BANGLADESH ARMY UNIVERSITY OF SCIENCE & TECHNOLOGY (BAUST)

Department of Computer Science and Engineering (CSE)

House Rental Management System

- COURSE CODE : CSE 2206
- COURSE TITLE : Database Management System Sessional
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Introduction

➤ Made for students.

➤ No more hassles.

➤ Suitable accommodations for every students.

Problem Definition

- Limited housing options near educational institutions.

- Houses are not found according to users budget.

- Scams and unreliable listings.

Available Applications

Projects	Features	Problems
1 **Zillow** (https://www.zillow.com/)	Use agencies for better coverage.	Missing Local Listings.
	Missing listing network.	Limited property options.
2 **Trulia** (https://www.trulia.com/)	Maintenance & Update.	Lack of Real-Time Updates.
	Comprehensive pricing.	Lack of accurate pricing.
3 **Rent** (http://www.Rent.com/)	Rent negotiation platform.	Limited Budget Options.
	Enhanced search filter.	No area based search option.

Available Applications

Projects	Features	Problems
4 **Airbnb** (https://www.airbnb.com/)	Detailed description about property.	Not used accurate property images.
	Regular verification & user rating.	Outdated listing.
5 **Craigslist** (https://www.craigslist.com/)	Enhanced data security.	Hassle to fill-up lots of information.

Objectives

- Create an efficient rental system : paperless process, hassle-free experience.

- Efficient property search.

- User friendly interface.

- Secure transactions.

Stakeholders

Owner : want to easily manage their properties.

Tenants : look for user friendly rental experience.

Developers : aim to build a reliable house rental system.

Issues Encountered

- Technical Bugs.

- User Adoption Challenges.

- Data Security Concerns.

Methodology
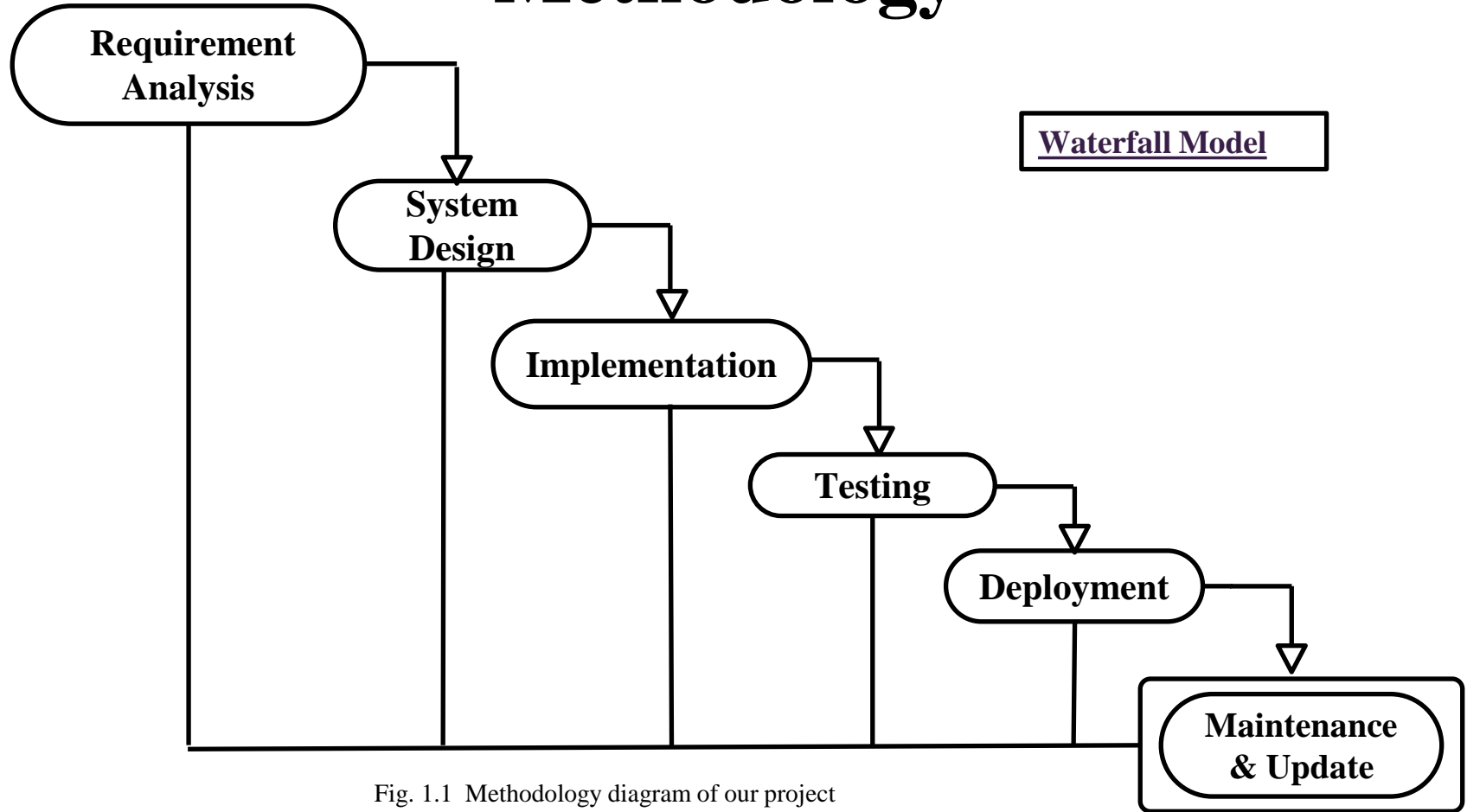
Fig. 1.1 Methodology diagram of our project

