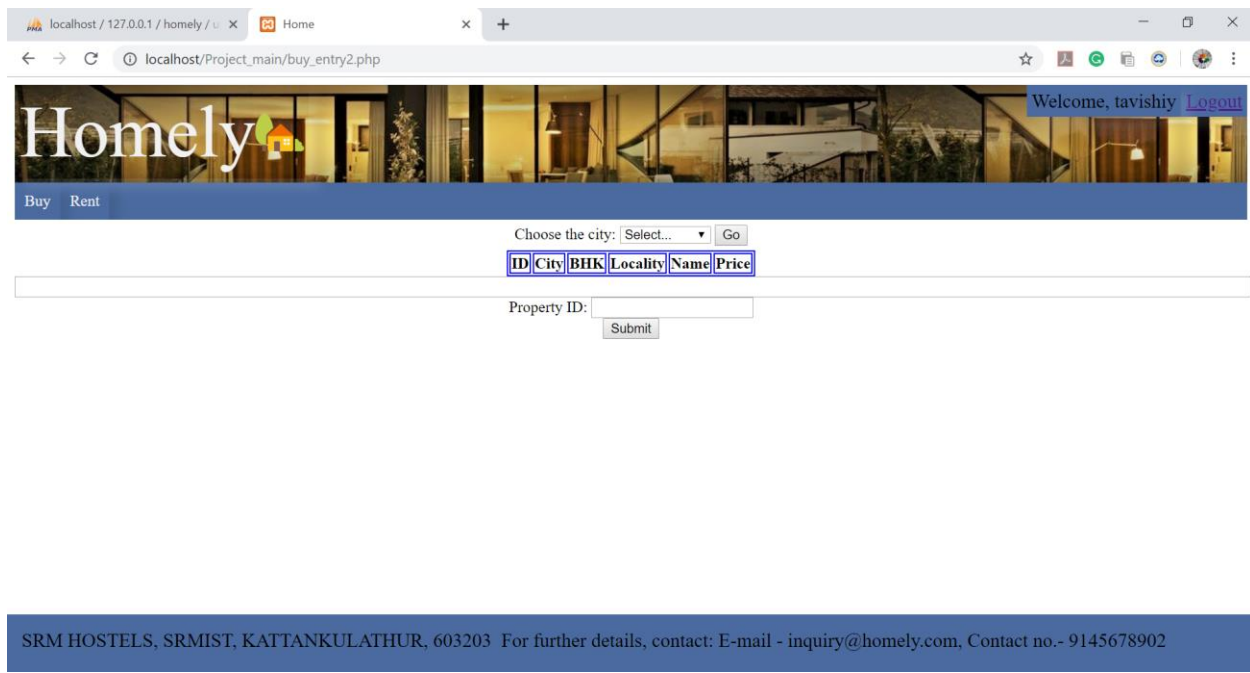
```
document.getElementById('info').value = "You have  
chosen the " + this.cells[4].innerHTML + " which is located in the " + this.cells[3].innerHTML +  
" locality of " + this.cells[1].innerHTML + " and has " + this.cells[2].innerHTML + " bedrooms,  
one hall and one kitchen. The price of this house is : Rs." + this.cells[5].innerHTML + ". Do you  
want to proceed with the transaction?";
```

```
document.getElementById('code').value =  
this.cells[0].innerHTML;  
};  
}
```

```
</script>
```

```
<div class="footer">  
    <label for="user" class="label">SRM HOSTELS, SRMIST,  
KATTANKULATHUR, 603203</label>  
    <label for="user" class="label">For further details, contact: E-mail -  
inquiry@homely.com, Contact no.- 9145678902</label>  
</div>  
</body>  
</html>
```

Screenshots



ONLINE REAL ESTATE MANAGEMENT

localhost / 127.0.0.1 / homely / Home

localhost/Project_main/buy_entry2.php

Welcome, tavishiy [Logout](#)

