



**CSE370: Database Systems**  
**Project Report**  
**Project Title: BharaHobe**

Group No: 16, Lab Section: 16, Summer 2025		
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## Table of Contents

Section No	Content	Page No
1	Introduction	03
2	Project Features	03
3	ER/EER Diagram	04
4	Schema Diagram	05
5	Frontend Development	06-13
6	Backend Development	14-21
8	Conclusion	22

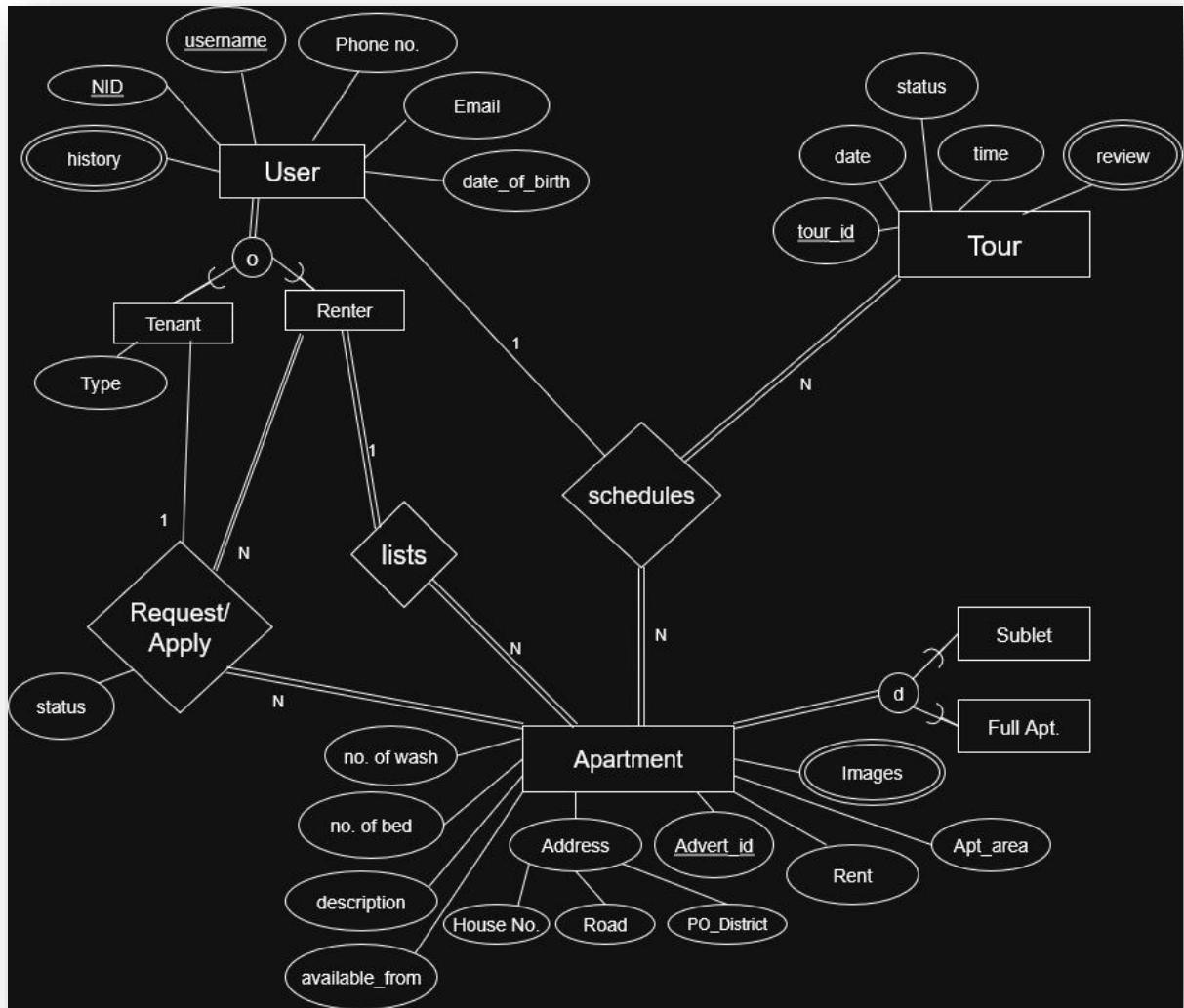
## **Introduction**

BharaHobe is an online platform where people can post apartment rentals and look for their next home smoothly. Our platform ensures user integrity by maintaining transparency and offers multitude of unique features to make the process of looking for rentals hassle-free with a user-friendly interface.

