

**THE TO-LET WORLD**

**BY**

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of  
Bachelor of Science in Computer Science and Engineering

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**DAFFODIL INTERNATIONAL UNIVERSITY**

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## **APPROVAL**

This Project/internship titled “**The To-Let World**”, submitted by Md. Samam Maruf Hasan, ID No: 191-15-13014 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on *date*.

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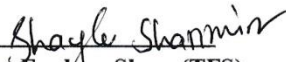


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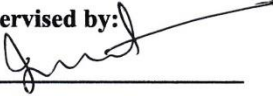
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## DECLARATION

We hereby declare that; this project has been done by us under the supervision of **Nahid Hasan**, **Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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## ABSTRACT

The emergence of inventive web-based rental services has been made possible by the swift increase in urbanization and the rising need for reasonably priced rents of single-man rooms. This description delves into the planning and creation of an all-inclusive web-based system for renting out single-man rooms, with three main players involved: residents, landlords, and administrations. The Administrator is essential to managing the platform as a whole. They have the power to manage the system, get rid of any unnecessary material, fix bugs, and keep it operating. Their duties include making sure the platform in question runs well and is easy to use. Owners of land are given easy-to-use tools to interact with the system, as they are important stakeholders. Using Google Maps integration, they may post their rental homes, register, log in, and confirm the locations of the properties they own. With the help of the system, they can assist prospective tenants as well as handle and modify property details. Listings can be removed after profitable rentals. Conversely, tenants gain from an easy-to-use environment. In order to obtain knowledge about they can register, log in, look at property listings, find properties using Google Maps, and communicate with property owners. They can rent homes, condominiums, or single-man rooms with ease thanks to the system, which also offers quick search and classification features for finding properties. The implementation of this system is predicated on the technological stack of PHP, JavaScript, CSS, and HTML. The front-end structure is provided by HTML and CSS, guaranteeing a visually appealing and intuitive interface. JavaScript improves accessibility and interactivity. PHP takes care of database administration and scripting on the server side, enabling safe user logins, registrations, property advertisements, and data storage. It provides a workable answer to the difficulties in finding and renting single-man apartments in cities by offering a feature-rich, user-friendly, and safe platform. Ease of use, protection, and effective communication are given top priority in the system's conceptualization growth, and development, guaranteeing an enjoyable session for the owners as well as the tenant.

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# Chapter 1

## Introduction

### 1.1 Introduction

The current era is entirely dependent on creativity. The internet has grown in importance as a creative tool. As a result, the public internet is now associated with several innovations. A sizable portion of our daily tasks are completed online. Right today, the cost of a home lease is a crucial factor in our digitally based world. The single-guy apartment leasing program will assist lone wolves in finding comfort wherever a fair cost is involved. Both farmers and residents are necessary for this project. Tenants may view rental offers and communicate with landlords by adding their postings or rooms on the website. Using this method will lessen the pain of returning home and unnecessary time and money will not be wasted. For the explanations mentioned above, renting a dwelling or property will be an easy cycle. People frequently travel from one location to another for work or school in their daily life. In order to live this kind of life, they must be exceedingly content with their guest arrangements. The overwhelming majority of unmarried adults who own homes would prefer not to pay rent. Our primary objective is to simplify and hassle-free their life. Undergraduates move from one field to the next for further education or a job, beginning with the initial one. Their main problem is finding a place to reside. because they are unaware of which home or grade will be closest to their workplace. It consumes a ton of money and time. Males who are not married may become victims of leasing home intimidation. More connected to the internet housing rental websites are accessible anytime, anyplace, allowing single men to learn their language for a monthly fee. Most proprietors prefer not to rent homes to single, unmarried lone hunters because of various risks associated with security. Some homeowners have distinct rules and regulations, which can be challenging for single men to adhere to. For example, numerous solitary individuals genuinely guide or occasional situations for their business, which anticipate that they should get back around night time. Various home loan holders hate this. Afterward, both arrangement with a strange issue that makes the single folks bewildered. As a client, we can't take the bed base as indicated by our solace. On the other hand, we really want to take the help of our occupants to genuinely search for a house rent. Few out of every odd individual is familiar with house rentals as house owners don't broadcast their homes fittingly. Along these lines, when the occupants look around to find a house, they can't portray it properly, which is especially perplexing and a waste of time.

## **1.2 Motivation**

Technologically advanced day, finding a property to rent is undoubtedly difficult. Our goal is to strengthen this project. We have agreed to use the website as the foundation for our project because the vast majority of people in the world use it. Single guys can locate their preferred residence and avoid wasting their important time. There are numerous different websites and functional online tools that may be used to rent a property. In every scenario, they are predicated on a certain allegation. There isn't a program or website that provides customers with free support. We decided to create a platform based on open source that any individual may use after considering these factors. For this reason, we are developing and launching an internet-based app that will simplify life for homeowners and home loan holders. We are dedicated to helping borrowers with mortgages find houses. Utilize Google Searches to find the precise region of the house. In order for the residents to understand the precise area of the home as well as the representation of the house. Therefore, there is no potential for fraud. We are doing our best to carry out this project so that tenants and managing agents can access this site utilizing a software program from anywhere. We will try to strengthen this business endeavor and accomplish it in the not-too-distant future so that money may be donated and accomplished.

## **1.3 Objectives**

Here, we provide many goals related to the online submission of applications for unmarried male room rentals. Which are:

1. This project was developed with the client's preferences in mind.
2. The client finds it to be quite straightforward.
3. Examining the system's requirements
4. At present, it is intended to keep the site's problems in mind.
5. Trying to find a better solution.
6. Giving residence space on Google Guide to prevent stealing by single males.
7. Different computations are used to develop this platform.
8. Save a brief visit in your browser to get to know the application on the web properly.
9. Trying to organize and carry out a reliable task for single men.
10. Attempting to complete the entire project.
11. Before deploying the web application, properly test the entire project.

## 1.4 Expected Outcomes

1. To provide customers with the services they expect.
2. By marketing their properties, proprietors may successfully rent out their properties.
3. Will provide all of the house's nuances as well as the house's location. Everyone will thus wish to understand the terms of the property lease.
4. The circumstance as suggested by the location of the residence on the guide will be displayed by Google. As a result, dishonesty will be eliminated by the renter.
6. Tannest won't be duped into finding the house because they will discover it is like the workplace.
8. Owners of homes and occupants shall no longer be harassed.

## 1.5 Project Management and Finance:

Any undertaking, whether it's a building project, commercial initiative, or something else entirely, needs supervision of projects and finance. To guarantee that project objectives are fulfilled on schedule and within budget, good management finances, as well as effective administration of projects, go in close proximity hand. The following are some crucial details about each:

### **Project Administration:**

**Project Scope:** Clearly state the goals, outputs, and scope of the project. Ensure that the goals of the project are understood by all parties involved.