Buy Rent

Choose the city: Select... Go

ID	City	BHK	Price
	Delhi		
	Mumbai		
	Chennai		
	Kolkata		
	Bengaluru		
	Pune		
	Nagpur		
	Chandigarh		
	Noida		
	Gurgaon		

Property ID:

SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

localhost / 127.0.0.1 / homely / Home

localhost/Project_main/buy_entry2.php

Welcome, tavishiy [Logout](#)

Buy Rent

Choose the city: Select... Go

ID	City	BHK	Locality	Name	Price
4	Chennai	2	Tambaram	Krishna Palace	4000000
15	Chennai	2	Chromepet	Vaikuntham	4500000

Property ID:

Submit

SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

ONLINE REAL ESTATE MANAGEMENT

localhost / 127.0.0.1 / homely / Home

localhost/Project_main/buy_entry2.php

Welcome, tavishiy [Logout](#)

Buy Rent

Choose the city: Go

ID	City	BHK	Locality	Name	Price
4	Chennai	2	Tambaram	Krishna Palace	4000000
15	Chennai	2	Chromepet	Vaikuntham	4500000

You have chosen the Krishna Palace which is located in the Tambaram locality of Chennai and has 2 bedrooms, one hall and one kitchen. The price of this house is : Rs.4000000. Do you want to proceed with the tra

Property ID:

SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

localhost / 127.0.0.1 / homely / Home

localhost/Project_main/checkout.php

Welcome, tavishiy [Logout](#)

Buy Rent

The property has been booked.Congratulations!

SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

Code for rent_entry.php

```
<?php
    session_start();

        if (isset($_GET['logout'])) {
            session_destroy();
            unset($_SESSION['username']);
            header("location: login_signup.php");
        }
?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        table tr:not(:first-child){
            cursor: pointer; transition: all .25s ease-in-out;
        }

        table tr:not(:first-child):hover{
            background-color: #ddd;
        }

        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .header .login_signup {
```



```
float: right;
display: block;
color: #000000;
font-size: 20px;
text-align: center;
padding: 5px 5px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
background: #4b6ba0;
}

.header .login_signup:hover{
    cursor: pointer;
}

.topnav {
    overflow: hidden;
    background-color: #4b6ba0;
}

.topnav .label {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 10px 10px;
    text-decoration: none;
    box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.topnav .label:hover {
    background-color: #ddd;
    color: black;
    cursor: pointer;
}

.column {
    float: left;
    height: 400px;
    margin-top: 10px;
}

/* Left and right column */
.column.side {
    width: 25%;
    float: left;
```

```
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}
```

```
/* Middle column */
.column.middle {
width: 49%;
float: left;
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
margin-left: 0.5%;
margin-right: 0.5%;
}
```

```
.row:after {
content: "";
display: table;
clear: both;
}
```

```
.column .label {
float: left;
display: block;
color: #000000;
text-align: center;
padding: 10px 10px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}
```

```
.footer {
margin-top: 10px;
background-color: #4b6ba0;
left: 0;
bottom: 0;
position: fixed;
width: 100%;
height: 40px;
```