System Architecture
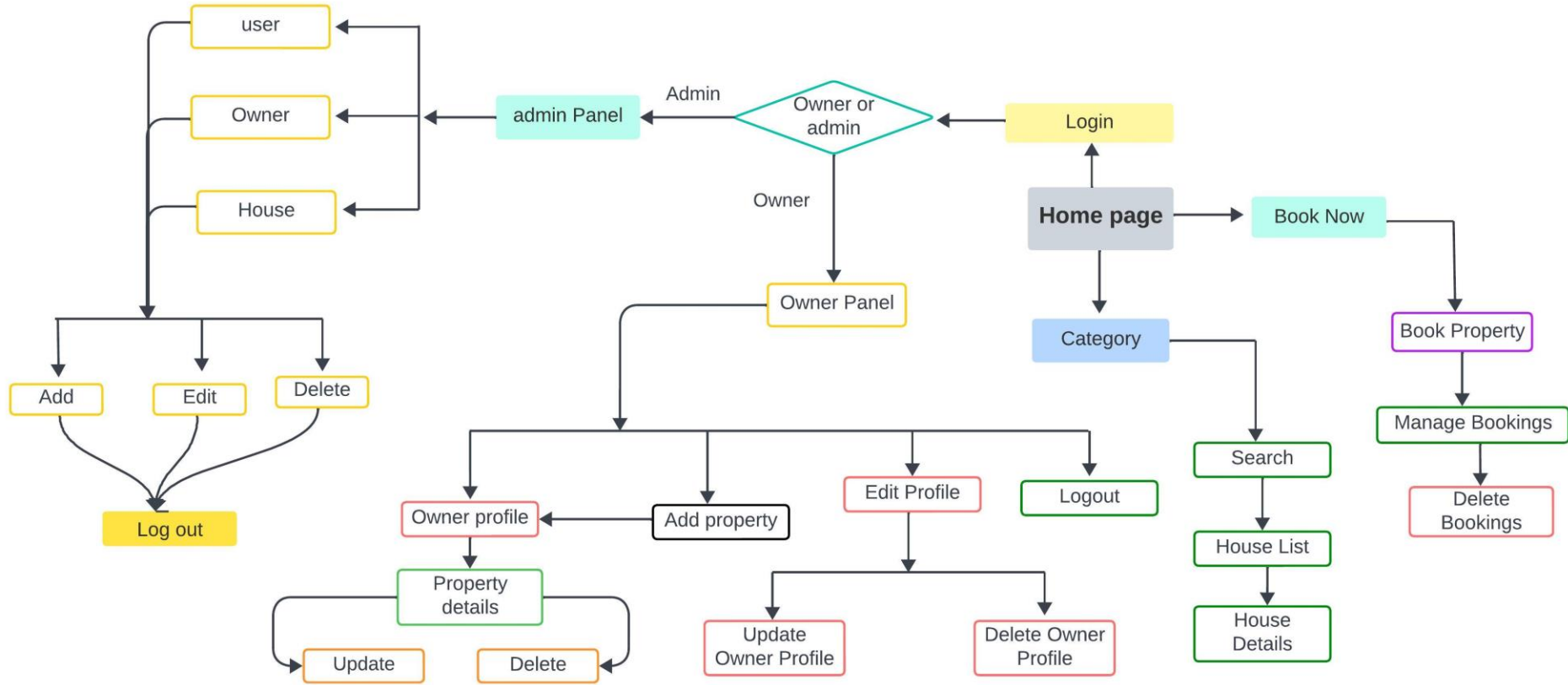
Fig. 1.2 System architecture of our project