**Project Plan:** Create a thorough project plan with duties, deadlines, accounts for, and dependencies. Depending on the type of project, choose an Agile, Waterfall methodology.

**Resource Management:** Resource administration involves the effective allocation and management of resources, such as personnel, tools, and supplies. Optimize the utilization of resources by taking resource restrictions into account.

**Risk management:** It involves identifying possible hazards and creating a plan to mitigate them. Track and reduce risks at every stage of the project's lifespan to avoid unforeseen problems.

**Budgeting:** Make a thorough project budget that accounts for all expenses, such as overhead, labor, supplies, and machinery. Keep an eye on and manage project expenses at all times.

**Quality Assurance:** To guarantee project outputs fulfill the necessary quality requirements, put quality control procedures into place. Make routine audits along with quality testing.

**Communication:** Create a communication strategy to update stakeholders on the status, problems, and modifications of the project. It takes strong collaboration to make a project successful.

**Management of Stakeholders:** Determine and interact with all parties involved in the project. To get their backing and support, respond to their hopes and worries.

**Change management:** Be ready for modifications to the project's goals, specifications, or scope. Establish a change administration procedure to assess and carry out modifications efficiently.

**Tracking and Reporting:** Keep tabs on key indicators of performance, budget variances, and deadlines for the project by periodically monitoring the status of your project and producing reports on it.

### **Financial:**

**Budget Development:** Make a thorough budget that accounts for all project costs and sources of income. Make sure the project's aims and objectives are in line with the spending plan.

**Cost Estimation:** Create accurate projections of costs for every part of the project. Take into account the costs that are both direct and indirect, as well as backup plans for unforeseen expenses.

**financial Sources:** Locate and acquire financial sources, which could be from investor funds, international financial assistance, grants, or internal budgets. Assure you the project has a solid financial basis.

**Financial Analysis:** To determine the project's viability financially, do financial assessments such as the net present worth, payback on investment (ROI), and cost-benefit assessment.

**Cash Flow Management:** Throughout the course of the endeavor, keep your cash flow favorable in order to pay freelancers, cover costs, and handle unforeseen financial difficulties.

**Financial Control:** Put in place accounting procedures to make sure project costs stay within allocated funds. Examine accounting records on a regular basis and make necessary corrections.

**Financial Reporting:** To ensure reliability and openness for everybody involved in the project, particularly financiers and regulatory bodies, prepare statements and reports on finances.

Tax and Regulatory Compliance: Make certain that the project conforms with all applicable tax laws and rules, including those pertaining to the payment of taxes as well as reporting obligations.

Risk mitigation: It is the process of identifying financial risks and creating plans to lessen them. This could entail setting up financial safeguards or taking out insurance against changes in the market or currency.

## **1.6 Report Layout**

Subsequently chapters will go into depth covering the following subjects:

### Chapter 1: Introduction

In Chapter 1, we tried to define the development's dawn, relief, pretensions, and projected finish. The complete thought is finally expressed via the paper layout.

### Chapter 2: Background

This chapter explores the user's nonfictional landscape. Additionally, we identify and specify the development's connected duties and limits. Additionally, the difficulties are addressed as well.

### Chapter 3: Requirements specification

The functional conditions will be the whole topic of this section. simulation of firm activities, assessment of accomplished criteria, and modeling and description of systems use cases. same, a logical information model and specialized specifications are available.

### Chapter 4: Design Requirements

The development's design will be explored in this part. These requirements encompass anterior-end, back- end, information architecture, user Experience (UX), and specifications.

### Chapter 5: Implementation and testing

This is the moment at which the design is complete in its totality. Mark down any generalities you have about other business.

### Chapter 6: Impact on society, environment, and sustainability

Then genuinely bandy afloat this design societal acceptances, effectiveness, and sustainability plan

### Chapter 7: finally, Conclusion and future work.

## **Chapter 2**

### **Background**

#### **2.1 Terminologies**

Since there is a lack of information on property rental in creative thinking, we are currently more dependent on innovation. This method is frequently used by criminals to defraud residents and property owners. When unmarried guys leave their homes and go to new locations, they want a comfortable place to stay. In any event, they ultimately fail to find it. They occasionally need to find efficiency by purchasing rent extra outside of their own workplaces because the house renting isn't always as convenient as their needs imply. They waste a ton of time and money as a result. However, homeowners who have mortgages fear falling victim to a similar scam. Again, despite the lack of genuine the homeowners are unable to leave their residences. The occupier could not, at any time during the lease, be in the dark regarding the property. We are making an effort to complete the disconnected male apartment lease venture taking these viewpoints into consideration. The important points are listed below. The marketing of the dwelling for the satisfaction of the residents will include all of the structure's intricacies. Additionally, the area of the residential property will be mentioned. As a result, the residents will be aware of the home's intricacies. According to their needs and preferences, they might consider it a home. In our duty, we make an effort to retain the aforementioned data. Through performing this, the resident and the rental property administrator may carry out their respective tasks in accordance with their needs. We have faith that this training will help us achieve the desired results. Additionally, our business may become very well known.

#### **2.2 Related Works**

We have discovered a large number of websites and applications for mobile devices that charge fees online. You do not need to pay to enroll in our assignment because it is a freely available course. We make an effort to complete our assignments more quickly than the other projects at Entomb. Wolf packs that are alone find it very difficult to locate a home to live in, first in one area and then in another. It is also challenging for property owners to get residents by physically advertising the place. We design our project while keeping in mind each workplace. Landowners



and would-be wandering beasts alike will find this strategy greatly helpful. They may set aside their time and money, to do their task without issue. The websites we discovered online for renting homes are listed below.