ONLINE REAL ESTATE MANAGEMENT

```
        padding: 10px;
        box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
    }

    .footer .label {
        float: left;
        display: block;
        color: #000000;
        font-size: 20px;
        text-align: center;
        padding: 5px 5px;
        text-decoration: none;
    }

    .dropdown{
        padding: 5px;
    }

    .message{
        width: 100%;
    }

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely<html></html></label>
        <?php if (isset($_SESSION['username'])) : ?>
            <label for="user" class="login_signup"><a
href="index.php?logout='1'">Logout</a></label>
            <label for="user" class="login_signup">Welcome, <?php echo
$_SESSION['username']; ?></label>
        <?php else : ?>
            <label for="user" class="login_signup"
onclick="location.href='login_signup.php'">Log In/Sign Up</label>
        <?php endif ?>
    </div>
    <div class="topnav">
        <label for="user" class="label"
onclick="location.href='buy_entry2.php'">Buy</label>
        <label for="user" class="label"
onclick="location.href='rent_entry.php'">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>
</body>
</html>
```

```
</div>
<div class="dropdown">
  <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
    <center>
      <label>Choose the city:</label>
      <select name="city">
        <option value="">Select...</option>
        <option value="Delhi">Delhi</option>
        <option value="Mumbai">Mumbai</option>
        <option value="Chennai">Chennai</option>
        <option value="Kolkata">Kolkata</option>
        <option value="Bengaluru">Bengaluru</option>
        <option value="Pune">Pune</option>
        <option value="Nagpur">Nagpur</option>
        <option
value="Chandigarh">Chandigarh</option>
        <option value="Noida">Noida</option>
        <option value="Gurgaon">Gurgaon</option>
      </select>
      <button name="submit">Go</button>
    </center>
  </form>
</div>

<center>
  <table id="table" border="1" borderColor="blue">
    <tr>
      <th>ID</th>
      <th>City</th>
      <th>BHK</th>
      <th>Locality</th>
      <th>Name</th>
      <th>Price</th>
    </tr>
    <?php
      $conn = mysqli_connect("localhost", "root", "",
"homely");

      if($conn -> connect_error){
        die("Connection failed:". $conn->connect_error);
      }

      if(isset($_POST['submit'])){
        $city = $_POST['city'];
        // echo "City:$city";
```

ONLINE REAL ESTATE MANAGEMENT

```
$sql = "SELECT id,city,bhk,locality,name,price
FROM to_buy WHERE city='".$city.'" and sold=0;";
$result = $conn->query($sql);

if($result->num_rows > 0){
    while($row = $result->fetch_assoc()){
        ?>
        <tr>
            <td><?php echo
$row["id"]; ?></td>
            <td><?php echo
$row["city"]; ?></td>
            <td><?php echo
$row["bhk"]; ?></td>
            <td><?php echo
$row["locality"]; ?></td>
            <td><?php echo
$row["name"]; ?></td>
            <td><?php echo
$row["price"]/400; ?></td>
        </tr>
    <?php
    }
}
?>
</table>
<form action="checkout.php" method="post">
    <input type="text" name="info" id="info" class="message"><br>
    <label>Property ID:</label>
    <input type="text" name="code" id="code" ><br>
    <input type="submit" name="book"
onclick="location.href'checkout.php'">
</form>
</center>

<script type="text/javascript">
    var table = document.getElementById('table');

    for(var i=1; i < table.rows.length; i++){
        table.rows[i].onclick = function(){
            // document.getElementById('info').value =
this.cells[0].innerHTML;
            id = this.cells[0].innerHTML;
```

ONLINE REAL ESTATE MANAGEMENT

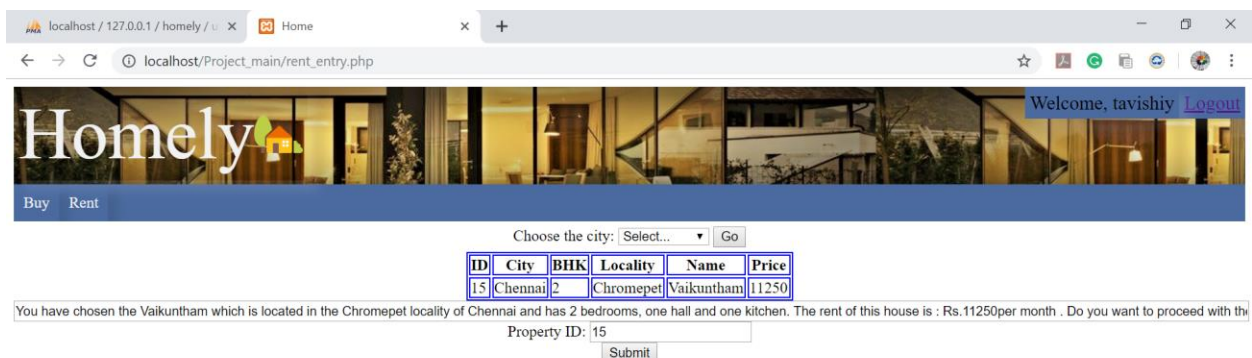
```
document.getElementById('info').value = "You have  
chosen the " + this.cells[4].innerHTML + " which is located in the " + this.cells[3].innerHTML +  
" locality of " + this.cells[1].innerHTML + " and has " + this.cells[2].innerHTML + " bedrooms,  
one hall and one kitchen. The rent of this house is : Rs." + this.cells[5].innerHTML + "per month  
. Do you want to proceed with the transaction?";
```

```
document.getElementById('code').value =  
this.cells[0].innerHTML;  
};  
}
```

```
</script>
```

```
<div class="footer">  
    <label for="user" class="label">SRM HOSTELS, SRMIST,  
KATTANKULATHUR, 603203</label>  
    <label for="user" class="label">For further details, contact: E-mail -  
inquiry@homely.com, Contact no.- 9145678902</label>  
</div>  
</body>  
</html>
```