Entity Relationship Diagram
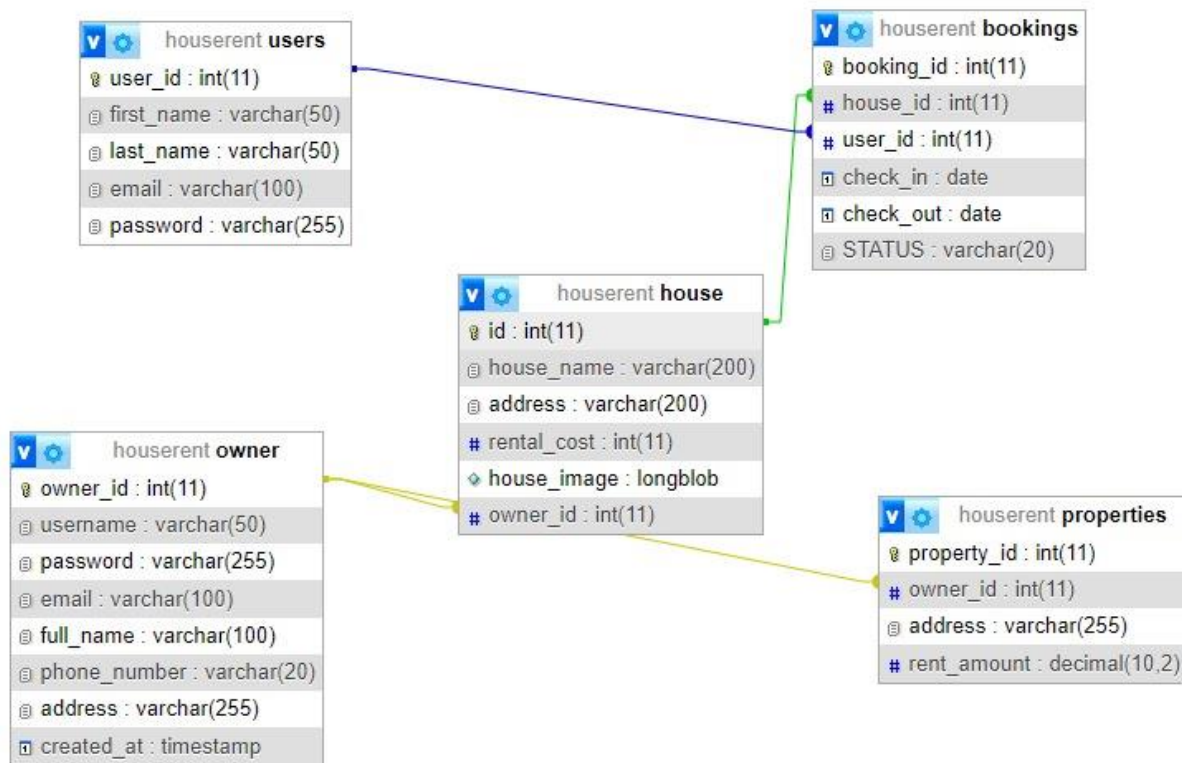
Fig. 1.3 Entity relationship diagram of our project