Figure 2.1: The To-Le

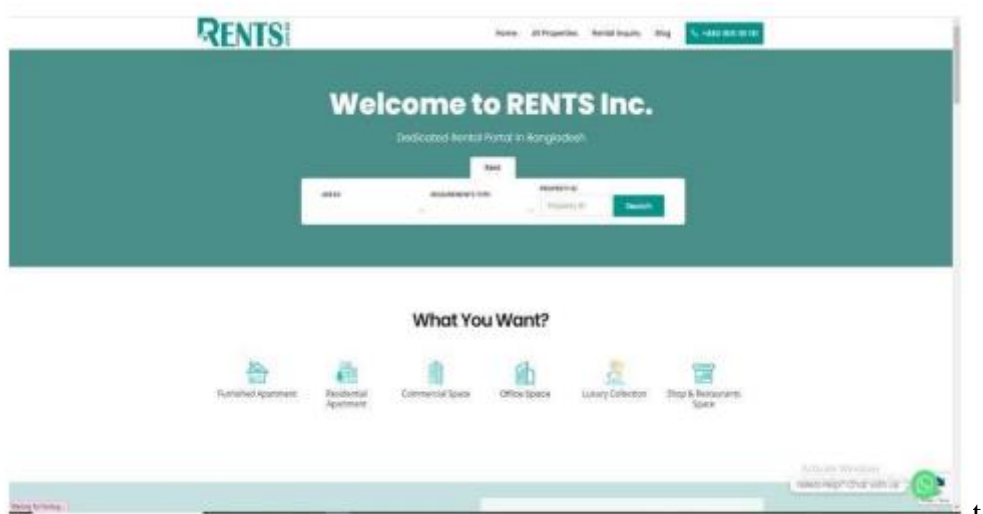


Figure 2.2: Rent house



Figure 2.3: B property

## **2.3 Comparative Analysis**

We had already viewed images of our project as it relates to a few other endeavors. This is due to the fact that it is a very well-known enterprise. In any case, we prioritize the needs, preferences, costs, and security of our clients when doing our business. Residents with mortgages and residents may use our technology with little to no hesitation or worry because it is a freely downloadable product. Property owners can be found by Google Guides if they advertise their residences in the neighborhood. Each advertisement to locate a home in accordance with a tenant's or homeowner's preferences and needs will be visible to both tenants and homes. They won't have any trouble deciding where to build their dream home. If necessary, they can get in touch with the home's owners by means of this website's discussion box. They also have the option of renting the home. For this vast array of projects, they are not required to make any payment. We'll try to tackle this problem from there.

## **2.4 Scope of the Problems**

1. In this project, the person in charge has the ability to delete any unnecessary data.
2. The assignment will be administered in its entirety by the admin.
3. The site's administrator will recognize any modifications.
4. Employers and tenants can create their own records and log in using their email addresses and secret word.
5. On a case-by-case basis, the administrator can also log in to this site. In light of everything, you should input your email's unique key.
6. The property manager may add all of the home's finer details, such as a snapshot of the house or a room. It will also cover rent for a dwelling.
7. The building's administrator can later update and delete his advertisement if necessary.
8. A map displayed by Google will show the house's location.
9. Tenants can browse this website and subscribe anytime it's convenient from wherever.
10. Using this site, people will locate their home based on their preferences and accommodations.
11. By entering the address in Google Guides, occupants may certainly find the home.
12. Because I explained every little nuance of the house, they would already be familiar with it.

13. Visitors may use this site efficiently.

14. The option of transferring the voter's Eid identity and the portrait is available here, taking security into consideration.

## **2.5 Challenges**

1. The manager of the property will receive a separate notice from the court if he has to advertise more than one bedroom in a home

2. The administrator will store all of the assignment's data.

3. Each person can view the advertisements for home leases individually.

4. Cannot be canceled after a house has been reserved

5. No specialized insights exist

## **Chapter 3**

### **Requirement Specification**

#### **3.1 Business Cycle Displaying**

One of the most significant steps in comprehending, evaluating, and enhancing the procedures utilized in your project is the simulation of business processes. To see and record how various tasks and operations are carried out, you can develop business procedure simulations, as in the case of the previously discussed accessible online single-man room renting system.

##### **Administrator:**

1. Control the whole structure
2. Remove any unnecessary items from wherever
3. If you've made a mistake somewhere, correct it, make everything useful again, and regulate the sound.

##### **Owner:**

1. Sign up to utilize the service to market your rental home.
2. log in
3. Include home specifics
4. Verifying whether or not Google Maps accurately displays the house's position.
5. Modify and amend any information that is incorrect about his home or bedroom.
6. The marketing material for the property should be removed when the manual or rental fee has been determined.
7. Who in their right mind will assist undergraduates if they want to approach hiring managers?

**Tenant:**

1. Create an account to access the internet site's rental home listings
2. Log in
3. Learning about a home's requirements
4. Using Google Maps to find the house's address
5. By speaking about it with the landowner, you can gain access to whatever you want about the house.
6. Renting a house, apartment, or apartment.
7. Users can rent category-wise rent
8. category wise property can also search

**3.2 Requirements Gathering and Analysis**

The assessment of needs aims to determine the client's requirements, Under certain circumstances, and assurance. Short-term idea use is the first phase. The next connection is to electrical innovation. as you started to progressively understand how to use computing. At that moment, many different as well as and associations started using them. From that point on, information regarding the place was gradually acquired. Currently, this website is often used. On the site, everyone engages in numerous activities. Many people sell goods. At the moment, the site offers finished products for industries, food, and other items. Furthermore, it should be feasible to lease or buy a residence online. Our business is called Lone the Ranger Lodging Lease Service. Through objects and places

of employment, we start addressing this work. On the following page, we preserve a list of houses and rooms.

**3.3 Use Case Modeling and Description**

A case study of usage illustrates how the consumer will interact with the platform. It is a list of tasks that the customer has completed. In our project, we used three models. The administrator, Landowner, and Renter are them.

Below that, we display the line graph of every individual, which is

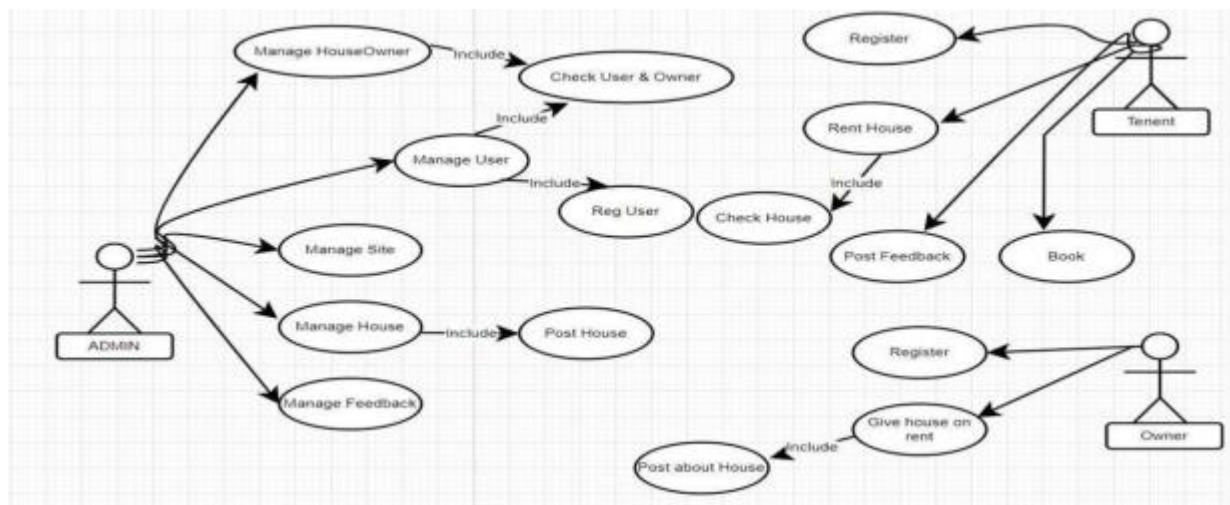


Figure 3.1: Case Modeling Use

As we can see from the representation, this use case demarcation includes three performers. They are the person using it, the home's owner, and the board's chairman. The primary entertainment in this scenario would come from the customer. All actions are carried out in accordance with the client's wishes. There is also a management area where you may manage the users and every activity of the program. Now that we have a closer look at the consumer as an entertainer, we understand that he has the ability to log in, search, truly look at recent ads, leave opposition, and, if an investment is adequate, contract it. Customers can therefore perform this procedure in accordance with the use case diagram. We can see whether the account's administrator is currently in charge of all client activities if we look at the administrator zone. To get further into this, we must delve into all of the use cases in the following table configurations.