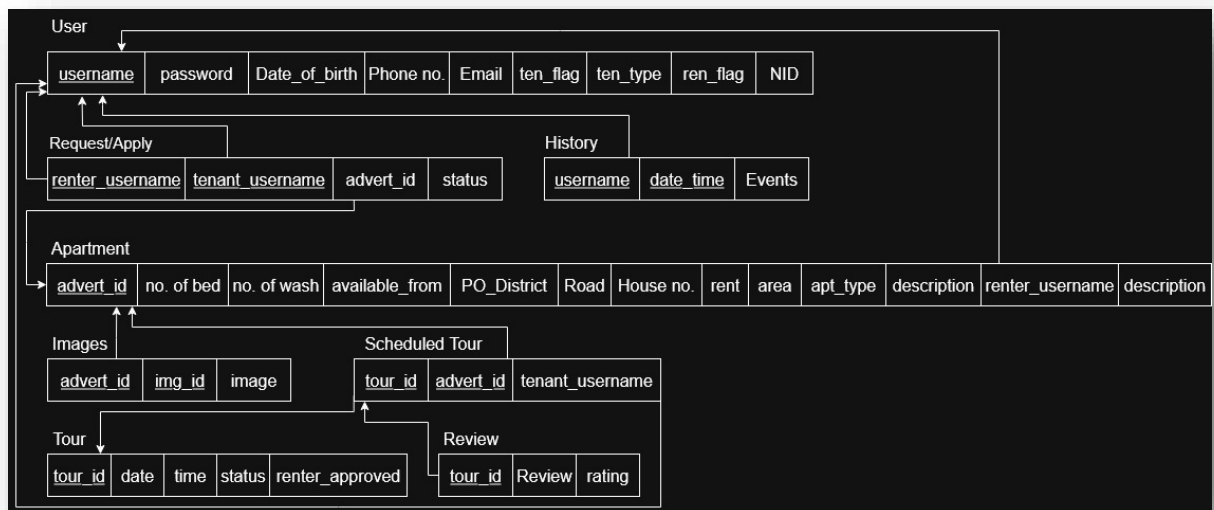
## **Project Features**

1. Home
2. Search
3. User Profile with History and View of Received and Sent Tour, Rental Requests
4. Detailed Apartment Rental Listing
5. Publishing Rental Ad
6. Scheduling Apartment Tour
7. Reviewing and Rating

## ER/EER Diagram

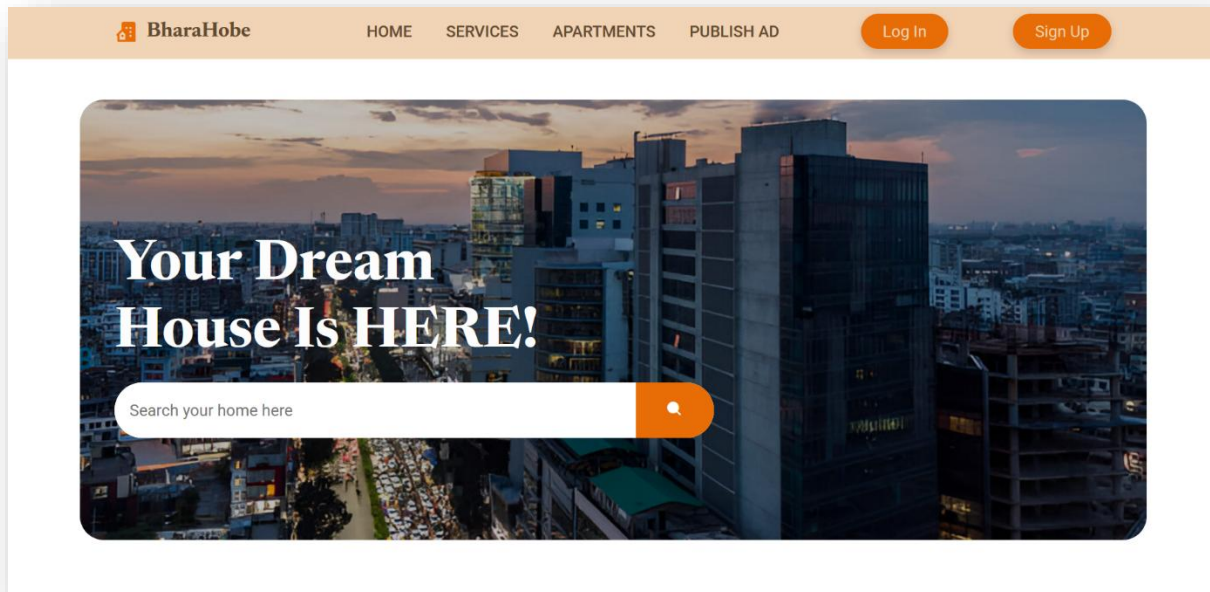


## Schema Diagram

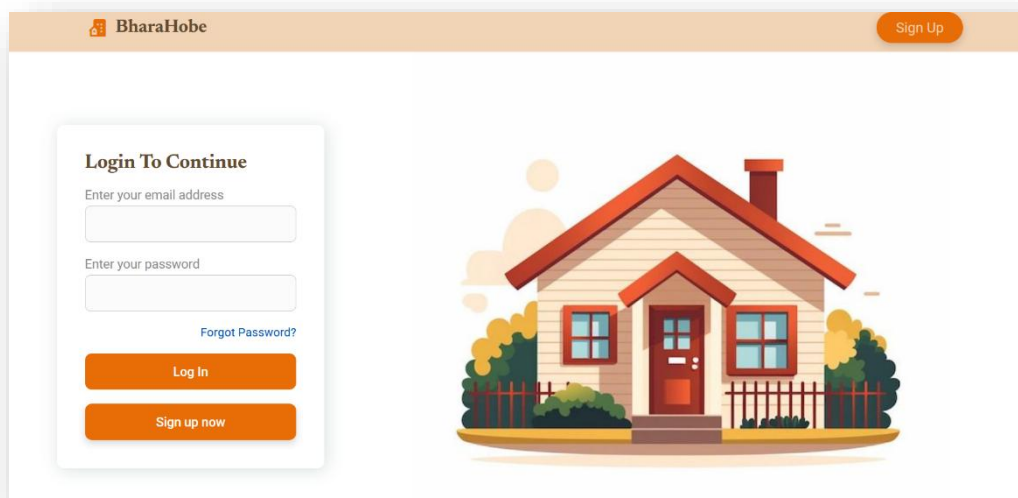


## Frontend Development


Here are the screenshots of our frontend development



### Home (Search Dysfunctional)



### Login


**BharaHobe**

Log in

**Welcome, let's get started**

Already have an account? [Log In](#)