Tools & Technologies

HTML

CSS

PHP

MySQL

Home Page
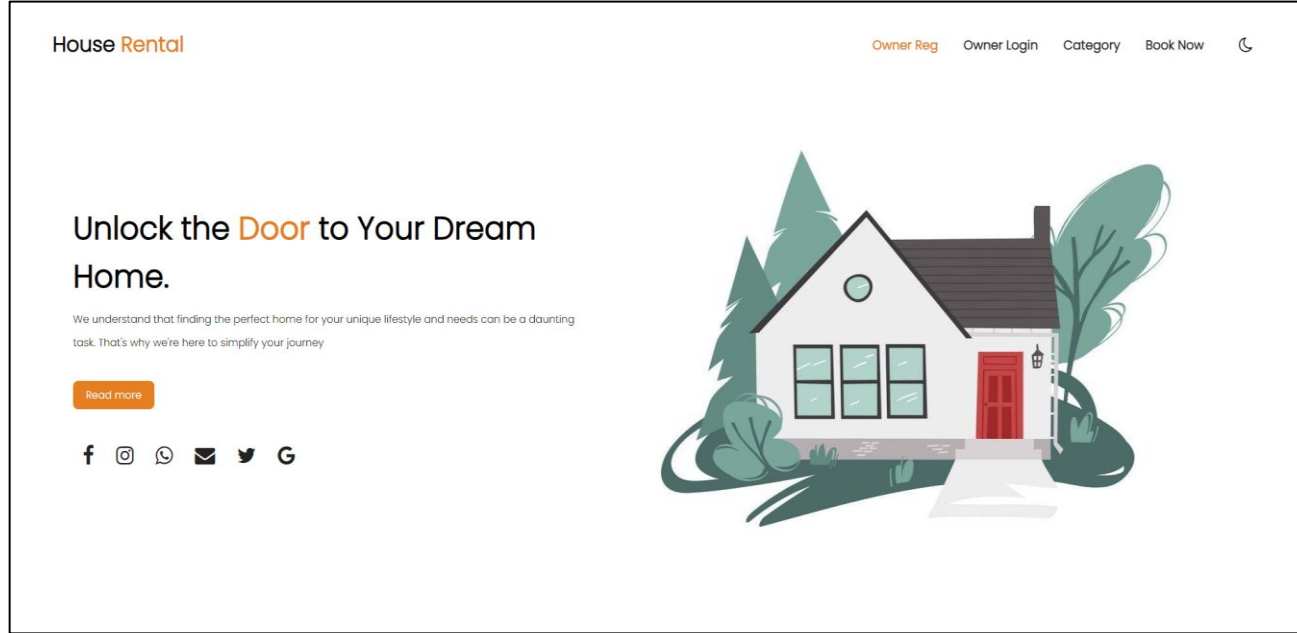
Fig .1.4 Home page

Contents

- ➢ Navigation Bar
- ➢ Owner Registration
- ➢ Owner Login
- ➢ Category
- ➢ Book Now

Owner Registration

Fig .2 Registration page

Owner Registration

➤ Insert full name
➤ Insert username
➤ Insert email
➤ Insert password
➤ Submit

Owner Login

Fig .3 Login page

Owner Login

➢ Insert email
➢ Insert password
➢ Login

Owner Login : Owner panel

OWNER	ADD PROPERTY	Edit Profile	Log Out
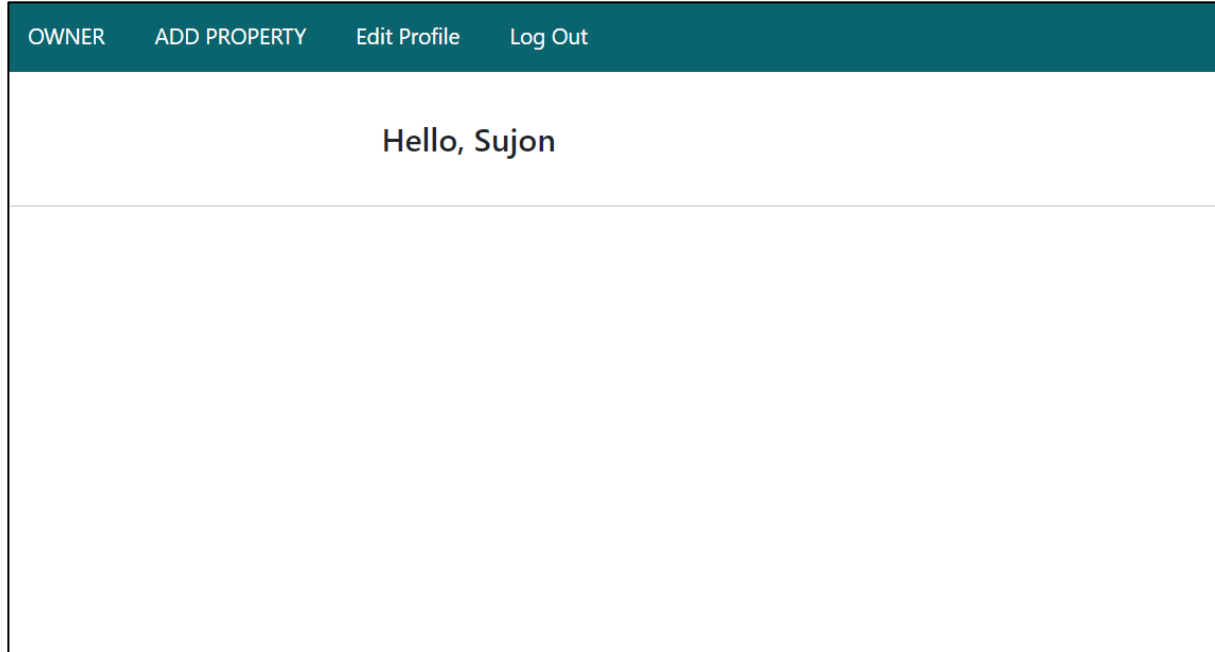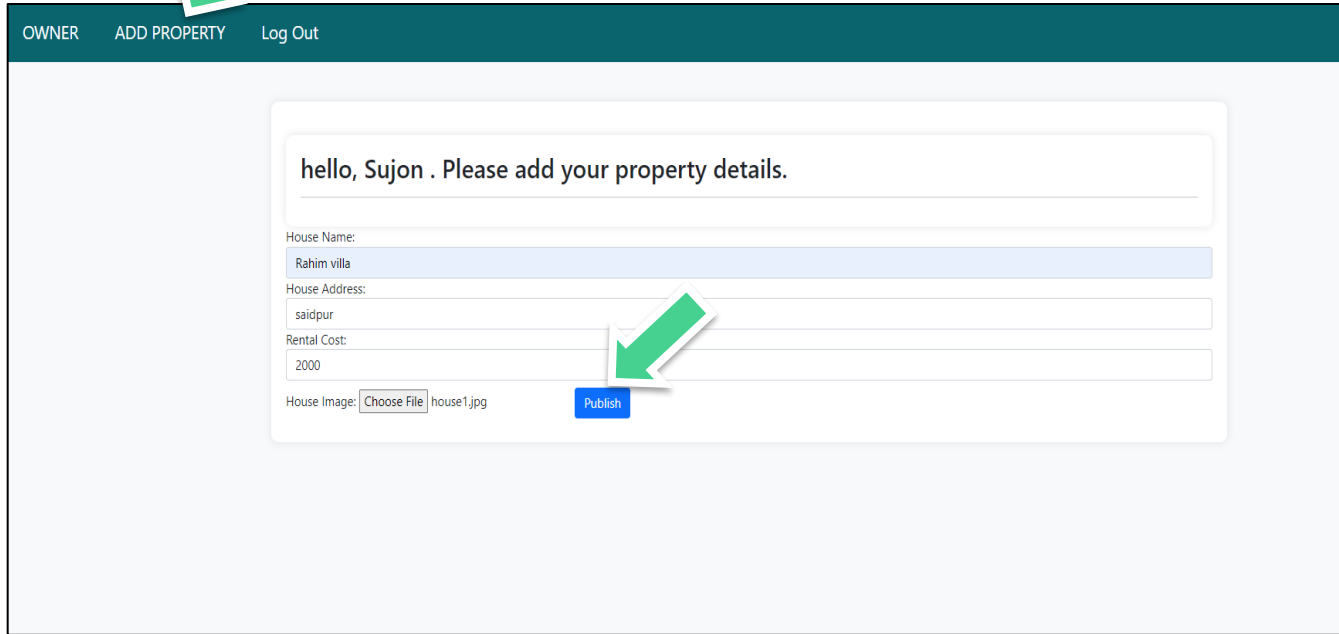
Hello, Sujon