### 3.4 Design Requirement

To move this project toward its goal of improving an internet application's comprehension and dependability, two or three strategies are crucial. One of these is for the leading end, while the other is for the reverse end. Before beginning our front-end make plans, we should first sketch out the possible programs of action. Then, at that point, we should recognize the appropriate parts and lines in order to produce code that is error-free. To complete the game's development plan, the front-end code must then combine Bootstrap, bootstrapping js, and some jQuery. The project should then be structured in accordance with the requirements for record-keeping, and the code should be completed. We will soon need to understand knowledge base organization and community educational options in order to build the backbone of the system. It's also crucial to understand how the tables in the database relate to one another and to take ordinary unluckiness

into account. To avoid this, standardization of some type is essential. Next, look for any documented changes to the source information. As a result, the backbone of the game plan's requirements has been met. That was a requirement of the endeavor's design.

### 3.5 System Requirement

Both the software and hardware elements required for the web-based single-man bedroom renting system to operate properly are included in the system specifications. The system needs, at the very least, a system that uses relational databases (like MySQL), a web server that supports PHP, and the ability to maintain and serve HTML, CSS, and JavaScript internet pages. To safeguard user data, it also requires safe user login and authentication procedures. The system should also work with contemporary browsers for the internet, guaranteeing compatibility with a range of gadgets and screen sizes, and be scalable and able to manage potentially large user loads without compromising dynamic browsing experiences. To guarantee the system's dependability and data truthfulness, regular security upgrades and upkeep together with data restoration and backup protocols, are vital.

### 3.6 Entity-Relationship Diagram

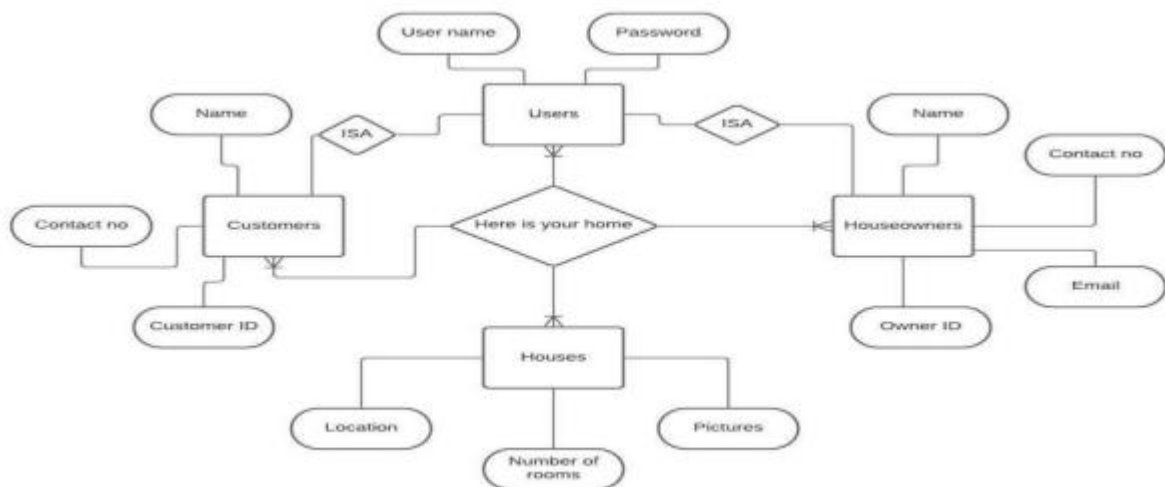


Figure 3.6: E-R Relationship Diagram

## **Chapter 4**

### **Design Specifications**

#### **4.1 Front-End Design**

Content is converted into a visual point of engagement through front-end settings. It helps the customer establish a strong connection with the platform. Here, we've planned the structure using HTML, CSS, JavaScript, and Bootstrap. There's additionally an exploration option, and we can also use the submit button and login option to sign up and log in. The client may efficiently search locations in their chosen neighborhood while making their pick.

#### **4.2 Back-End Design**

The back-end arrangement is a technological advancement that receives the customer's inquiry and maintains the justification to deliver the client an answer. The platform that hosts the program that runs on it, and the information it holds set are its three standards. It also includes the material set, which has permission to handle and diligently keep this data. An assortment of languages, including SQL, PHP, Java, Python, Ruby, and JavaScript, were employed to create the database portion of the strategy. Furthermore, the back-end setup may be thought of as the foundation of a website; if it doesn't function properly, everything else will collapse.

#### **4.3 Interaction Design**

Here is our interaction design. It consists of three different features About us , and contact us.