Username

Enter your email address


Date of birth

Phone


NID

Enter your password

Sign Up



## Sign Up


**BharaHobe**

HOME
APARTMENTS
PUBLISH AD
Welcome, ArnobDas!
Logout

**Profile Information**

**Username:** ArnobDas

**Email:** arnobdas@gmail.com

**Date of Birth:** 1986-09-20

**Phone:** 8801922222222

**NID:** 748235328

**Tenant Type:**

Select Tenant Type

Update

**History**

Event	Timestamp
RRDigonto has requested a Tour for Apartment #656394	2025-09-10 15:00:01
Completed tour for Apartment #906250	2025-08-31 22:43:18
Scheduled Tour for Apartment #906250	2025-08-31 22:36:44
Joined BharaHobe	2025-08-25 17:04:30

**Requests You Made**

**Requests Received**

**Rental Requests**

No rental requests received.

**Tour Requests**

RRDigonto requested a Tour for Apartment #656394

Accept
Reject

## Profile View with History and Requests Received

[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Logout](#)

### Profile Information

**Username:** RRDigonto  
**Email:** digonto@gmail.com  
**Date of Birth:** 1998-04-23  
**Phone:** 880137777777  
**NID:** 2327568323  
**Tenant Type:** Bachelor  
[Update](#)

Event	Timestamp		
<b>Requests You Made</b>			
Type	Advert ID / Tour ID	Status	Action
Rental	644905	Accepted	-
Tour	906254	Completed	-
Tour	644905	Completed	-
Tour	246912	Completed	-
Tour	656394	Pending	<a href="#">Complete</a>

### Requests Received

**Rental Requests**  
No rental requests received.

**Tour Requests**  
 ArnobDas requested a Tour for Apartment #906250  
 SanjidaAfrin requested a Tour for Apartment #906250

## Profile View Showing Request You Made

[HOME](#)
[SERVICES](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Profile](#)
[Logout](#)

### Featured Properties

**Apartment #906254**  
 Bedrooms: 3  
 Bathrooms: 2  
 Available: 2025-08-27  
 Rent: 10000 BDT  
 Road: Katherpool

**Apartment #906252**  
 Bedrooms: 3  
 Bathrooms: 2  
 Available: 2025-09-24  
 Rent: 18000 BDT  
 Road: Naya Paltan

## Rental Listing (Search Fully Functional)



[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Profile](#)
[Logout](#)

### Apartment Info

**Advert ID:** 656394  
**Renter Username:** ArnobDas  
**Bedrooms:** 2  
**Bathrooms:** 1  
**Available From:** 2025-09-10  
**District:** Dhanmondi, South Dhaka  
**Road:** Dhanmondi-32 Road  
**House No:** 45  
**Rent:** 12000 BDT  
**Area:** 900  
**Type:** Sublet

Cozy 2-bedroom sublet in Dhanmondi-32 PO, South Dhaka, close to University.

**Reviews**  
 No reviews yet.

[Schedule a Tour](#)
[View Renter's Profile](#)

## Detailed Apartment View

[HOME](#)
[SERVICES](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Profile](#)
[Logout](#)

### Schedule a Tour for Apartment #656394

**Tour Date**

**Tour Time**

Schedule Tour

## Scheduling Tour

BharaHobe

HOME

SERVICES

APARTMENTS

PUBLISH AD

Welcome, RRDigonto!

Profile

Logout

Publish Apartment Advertisement

No. of Bedrooms

No. of Washrooms

Available From

mm / dd / yyyy

Post Office and District

Road

House No.

Rent (BDT)

Area (sqft)

Apartment Type

Sublet

Description

Upload Images

Browse...

No files selected.

Publish Advertisement

## Publish Ad

BharaHobe

HOME

SERVICES

APARTMENTS

PUBLISH AD

Welcome, RRDigonto!

Profile

Logout

Profile Information

Username: ArnobDas

Email: arnobdas@gmail.com

Date of Birth: 1986-09-20

Phone: 8801922222222

NID: 748235328

Tenant Type: Not set

History

Event	Timestamp
Completed tour for Apartment #906250	2025-08-31 22:43:18
Scheduled Tour for Apartment #906250	2025-08-31 22:36:44
Joined BharaHobe	2025-08-25 17:04:30

Listings by ArnobDas

Advert ID: 656394

Type: Sublet

Bedrooms: 2 | Bathrooms: 1

Area: 900 | Rent: 12000 BDT

Available From: 2025-09-10

View Apartment

## Renter's Profile View

10

BharaHobe

[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)

Welcome, ArnobDas!

Logout

### Profile Information

**Username:** ArnobDas  
**Email:** arnobdas@gmail.com  
**Date of Birth:** 1986-09-20  
**Phone:** 8801922222222  
**NID:** 748235328  
**Tenant Type:**  

Select Tenant Type

Update

### History

Event	Timestamp
RRDigonto has requested a Tour for Apartment #656394	2025-09-10 15:00:01
Completed tour for Apartment #906250	2025-08-31 22:43:18
Scheduled Tour for Apartment #906250	2025-08-31 22:36:44
Joined BharaHobe	2025-08-25 17:04:30

### Requests You Made

### Requests Received

**Rental Requests**  
No rental requests received.

**Tour Requests**  
RRDigonto requested a Tour for Apartment #656394

Accept Reject

## Renter Profile after Receiving Tour Request

BharaHobe

[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)

Welcome, RRDigonto!