Fig .4 Owner panel

Owner Panel

➢ Add property
➢ Owner profile
➢ Edit profile
➢ Logout

Owner Panel : Add property

Fig .5 Add property

Add property

- ➢ Insert house name
- ➢ Insert house address
- ➢ Insert cost
- ➢ Insert house image
- ➢ Publish

Owner Panel : Owner profile
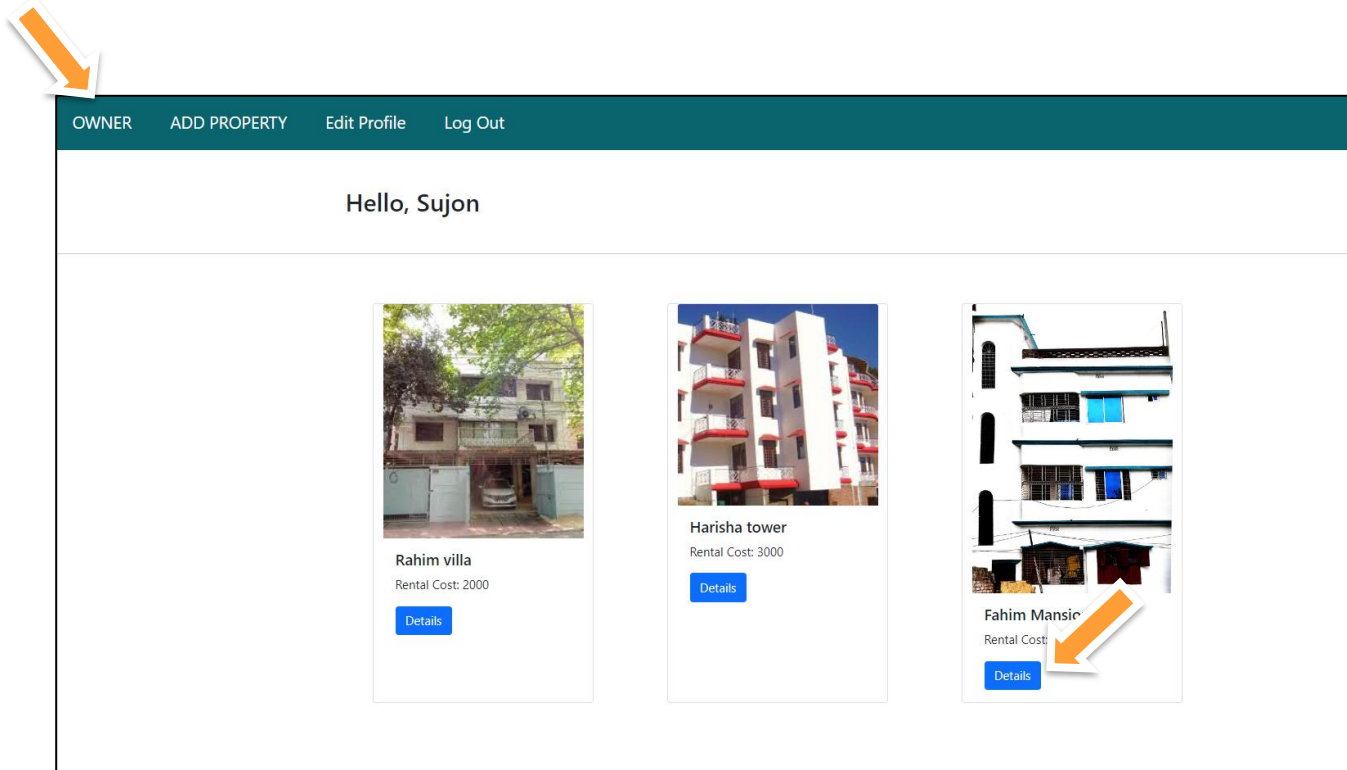
Fig .6 Owner profile