Starting with the homepage section it is mainly our Dashboard



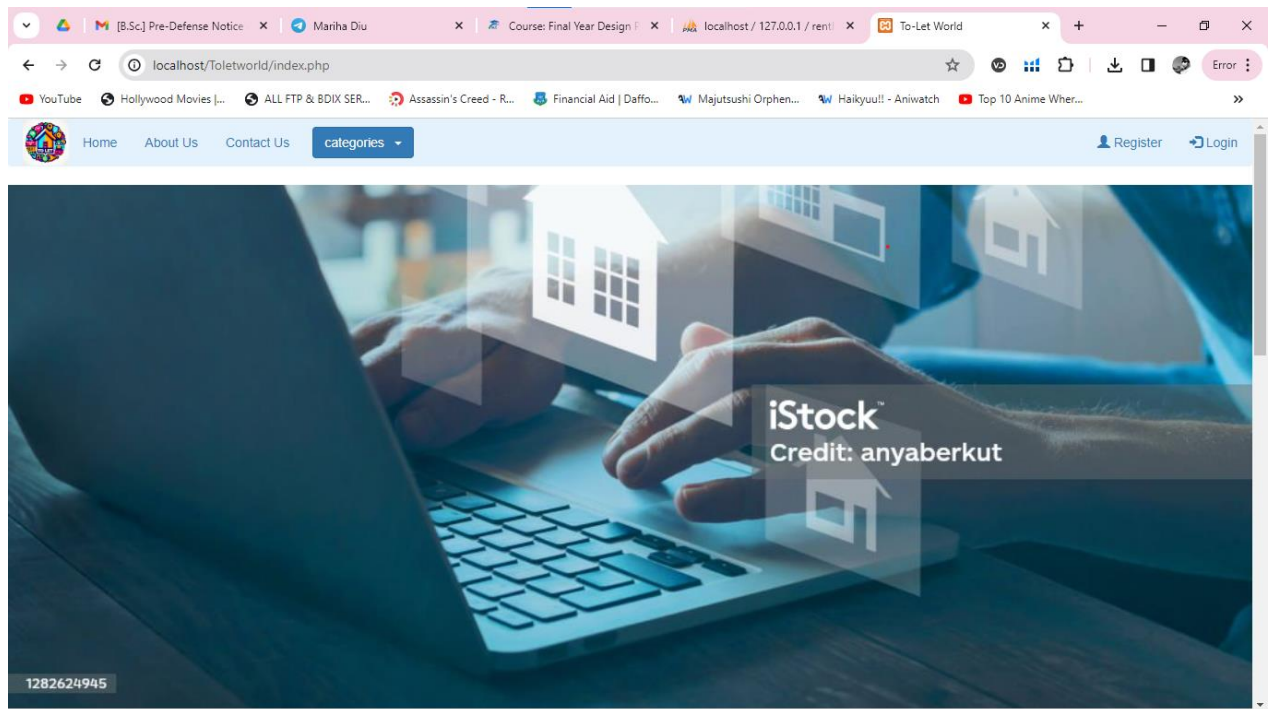


Figure 4.1: Home Page.