Logout

### Profile Information

**Username:** RRDigonto  
**Email:** digonto@gmail.com  
**Date of Birth:** 1998-04-23  
**Phone:** 8801377777777  
**NID:** 2327568323  
**Tenant Type:**  

Bachelor

Update

### Requests You Made

Type	Advert ID / Tour ID	Status	Action
Rental	644905	Accepted	-
Tour	906254	Completed	-
Tour	644905	Completed	-
Tour	246912	Completed	-
Tour	656394	Pending	Complete

### Requests Received

**Rental Requests**  
No rental requests received.

**Tour Requests**  
ArnobDas requested a Tour for Apartment #906250  
SanjidaAfrin requested a Tour for Apartment #906250

## Tenant Profile after Tour Request is Accepted

[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Profile](#)
[Logout](#)

### Submit Review for Apartment #656394

Rating (1-5)

3

Review

Rooms aren't very spacious but the security of the building is strong.

Submit Review

## Review Page (Redirected to it after pressing Complete in Requests You made)

[HOME](#)
[APARTMENTS](#)
[PUBLISH AD](#)
Welcome, RRDigonto!
[Profile](#)
[Logout](#)

### Apartment Info

Advert ID: 656394  
Renter Username: ArnobDas  
Bedrooms: 2  
Bathrooms: 1  
Available From: 2025-09-10  
District: Dhanmondi, South Dhaka  
Road: Dhanmondi-32 Road  
House No: 45  
Rent: 12000 BDT  
Area: 900  
Type: Sublet

Cozy 2-bedroom sublet in Dhanmondi-32 PO, South Dhaka, close to University.

Reviews

RRDigonto rated 3/5  
Rooms aren't very spacious but the security of the building is strong.

[Schedule a Tour](#)
[View Renter's Profile](#)
[Request Rental](#)

## Detailed Apartment Page (Offering Rental Request Button Now Since Tour is complete)

Profile Information

Username: ArnobDas

Email: arnobdas@gmail.com

Date of Birth: 1986-09-20

Phone: 8801922222222

NID: 748235328

Tenant Type:

History

Event	Timestamp
RRDigonto has requested a Tour for Apartment #656394	2025-09-10 15:04:23
RRDigonto completed the tour and submitted a review for Apartment #656394	2025-09-10 15:04:17

Requests Received

Rental Requests

RRDigonto for Apartment #656394

Accept

Reject

Tour Requests

RRDigonto requested a Tour for Apartment #656394

## Renter Received Rental Request

**Workflow:** First user has to login to access all the features of the website. If account does not exist, one has to sign up.

User can then check profile with history and requests they made. They can also accept and reject tour and rental requests from their profile. Users can also publish ads for their rental apartment with all the necessary information and images.

In Apartments page, users can search for rentals based on location. Clicking on an ad redirects to a dedicated page for the advertisement with detailed information. This page offers the option for tenants to schedule a tour conveniently. Then the renter gets to accept and reject their request on their profile.

If renter accepts their tour request, tenants get the option to complete the tour, which redirects to the review page. After submitting the review, user now will have the option to request for rental. Renter gets to accept and reject this from their profile page as well.

## Backend Development

### Description

Firstly, we created “dbconnect.php” to create a bridge between the website and the database itself. Then the “index.php” was created to initiate a session, allowing users to log in and sign up through separated pages available at the top.

After logging in, user is redirected to “index.php” in logged in state. Option to view profile (profile.php) and log out (logout.php) becomes available on top. In profile, you can handle tour and receive requests based on whether you’re a renter or not through handle\_tour\_requests.php and handle\_rent\_requests.php. You can also view apartment ads and publish one by clicking Apartments (apartments.php) and Publish Ad (publishad.php) from the header.

From the Apartments page, you can search for any location. Clicking on an ad redirects user to apartment\_details.php and shows info for the ad they clicked, includes images along with tor reviews and shows button to schedule tour (schedule\_tour.php) and view renter’s profile (renter\_profile.php). If user’s tour request is accepted, the Complete button in Requests You Made of their profile redirects to review.php through complete\_tour.php, allowing them to rate and review the apartment based on the tour.

Rental Request button becomes available after completing a tour in apartment\_detail.php.

```
1  <?php
2  $servername="localhost";
3  $username="root"; //mysql -u root -p
4  $password="";
5  $dbname="bharahobe";
6
7  $conn = new mysqli($servername, $username, $password, $dbname);
8
9  if ($conn->connect_error)
10 {
11     die("Connection error: ". $conn->connect_error); //die makes process die
12 }
13 ?>
```

### dbconnect.php

```

<?php
session_start();

$logged_in = isset($_SESSION['email']);
if ($logged_in) {
    $username = $_SESSION['username'];
}
else {
    $username = null;
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0 ">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="css/style.css">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/boxicons@latest/css/boxicons.min.css">
    <title>BharaHobe</title>
</head>
<body>
    <header>
        <div class="nav container">
            <a href="index.php" class="logo"><i class='bx bx-building-house'></i>BharaHobe</a>
            <input type="checkbox" name="" id="menu">
            <label for="menu"><i class='bx bx-menu' id="menu-icon"></i></label>
            <ul class="navbar">
                <?php if ($logged_in): ?>
                <li><a href="index.php">Home</a></li>
                <li><a href="#Services">Services</a></li>