Owner Profile

➢ Owner house list
➢ House details

Owner Profile : Details
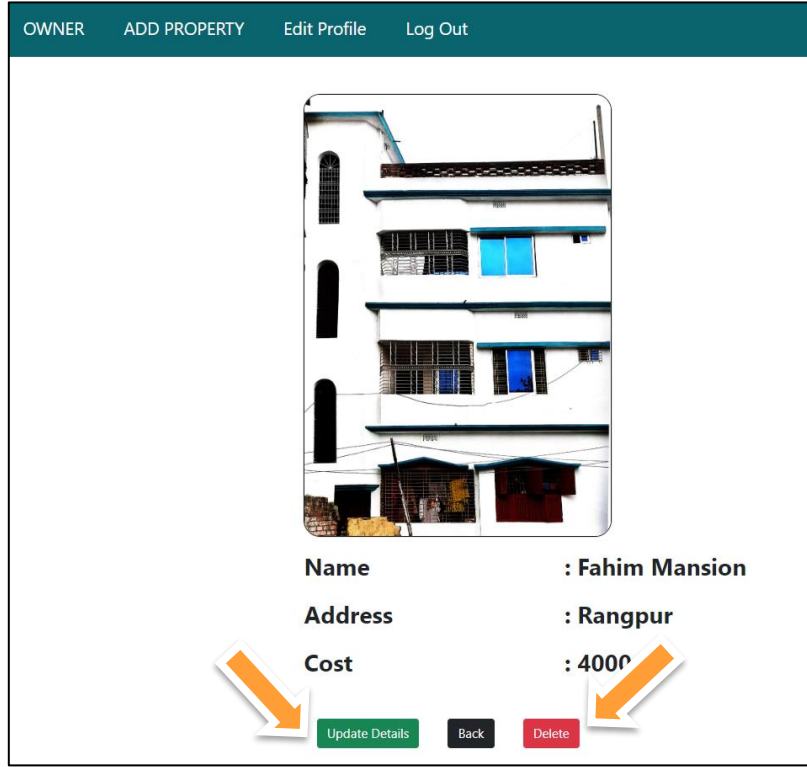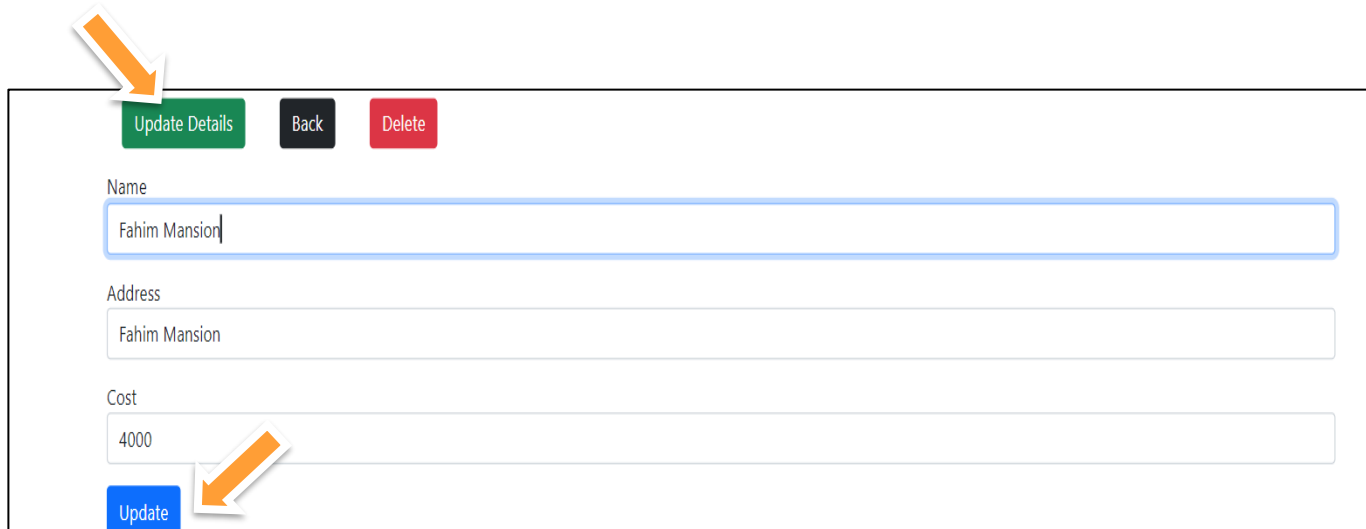
Fig .7 Details