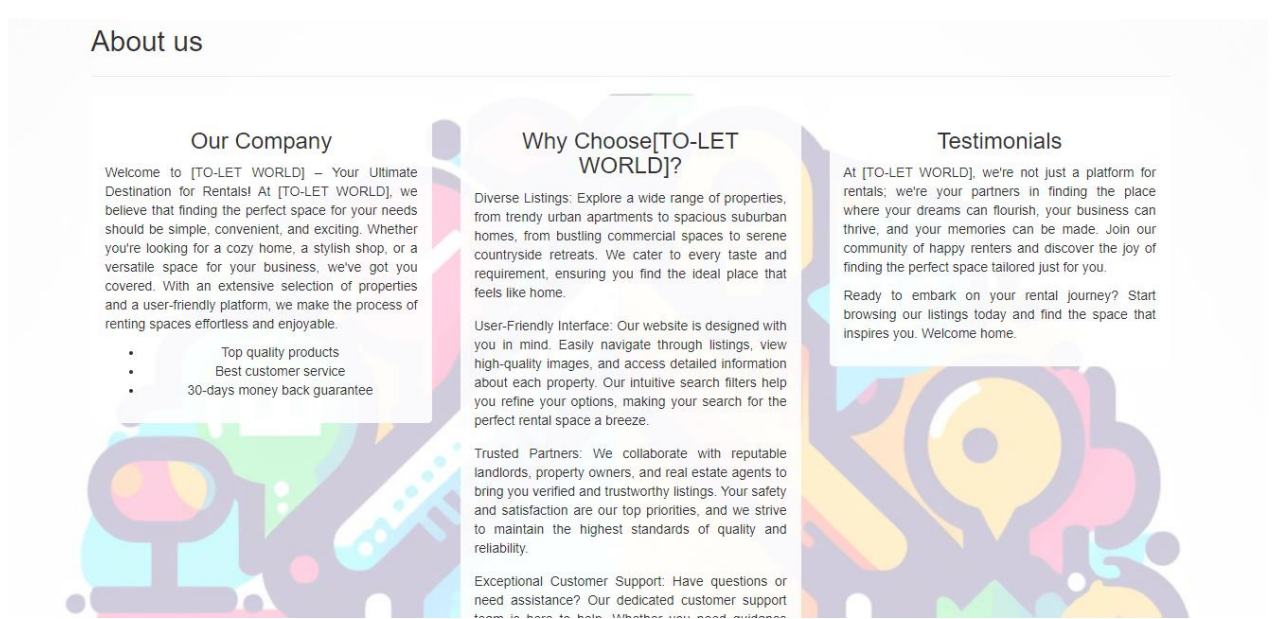


Figure 4.2: About Us

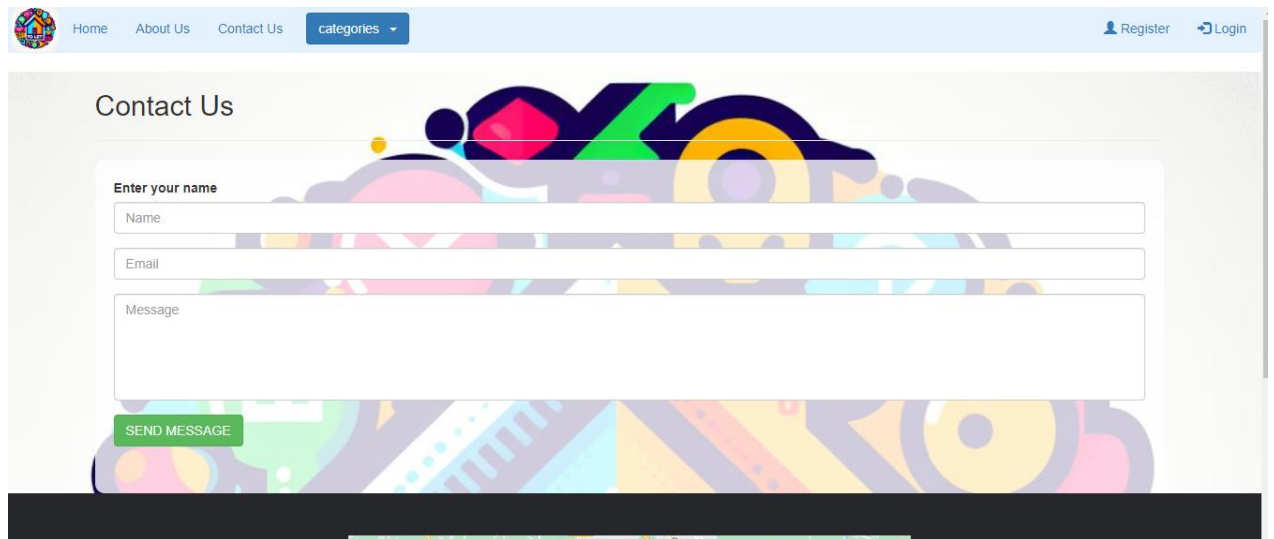


Figure 4.3: Contact Us

## 4.4 Admin

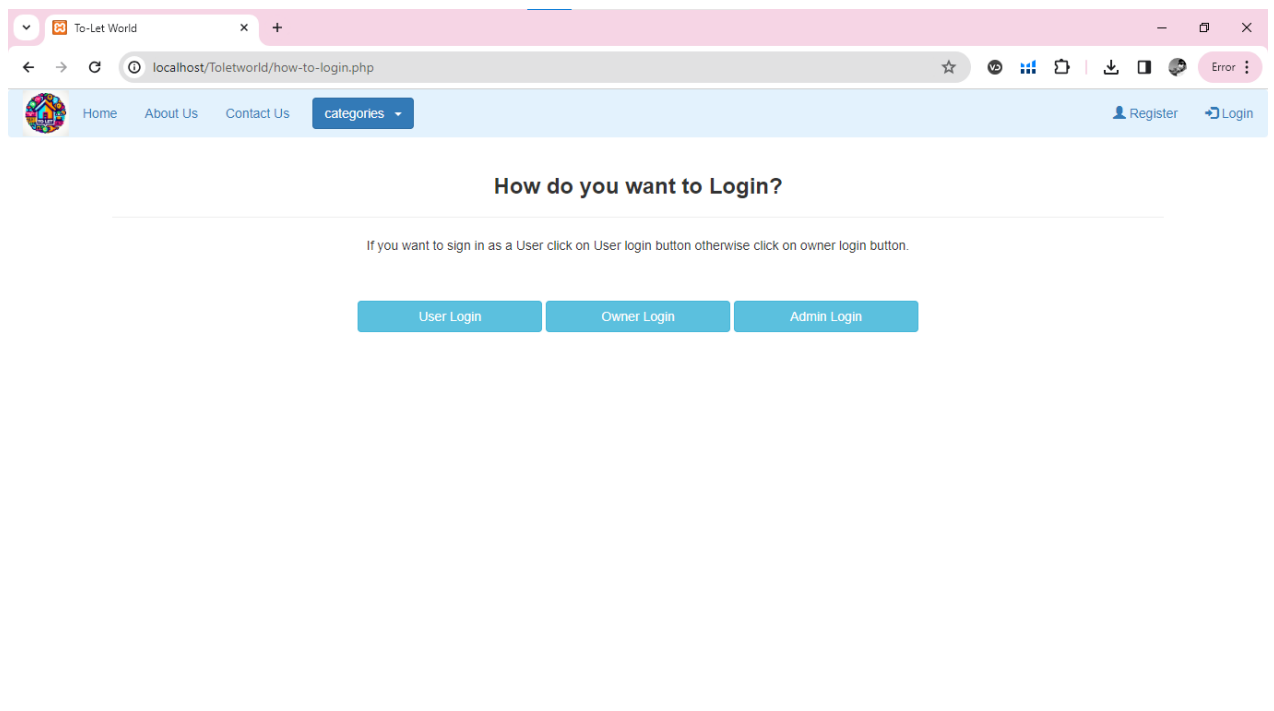


Figure 4.4: Login

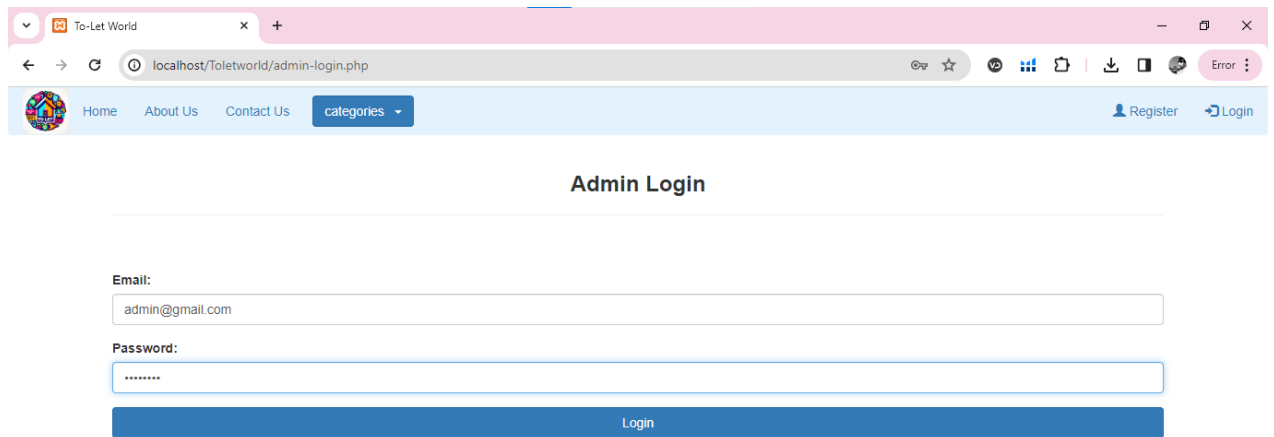


Figure 4.5: Admin Login

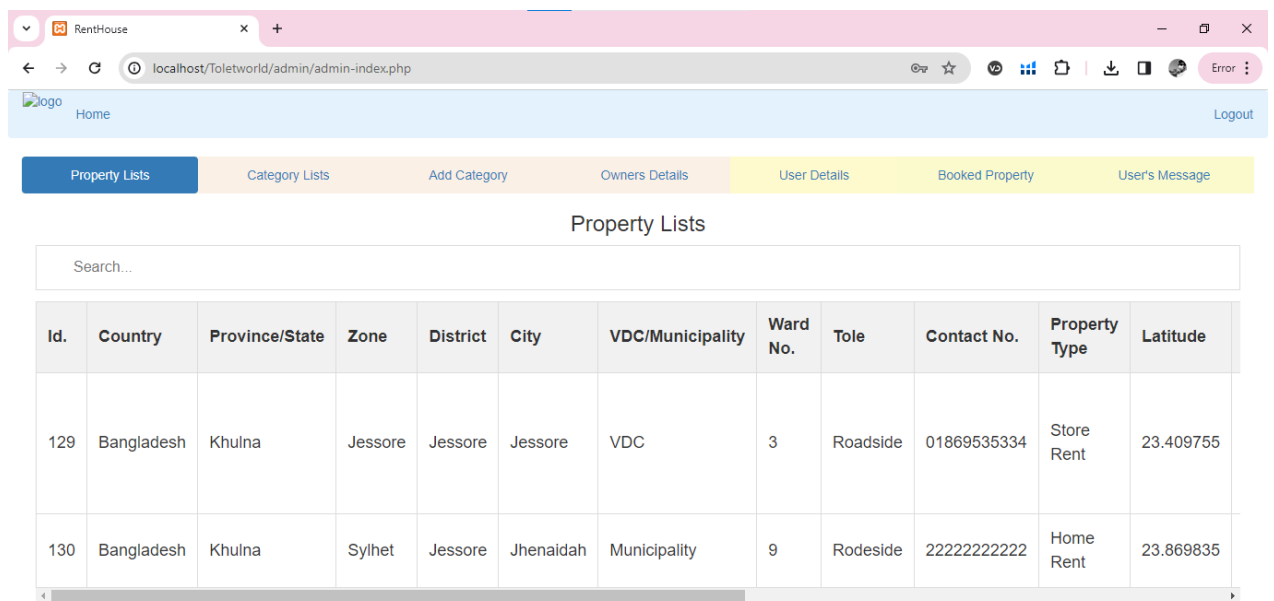


Figure 4.6: Property List

Search...