```

## index.php

```

1 <?php
2 session_start();
3 require_once('dbconnect.php');
4
5 if (isset($_POST['email']) && isset($_POST['password'])) {
6     $email = $_POST['email'];
7     $password = $_POST['password'];
8
9     $sql = "SELECT * FROM users WHERE email='$email' AND password='$password'";
10    $result = mysqli_query($conn, $sql);
11
12    if ($result && mysqli_num_rows($result) > 0) {
13        $user = mysqli_fetch_assoc($result);
14
15        $username = $user['username'];
16        if ($username == '' || strtolower($username) == 'root') {
17            $username = 'User';
18        }
19
20        $_SESSION['username'] = $username;
21        $_SESSION['email'] = $user['email'];
22
23        header("Location: index.php");
24        exit;
25    }
26    else {
27        header("Location: loginerror.php");
28        exit;
29    }
30 }
31 ?>

```

## login.php

```

1 k7php
2 require_once('dbconnect.php');
3
4 if (isset($_POST['username']) && isset($_POST['email']) && isset($_POST['password'])) {
5
6     $username = $_POST['username'];
7     $email = $_POST['email'];
8     $dob = $_POST['dob'];
9     $phone = $_POST['phone'];
10    $nid = $_POST['nid'];
11    $password = $_POST['password'];
12
13    $check_sql = "SELECT * FROM users WHERE email = '$email' AND nid = '$nid'";
14    $check_result = mysqli_query($conn, $check_sql);
15
16    if (mysqli_num_rows($check_result) > 0) {
17        header("Location: signuexist.php");
18    }
19    else {
20        $insert_sql = "INSERT INTO users (username, email, date_of_birth, nid, phone_no, password, ten_flag, ten_type, ren_flag)
21            VALUES ('$username', '$email', '$dob', '$nid', '$phone', '$password', 1, NULL, 0)";
22        $result = mysqli_query($conn, $insert_sql);
23
24        if ($result) {
25            mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('$username', 'Joined Bharalobe')");
26            header("Location: signupsuccesslogin.php");
27        }
28        else {
29            header("Location: signupwrong.php");
30        }
31    }
32 }
33

```

## signup.php

```

1 k7php
2 session_start();
3 require_once('dbconnect.php');
4
5 if (isset($_SESSION['email'])) {
6     header("Location: login.php");
7     exit;
8 }
9
10 $email = $_SESSION['email'];
11 $logged_in = true;
12
13 // user info
14 $sql = "SELECT username, email, date_of_birth, Phone_no, nid, ten_type, ren_flag FROM users WHERE email = '$email'";
15 $result = mysqli_query($conn, $sql);
16 if (mysqli_num_rows($result) == 0) {
17     header("Location: logout.php");
18     exit;
19 }
20 $user = mysqli_fetch_assoc($result);
21 $username = $user['username'];
22
23 // update tenant type
24 if (isset($_POST['ten_type'])) {
25     $new_type = mysqli_real_escape_string($conn, $_POST['ten_type']);
26     mysqli_query($conn, "UPDATE users SET ten_type='$new_type' WHERE username='$username'");
27     header("Location: profile.php");
28     exit;
29 }
30
31 // history
32 $history_result = mysqli_query($conn, "SELECT * FROM history WHERE username='$username' ORDER BY date_time DESC");
33
34 // requests made //
35 $rent_requests_made = mysqli_query($conn, "
36     SELECT advert_id, status
37     FROM request_apply
38     WHERE tenant_username='$username'
39 ");
40
41 $tour_requests_made = mysqli_query($conn, "
42     SELECT st.tour_id, st.advert_id, t.status, t.renter_approved
43     FROM scheduled_tour st
44     JOIN tour t ON st.tour_id = t.tour_id
45     WHERE st.tenant_username='$username'
46 ");
47
48 // --- Requests Received (for renters) --- //
49 $renter_requests = ['rental' => null, 'tour' => null];
50
51 if ($user['ren_flag'] == 1) {
52     // rental requests received
53     $renter_requests['rental'] = mysqli_query($conn, "
54         SELECT ra.tenant_username, ra.advert_id, ra.status
55         FROM request_apply ra
56         JOIN apartment a ON ra.advert_id = a.advert_id
57         WHERE a.renter_username = '$username' AND ra.status = 'Pending'
58     ");
59
60     // tour requests received
61     $renter_requests['tour'] = mysqli_query($conn, "
62         SELECT st.tour_id, st.tenant_username, st.advert_id, t.status, t.renter_approved
63         FROM scheduled_tour st
64         JOIN tour t ON st.tour_id = t.tour_id
65         JOIN apartment a ON st.advert_id = a.advert_id
66         WHERE a.renter_username = '$username'
67     ");
68 }