Screenshot



SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

Code for checkout.php

```
<?php
    session_start();

        if (isset($_GET['logout'])) {
            session_destroy();
            unset($_SESSION['username']);
            header("location: login_signup.php");
        }
?>
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style type="text/css">
        table tr:not(:first-child){
            cursor: pointer; transition: all .25s ease-in-out;
        }

        table tr:not(:first-child):hover{
            background-color: #ddd;
        }

        .header {
            background-image: url(header_img.jpg);
            text-align: center;
            height: 100px;
        }

        .header .label {
            float: left;
            display: block;
            color: #f2f2f2;
            font-size: 75px;
            text-align: center;
            padding: 5px 5px;
            text-decoration: none;
            box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
        }

        .header .label:hover{
            cursor: pointer;
        }

        .header .login_signup {
```

```
float: right;
display: block;
color: #000000;
font-size: 20px;
text-align: center;
padding: 5px 5px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
background: #4b6ba0;
}

.header .login_signup:hover{
    cursor: pointer;
}

.topnav {
    overflow: hidden;
    background-color: #4b6ba0;
}

.topnav .label {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 10px 10px;
    text-decoration: none;
    box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}

.topnav .label:hover {
    background-color: #ddd;
    color: black;
    cursor: pointer;
}

.column {
    float: left;
    height: 400px;
    margin-top: 10px;
}

/* Left and right column */
.column.side {
    width: 25%;
    float: left;
```



```
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}
```

```
/* Middle column */
.column.middle {
width: 49%;
float: left;
display: block;
color: #000000;
text-align: center;
text-decoration: none;
background-color: #4c5666;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
margin-left: 0.5%;
margin-right: 0.5%;
}
```

```
.row:after {
content: "";
display: table;
clear: both;
}
```

```
.column .label {
float: left;
display: block;
color: #000000;
text-align: center;
padding: 10px 10px;
text-decoration: none;
box-shadow: 10px 10px 10px 0 rgba(0,0,0,0.1);
}
```

```
.footer {
margin-top: 10px;
background-color: #4b6ba0;
left: 0;
bottom: 0;
position: fixed;
width: 100%;
height: 40px;
```

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```
padding: 10px;
box-shadow: 10px 10px 10px 0 rgba(255,255,255,0.1);
}

.footer .label {
    float: left;
    display: block;
    color: #000000;
    font-size: 20px;
    text-align: center;
    padding: 5px 5px;
    text-decoration: none;
}