Id.	Full Name	Email	Phone No.	Address	Type of Id	Id Photo	Action
11	Protyay Roy	r.protyay@yahoo.com	01869535334	Dhaka,Dhaka	Citizenship		Delete

Figure 4.7: Owner Details

Search...

Id	Full Name	Email	Encrypted Password	Phone No.	Address	Type of Id	Id Photo	Action
2	Nourin Khan	demo@gmail.com	1bbd886460827015e5d605ed44252251	01869535334	Dhaka,Dhaka	Driving Licence		Delete

Figure 4.8: User Details

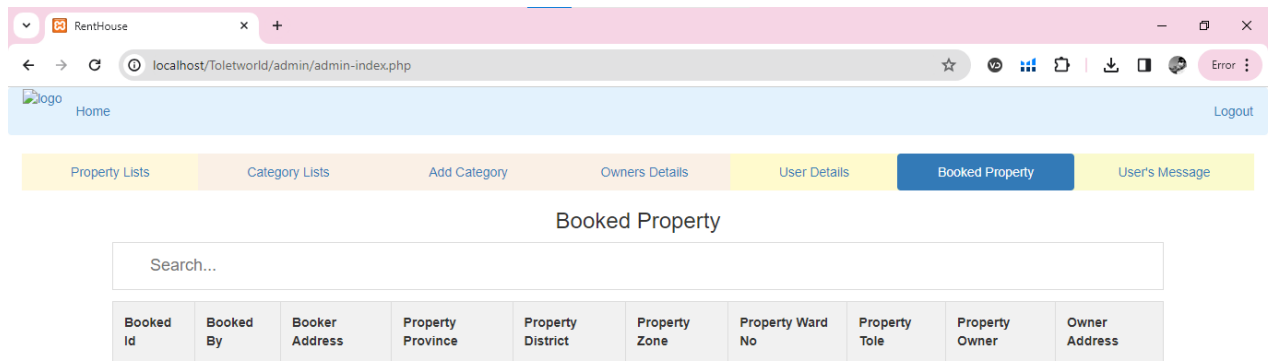


Figure 4.9: Booked Property

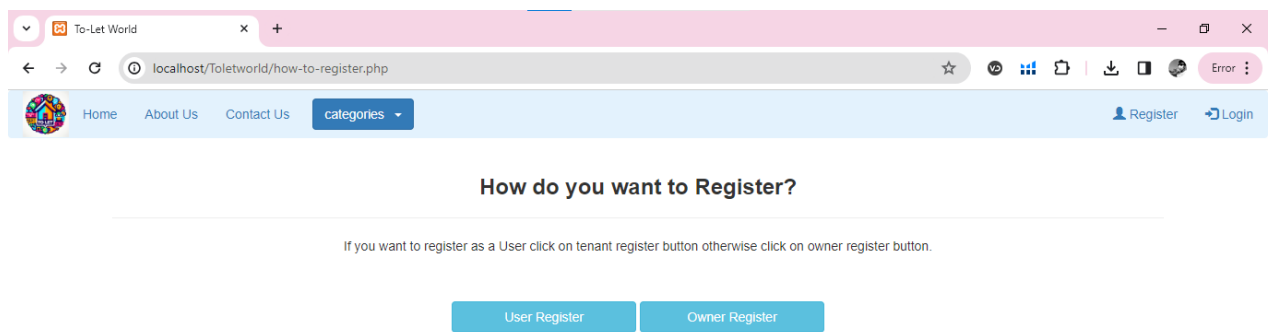


Figure 4.10: Registration

**User Register**

**Full Name:**

**Email:**

**Password:**

**Confirm Password:**

**Phone No.:**

**Address:**

**Upload your profile photo:**  
 No file chosen

Figure 4.11: Owner Register Form

**Owner Login**

**Email:**

**Password:**

Figure 4.12: Owner Login

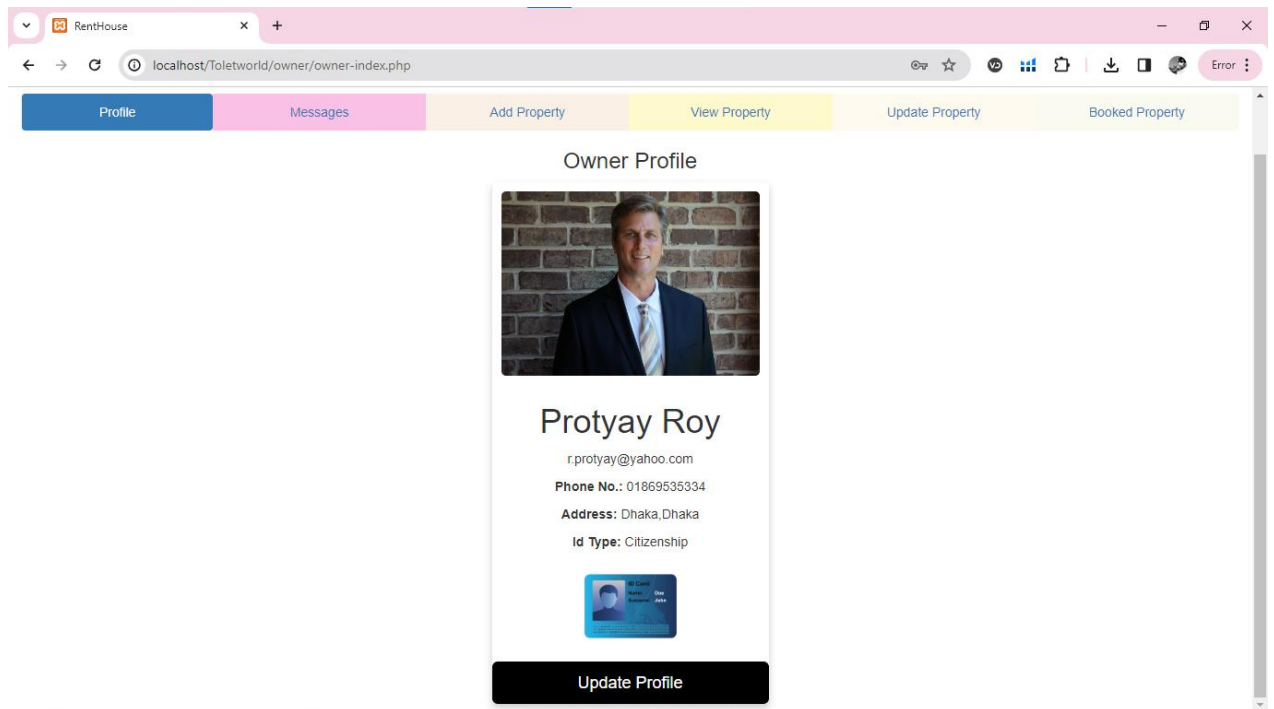


Figure 4.13: Owner Profile

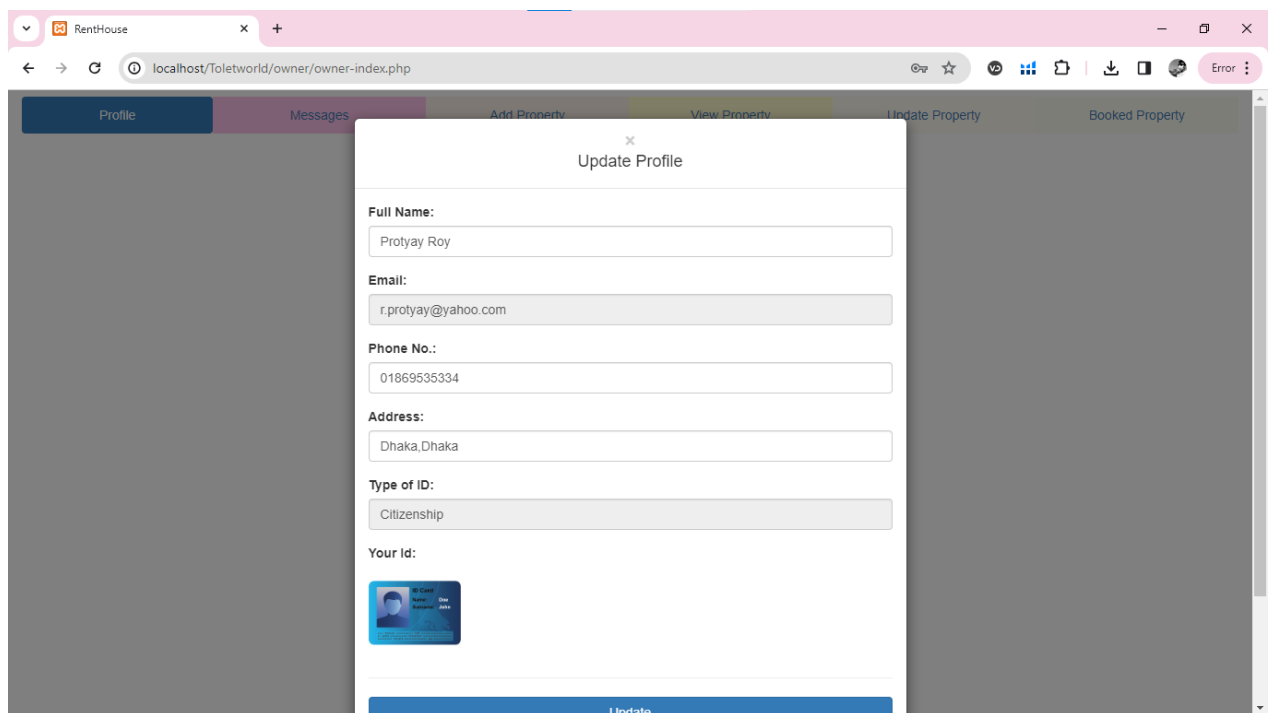