Details

➤ Update details
➤ Delete details
➤ Back

Details : Update details

Fig .8 Update details

Update details

➢ Edit name
➢ Edit address
➢ Edit cost
➢ Update

Details : Delete details

Fig .9 Delete details
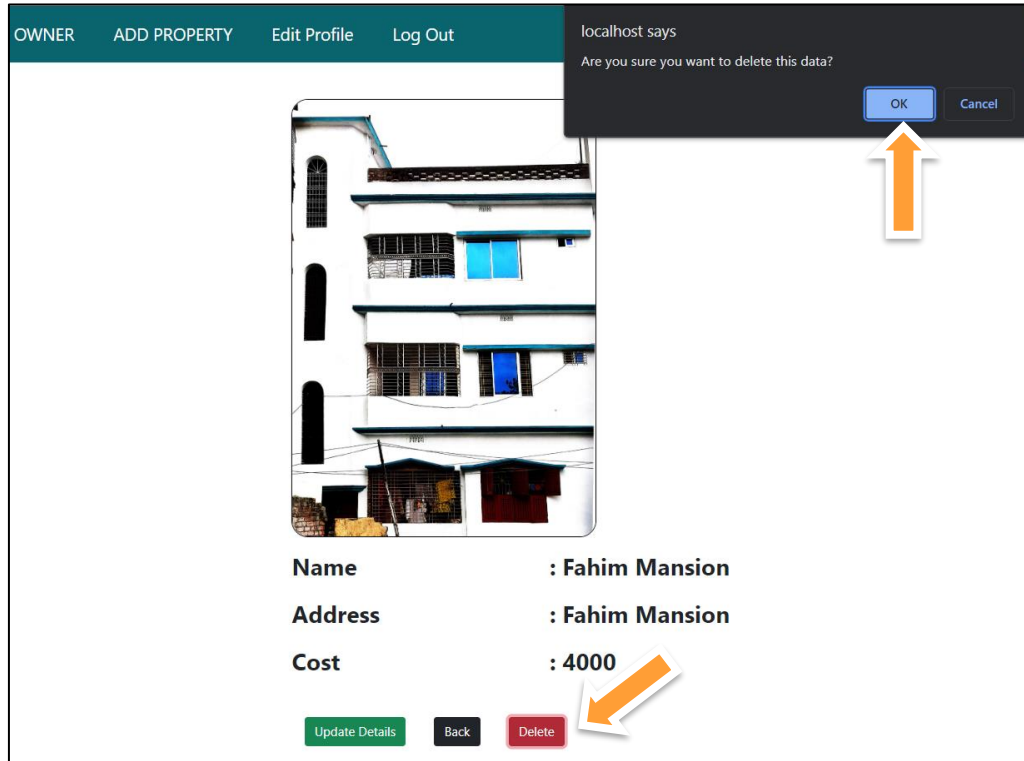
Delete details

➢ Confirm delete
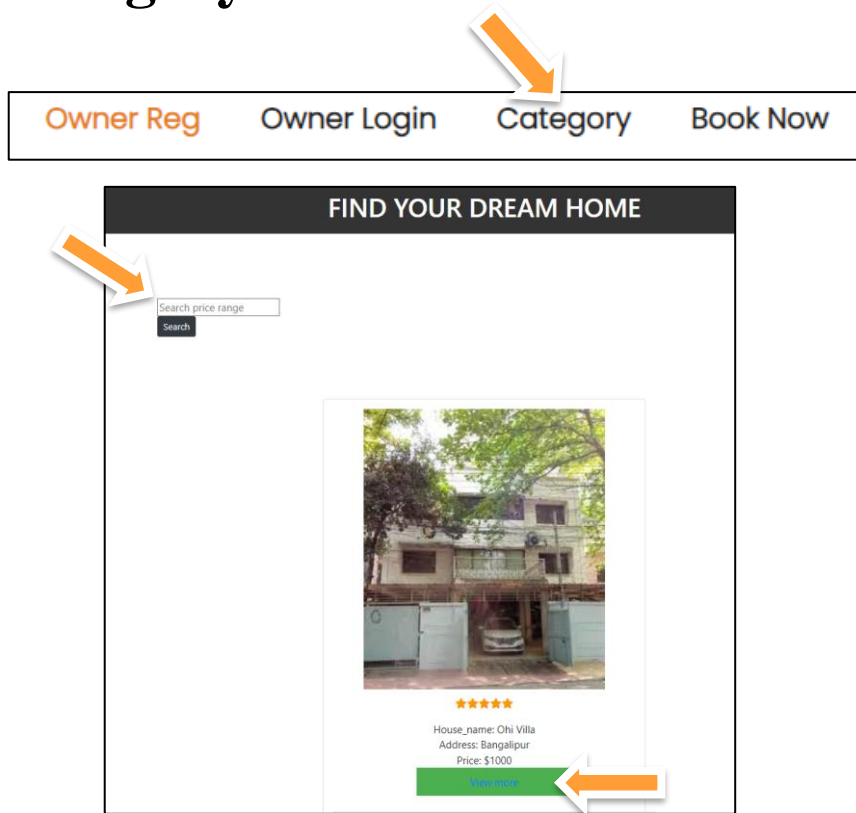
Category

Fig .10 Category page

Category

➢ Search
➢ View more

Category : Search

Fig .11 Search houses

Search

➢ Search price range
➢ House list under price
➢ Show particular house

Book Now

Fig .12 Booking page

Book Now

- ➢ Select property
- ➢ Insert user_id
- ➢ Select check_in date
- ➢ Select check_out date
- ➢ Book now

Book Now : Manage bookings

House ID	User ID	Check-in	Check-out	Status	Action
8	10	2023-10-18	2023-10-12	pending	Delete
7	9	2023-10-11	2023-10-11	pending	Delete
1	9	2023-10-27	2023-10-13	pending	Delete