.dropdown{
    padding: 5px;
}

.message{
    width: 100%;
}

</style>
</head>
<body>
    <div class="header">
        <label for="user" class="label"
onclick="location.href='index.php'">Homely<html></html></label>
        <?php if (isset($_SESSION['username'])) : ?>
            <label for="user" class="login_signup"><a
href="index.php?logout='1'">Logout</a></label>
            <label for="user" class="login_signup">Welcome, <?php echo
$_SESSION['username']; ?></label>
        <?php else : ?>
            <label for="user" class="login_signup"
onclick="location.href='login_signup.php'">Log In/Sign Up</label>
        <?php endif ?>
    </div>
    <div class="topnav">
        <label for="user" class="label"
onclick="location.href='buy_entry2.php'">Buy</label>
        <label for="user" class="label"
onclick="location.href='rent_entry.php'">Rent</label>
        <!-- <label for="user" class="label">Sell</label> -->
        <!-- <label for="user" class="label">Lease</label> -->
    </div>
</body>
</html>
```

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```
</div>

<?php
    $conn = mysqli_connect("localhost", "root", "", "homely");
    if($conn -> connect_error){
        die("Connection failed:". $conn->connect_error);
    }

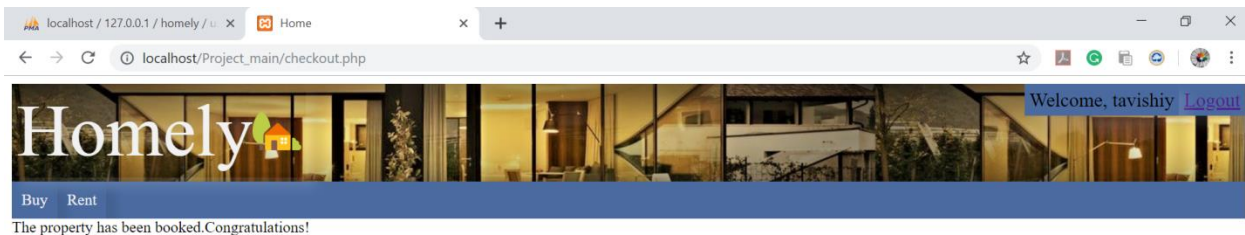
    $code = $_POST['code'];

    $sql = "UPDATE to_buy SET sold=1 WHERE id='".$code."'";
    if($conn->query($sql) === TRUE){
        echo "The property has been booked.Congratulations!";
    }

?>

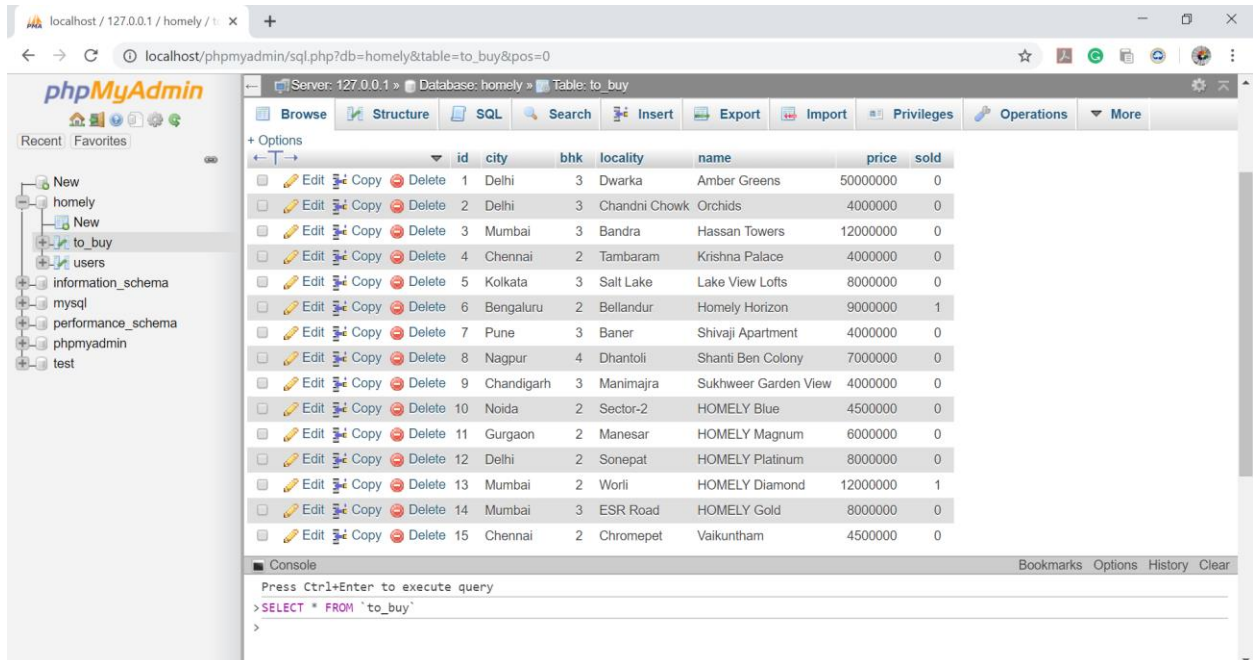
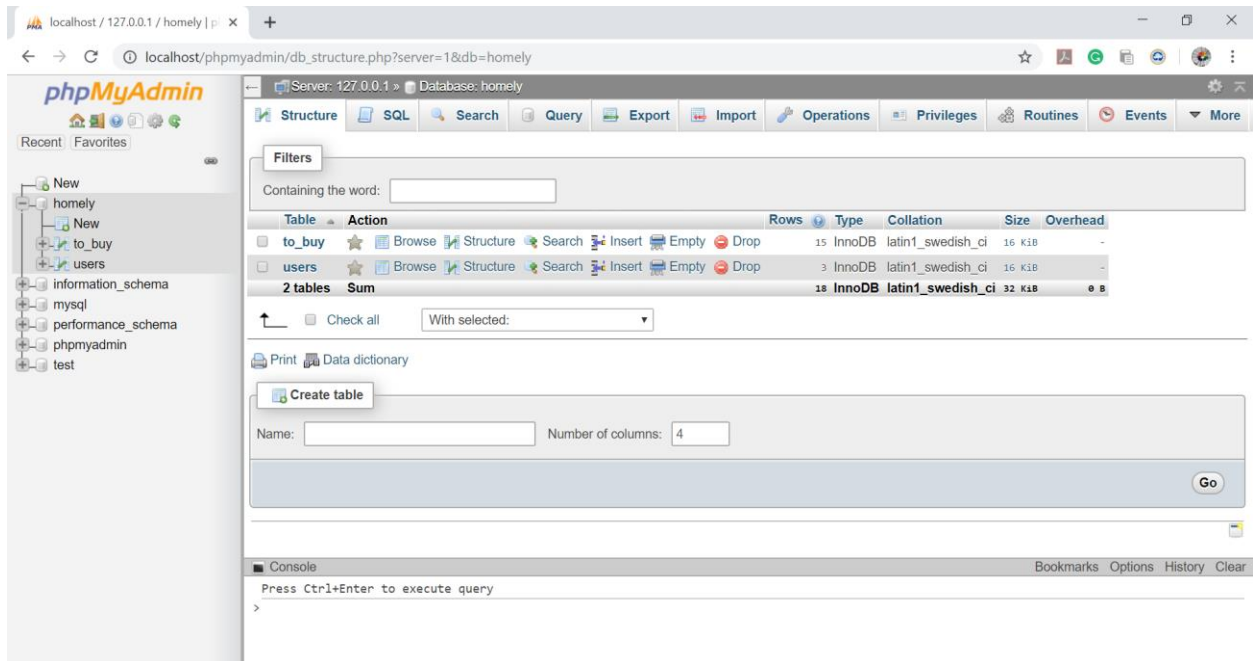
<div class="footer">
    <label for="user" class="label">SRM HOSTELS, SRMIST,
KATTANKULATHUR, 603203</label>
    <label for="user" class="label">For further details, contact: E-mail -
inquiry@homely.com, Contact no.- 9145678902</label>
</div>
</body>
</html>
```