```

```

31 // history
32 $history_result = mysqli_query($conn, "SELECT * FROM history WHERE username='$username' ORDER BY date_time DESC");
33
34 // requests made //
35 $rent_requests_made = mysqli_query($conn, "
36     SELECT advert_id, status
37     FROM request_apply
38     WHERE tenant_username='$username'
39 ");
40
41 $tour_requests_made = mysqli_query($conn, "
42     SELECT st.tour_id, st.advert_id, t.status, t.renter_approved
43     FROM scheduled_tour st
44     JOIN tour t ON st.tour_id = t.tour_id
45     WHERE st.tenant_username='$username'
46 ");
47
48 // --- Requests Received (for renters) --- //
49 $renter_requests = ['rental' => null, 'tour' => null];
50
51 if ($user['ren_flag'] == 1) {
52     // rental requests received
53     $renter_requests['rental'] = mysqli_query($conn, "
54         SELECT ra.tenant_username, ra.advert_id, ra.status
55         FROM request_apply ra
56         JOIN apartment a ON ra.advert_id = a.advert_id
57         WHERE a.renter_username = '$username' AND ra.status = 'Pending'
58     ");
59
60     // tour requests received
61     $renter_requests['tour'] = mysqli_query($conn, "
62         SELECT st.tour_id, st.tenant_username, st.advert_id, t.status, t.renter_approved
63         FROM scheduled_tour st
64         JOIN tour t ON st.tour_id = t.tour_id
65         JOIN apartment a ON st.advert_id = a.advert_id
66         WHERE a.renter_username = '$username'
67     ");
68 }

```

## profile.php



```

1 <?php
2 session_start();
3 require_once('dbconnect.php');
4
5 $logged_in = false;
6 $username = null;
7
8 if (isset($_SESSION['email'])) {
9     $logged_in = true;
10    $username = $_SESSION['username'];
11
12    if ($username == '' || strtolower($username) == 'root') {
13        $username = 'Guest';
14    }
15 }
16
17 $search = '';
18 if (isset($_GET['q']) && !empty($_GET['q'])) {
19     $search = mysqli_real_escape_string($conn, $_GET['q']);
20     $sql = "SELECT advert_id, no_of_bed, no_of_wash, available_from, rent, Road
21           FROM apartment
22           WHERE Road LIKE '%$search%' OR advert_id LIKE '%$search%'
23           ORDER BY advert_id DESC";
24 } else {
25     $sql = "SELECT advert_id, no_of_bed, no_of_wash, available_from, rent, Road
26           FROM apartment
27           ORDER BY advert_id DESC";
28 }
29
30 $result = mysqli_query($conn, $sql);
31
32

```

## apartments.php

```

1 <?php
2 session_start();
3 require_once('dbconnect.php');
4
5 $logged_in = false;
6 $username = null;
7 if (isset($_SESSION['email'])) {
8     $logged_in = true;
9     $username = $_SESSION['username'];
10 }
11
12 if (isset($_GET['id'])) {
13     echo "No apartment selected.";
14     exit;
15 }
16
17 $advert_id = $_GET['id'];
18
19 $sql = "SELECT * FROM apartment WHERE advert_id = '$advert_id'";
20 $result = mysqli_query($conn, $sql);
21
22 if (!$result || mysqli_num_rows($result) == 0) {
23     echo "Apartment not found.";
24     exit;
25 }
26
27 $apartment = mysqli_fetch_assoc($result);
28
29 $img_sql = "SELECT image FROM images WHERE advert_id = '$advert_id' ORDER BY img_id ASC LIMIT 1";
30 $img_result = mysqli_query($conn, $img_sql);
31
32 if ($img_result && mysqli_num_rows($img_result) > 0) {
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64

```

```

33 $img_row = mysqli_fetch_assoc($img_result);
34 $img_data = 'data:image/jpeg;base64,' . base64_encode($img_row['image']);
35 } else {
36     $img_data = 'pl.jpg';
37 }
38
39 $reviews_result = mysqli_query($conn, "
40     SELECT r.review, r.rating, u.username
41     FROM review r
42     JOIN scheduled_tour st ON r.tour_id = st.tour_id
43     JOIN users u ON st.tenant_username = u.username
44     WHERE st.advert_id = '$advert_id'
45     ORDER BY r.tour_id DESC
46 ");
47
48 // check if logged-in user can request rent
49 $can_request_rent = false;
50 if ($logged_in) {
51     $tour_check = mysqli_query($conn, "
52         SELECT t.tour_id
53         FROM scheduled_tour st
54         JOIN tour t ON st.tour_id = t.tour_id
55         WHERE st.advert_id = '$advert_id'
56         AND st.tenant_username = '$username'
57         AND t.status = 'Completed'
58         LIMIT 1
59     ");
60     if (mysqli_num_rows($tour_check) > 0) {
61         $can_request_rent = true;
62     }
63 }
64

```

## apartment\_details.php

```

1  <?php
2  session_start();
3  require_once('dbconnect.php');
4
5  if (!isset($_SESSION['email'])) {
6      header("Location: login.php");
7      exit;
8  }
9
10 $username = $_SESSION['username'];
11 $logged_in = isset($_SESSION['email']);
12
13 if (isset($_POST['rent']) && isset($_POST['Road'])) {
14
15     $no_of_bed      = $_POST['no_of_bed'];
16     $no_of_wash     = $_POST['no_of_wash'];
17     $available_from = $_POST['available from'];
18     $PO_District    = $_POST['PO District'];
19     $Road            = $_POST['Road'];
20     $House_no       = $_POST['House no'];
21     $rent            = $_POST['rent'];
22     $area            = $_POST['area'];
23     $apt_type        = $_POST['apt_type'];
24     $description     = $_POST['description'];
25
26     $insert_sql = "INSERT INTO apartment
27     (renter_username, no_of_bed, no_of_wash, available_from, PO_District, Road, House_no, rent, area, apt_type, description)
28     VALUES ('$username', '$no_of_bed', '$no_of_wash', '$available_from', '$PO_District', '$Road',
29     '$House_no', '$rent', '$area', '$apt_type', '$description')";
30
31     if (mysqli_query($conn, $insert_sql)) {
32         $advert_id = mysqli_insert_id($conn);
33         mysqli_query($conn, "UPDATE users SET ren_flag = 1 WHERE username = '$username'");