Fig .13 Manage bookings

Manage bookings
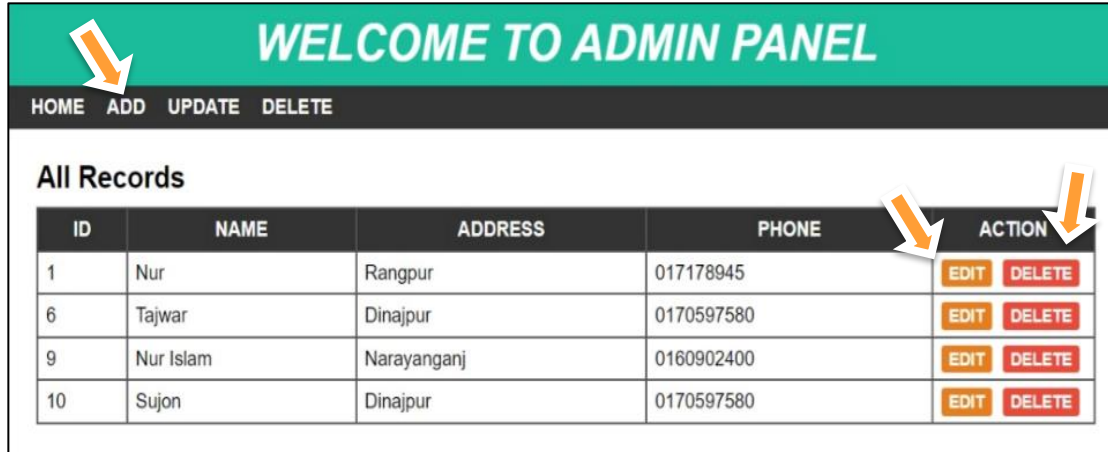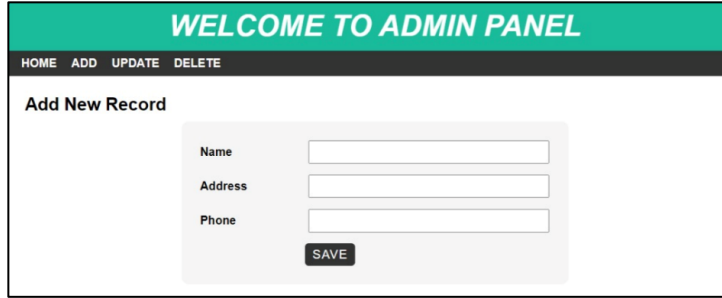
➢ Show bookings
➢ Delete bookings

Admin Panel

Fig .14 Admin panel

Manage bookings

- ➢ Add records
- ➢ Update records
- ➢ Delete records

Admin Panel : Add, update, delete

Add, update, delete

➤ Add user
➤ Update user
➤ Delete user

Fig .15 Operations

Future Works

- We will add payment gateway option.

- We will add user profile.

- We will upgrade our admin panel.

Conclusion

- We tried to implement a user friendly interface for our website .

- Categorized house searching.

Limitations

- Initial learning Curve.

- Continuous feedback loop.

- Customization Constraints.

References

1. https://www.w3schools.com/[1]

2. https://www.mysqltutorial.org/[2]

3. https://www.javatpoint.com/php-tutorial[3]

THANK YOU