Screenshot

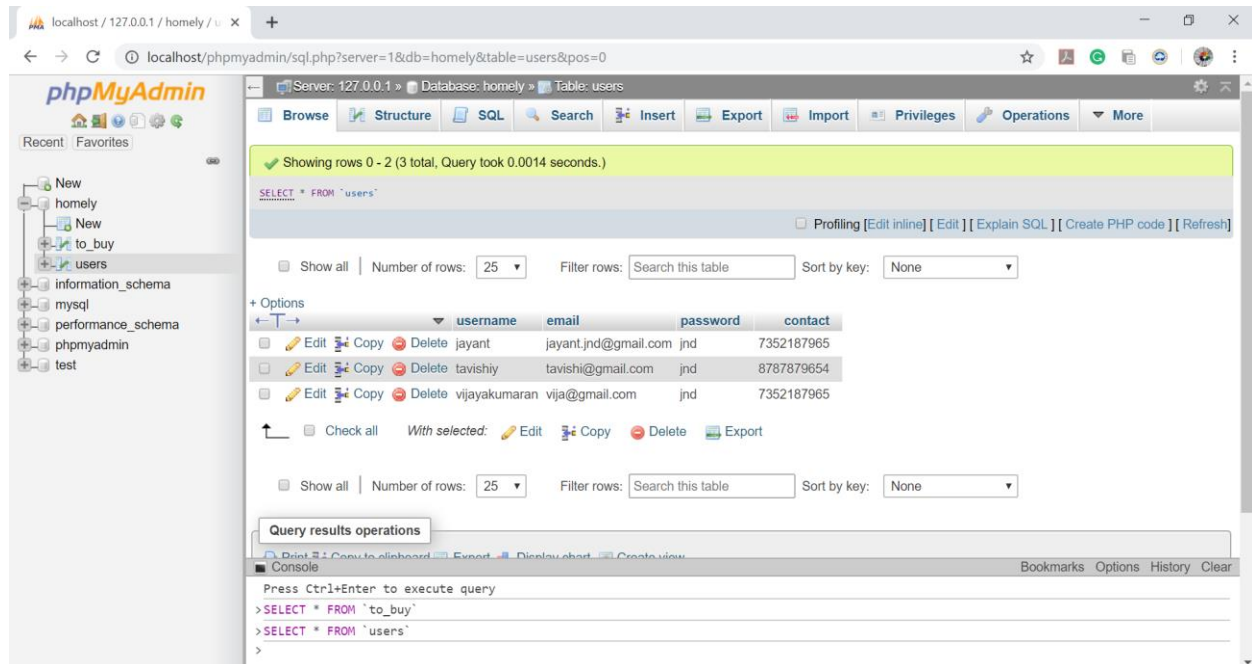


SRM HOSTELS, SRMIST, KATTANKULATHUR, 603203 For further details, contact: E-mail - inquiry@homely.com, Contact no.- 9145678902

Databases Used



ONLINE REAL ESTATE MANAGEMENT



The screenshot displays the phpMyAdmin web interface. The left sidebar shows the database structure with 'homely' selected. The main panel shows the 'users' table with the following data:

username	email	password	contact
jayant	jayant.jnd@gmail.com	jnd	7352187965
tavishiy	tavishi@gmail.com	jnd	8787879654
vijayakumaran	vija@gmail.com	jnd	7352187965

The console at the bottom shows the following SQL queries:

```
> SELECT * FROM `to_buy`  
> SELECT * FROM `users`
```

Conclusion

The Online Real Estate Management System provides instant access of the properties available in the country to the buyers and gives advertisers to advertise their products, i.e., their property(ies) at one platform.

This enhances the productivity of the real estate systems as optimum utilization of resources takes place. An organized system helps in the efficient management of the records and the simplified operations makes it user friendly.

The Online Real Estate Management System takes less processing time as compared to the traditional methods of real estate management and helps in getting required information in less time.