```

```

34
35     if (isset($_FILES['images']) && !empty($_FILES['images']['name'][0])) {
36         foreach ($_FILES['images']['tmp_name'] as $tmp_name) {
37             mysqli_query($conn, "INSERT INTO images (advert_id, image) VALUES ('$advert_id', '".addslashes(file_get_contents($tmp_name))."')");
38         }
39     }
40
41     $event_msg = "Listed Apartment #$advert_id for rental";
42     mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('$username', '$event_msg')");
43
44     $success = "Advertisement published successfully!";
45 }
46 else {
47     $error = "Something went wrong. Please try again.";
48 }
49
50

```

## publishad.php

```

1  <?php
2  session_start();
3  require_once('dbconnect.php');
4
5  if (!isset($_SESSION['email'])) {
6      header("Location: login.php");
7      exit;
8  }
9
10 $username = $_SESSION['username'];
11 $logged_in = isset($_SESSION['email']);
12
13 if (isset($_GET['id'])) {
14     echo "No apartment selected.";
15     exit;
16 }
17 $advert_id = $_GET['id'];
18
19 if (isset($_POST['tour_date']) && isset($_POST['tour_time'])) {
20     $tour_date = $_POST['tour_date'];
21     $tour_time = $_POST['tour_time'];
22
23     $insert_tour_sql = "INSERT INTO tour (date, time) VALUES ('$tour_date', '$tour_time')";
24     if (mysqli_query($conn, $insert_tour_sql)) {
25         $tour_id = mysqli_insert_id($conn);
26
27         // Add tenant username to satisfy foreign key
28         mysqli_query($conn, "INSERT INTO scheduled_tour (tour_id, advert_id, tenant_username) VALUES ('$tour_id', '$advert_id', '$username')");
29
30         $user_event = "Scheduled Tour for Apartment #$advert_id";
31         mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('$username', '$user_event')");
32
33         $renter_result = mysqli_query($conn, "SELECT renter_username FROM apartment WHERE advert_id='$advert_id' LIMIT 1");
34         if ($renter_row = mysqli_fetch_assoc($renter_result)) {
35             $renter_username = $renter_row['renter_username'];

```

```

35     $renter_username = $renter_row['renter_username'];
36     $renter_event = "$username has requested a Tour for Apartment #$advert_id";
37     mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('$renter_username', '$renter_event')");
38 }
39
40 $success = "Tour scheduled successfully!";
41
42 } else {
43     $error = "Something went wrong. Please try again.";
44 }
45 }
46 }

```

## schedule\_tour.php

```

1  <?php
2  session_start();
3  require_once('dbconnect.php');
4
5  if (!isset($_SESSION['email'])) {
6      header("Location: login.php");
7      exit;
8  }
9
10 if (!isset($_POST['tour_id'])) {
11     echo "No tour selected.";
12     exit;
13 }
14
15 $tour_id = $_POST['tour_id'];
16
17 // Fetch advert_id to pass to review page
18 $result = mysqli_query($conn, "SELECT advert_id FROM scheduled_tour WHERE tour_id='$tour_id' LIMIT 1");
19 if ($row = mysqli_fetch_assoc($result)) {
20     $advert_id = $row['advert_id'];
21     // Redirect to review page
22     header("Location: review.php?tour_id=$tour_id&advert_id=$advert_id");
23     exit;
24 } else {
25     echo "Tour not found.";
26     exit;
27 }
28 }

```

## Php code for completing tour

```

1  <?php
2  session_start();
3  require_once('dbconnect.php');
4
5  if (!isset($_SESSION['email'])) {
6      header("Location: login.php");
7      exit;
8  }
9
10 $username = $_SESSION['username'];
11
12 if (!isset($_GET['tour_id'], $_GET['advert_id'])) {
13     echo "Invalid request.";
14     exit;
15 }
16
17 $tour_id = $_GET['tour_id'];
18 $advert_id = $_GET['advert_id'];
19
20 if ($_SERVER['REQUEST_METHOD'] === 'POST') {
21     $rating = $_POST['rating'];
22     $comment = mysqli_real_escape_string($conn, $_POST['comment']);
23
24     // Insert review
25     $sql = "INSERT INTO review (tour_id, review, rating) VALUES ('$tour_id', '$comment', '$rating')";
26     mysqli_query($conn, $sql);
27
28     // Mark tour completed
29     mysqli_query($conn, "UPDATE tour SET status='Completed' WHERE tour_id='$tour_id'");
30
31     // Add history entries
32     $tenant_event = "Completed tour and submitted review for Apartment #$advert_id";
33     mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('$username', '$tenant_event')");
34
35     $renter_result = mysqli_query($conn, "SELECT renter_username FROM apartment WHERE advert_id=$advert_id LIMIT 1");

```

```

35 $renter_result = mysqli_query($conn, "SELECT renter_username FROM apartment WHERE advert_id='$advert_id' LIMIT 1");
36 if ($row = mysqli_fetch_assoc($renter_result)) {
37     $renter_event = "$username completed the tour and submitted a review for Apartment #$advert_id";
38     mysqli_query($conn, "INSERT INTO history (username, event) VALUES ('{$row['renter_username']}', '{$renter_event}')");
39 }
40
41 header("Location: profile.php");
42 exit;
43 }
44 }
45 }

```

## review.php

```

1 <?php
2 session_start();
3 require_once('dbconnect.php');
4
5 if (!isset($_SESSION['email'])) {
6     header("Location: login.php");
7     exit;
8 }
9
10 $email = $_SESSION['email'];
11
12 //renter username
13 $sql_user = "SELECT username FROM users WHERE email='$email'";
14 $res_user = mysqli_query($conn, $sql_user);
15 if (mysqli_num_rows($res_user) == 0) exit("User not found.");
16 $renter_username = mysqli_fetch_assoc($res_user)['username'];
17
18 //tour_id is provided
19 if (!isset($_POST['tour_id'])) {
20     exit("No tour selected.");
21 }
22
23 $tour_id = (int) $_POST['tour_id'];
24
25 // inserting history with function
26 function add_history($conn, $username, $event) {
27     $username = mysqli_real_escape_string($conn, $username);
28     $event = mysqli_real_escape_string($conn, $event);
29     mysqli_query($conn, "INSERT INTO history (username, event, date_time) VALUES ('$username', '$event', NOW())");
30 }
31
32 //advert_id and tenant for this tour
33 $res_tour = mysqli_query($conn, "
34     SELECT st.advert_id, st.tenant_username
35     FROM scheduled_tour st
36     WHERE st.tour_id = $tour_id
37 ");
38 if (mysqli_num_rows($res_tour) == 0) exit("Tour not found.");
39 $tour_info = mysqli_fetch_assoc($res_tour);

```

```

37 ";
38 if (mysqli_num_rows($res_tour) == 0) exit("Tour not found.");
39 $tour_info = mysqli_fetch_assoc($res_tour);
40 $advert_id = $tour_info['advert_id'];
41 $tenant_username = $tour_info['tenant_username'];
42
43 // accept
44 if (isset($_POST['accept'])) {
45     $sql = "UPDATE tour SET renter_approved='Accepted' WHERE tour_id=$tour_id";
46     if (mysqli_query($conn, $sql)) {
47         add_history($conn, $renter_username, "Accepted Tour Request for Apartment #$advert_id");
48         header("Location: profile.php");
49         exit;
50     } else {
51         exit("Error updating tour: " . mysqli_error($conn));
52     }
53 }
54
55 //reject
56 if (isset($_POST['reject'])) {
57     // delete from scheduled_tour
58     if (!mysqli_query($conn, "DELETE FROM scheduled_tour WHERE tour_id=$tour_id")) {
59         exit("Error deleting from scheduled_tour: " . mysqli_error($conn));
60     }
61
62     // delete from tour table
63     if (!mysqli_query($conn, "DELETE FROM tour WHERE tour_id=$tour_id")) {
64         exit("Error deleting from tour: " . mysqli_error($conn));
65     }
66
67     add_history($conn, $renter_username, "Rejected Tour Request for Apartment #$advert_id");
68     add_history($conn, $tenant_username, "Your Tour Request for Apartment #$advert_id was Rejected");
69
70     header("Location: profile.php");
71     exit;
72 }
73 }

```

## handle\_tour\_requests.php

```

1  <?php
2  session_start();
3  require_once('dbconnect.php');
4
5  if (!isset($_SESSION['email'])) {
6      header("Location: login.php");
7      exit;
8  }
9
10 $renter_username = $_SESSION['username'];
11
12 if (!isset($_POST['advert_id'], $_POST['tenant_username'])) {
13     echo "Invalid request.";
14     exit;
15 }
16
17 $advert_id = $_POST['advert_id'];
18 $tenant_username = $_POST['tenant_username'];
19
20 $status = '';
21 if (isset($_POST['accept'])) {
22     $status = 'Accepted';
23 } elseif (isset($_POST['reject'])) {
24     $status = 'Rejected';
25 } else {
26     echo "No action specified.";
27     exit;
28 }
29
30 mysqli_query($conn, "
31     UPDATE request_apply
32     SET status='$status'

```

```

33     WHERE advert_id='$advert_id' AND tenant_username='$tenant_username'
34 ");
35
36 $history_renter = "$status rental request for Apartment #$advert_id from $tenant_username";
37 mysqli_query($conn, "
38     INSERT INTO history (username, event) VALUES ('$renter_username', '$history_renter')
39 ");
40
41 $history_tenant = "Your rental request for Apartment #$advert_id was $status";
42 mysqli_query($conn, "
43     INSERT INTO history (username, event) VALUES ('$tenant_username', '$history_tenant')
44 ");
45
46 header("Location: profile.php");
47 exit;
48 ?>

```

## handle\_rent\_requests.php

```

1  <?php
2  session_start();
3  session_unset();
4  session_destroy();
5  header("Location: index.php");
6  exit();
7  ?>
8

```

## logout.php

**Source Code Repository:** [BharaHobe](#)

## **Conclusion**

BharaHobe provides a streamlined experience for those who look for apartment rental and publish an ad with its simple user interface, detailed ad view and convenient tour scheduling. The search feature, mandatory review after tour completion, user profile with comprehensive history, handling requests and seeing own request status makes this platform more lucrative. These unique features are essential to hunt for the next house in a practical and secure manner without any extra hassle that we face in real life.