Figure 4.14: Profile Update

**Add Property**

Property Category Type: --Select Property Category--

Country:

Province/State:

Zone:

District:

City:

VDC/Municipality: --Select VDC/Municipality--

Ward No.:

Estimated Price:

Total No. of Rooms:

No. of Bedroom:

No. of Living Room:

No. of Kitchen:

No. of Bathroom/Washroom:

Full Description:

Latitude/Longitude: \*Click on Button

Figure 4.15: Add Property

**View Property**

Search...

Id.	Property Category	Country	Province / State	Zone	District	City	Municipality / VDC	Ward No.	Tole	Contact No.	Latitude	Longitude
Store Rent	129	Bangladesh	Khulna	Jessore	Jessore	Jessore	VDC	3	Roadside	01869535334	23.409755	89.1372
Home Rent	130	Bangladesh	Khulna	Sylhet	Jessore	Jhenaidah	Municipality	9	Rodeside	22222222222	23.869835	90.4031

Figure 4.16: View Property



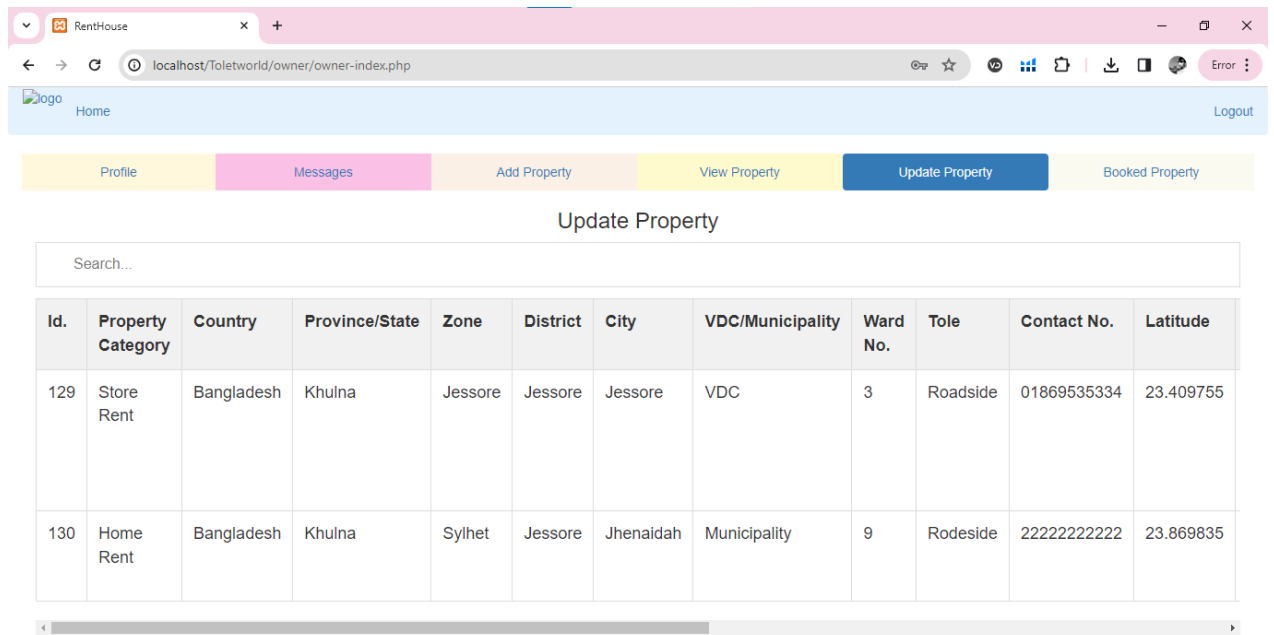


Figure 4.17: Update Property

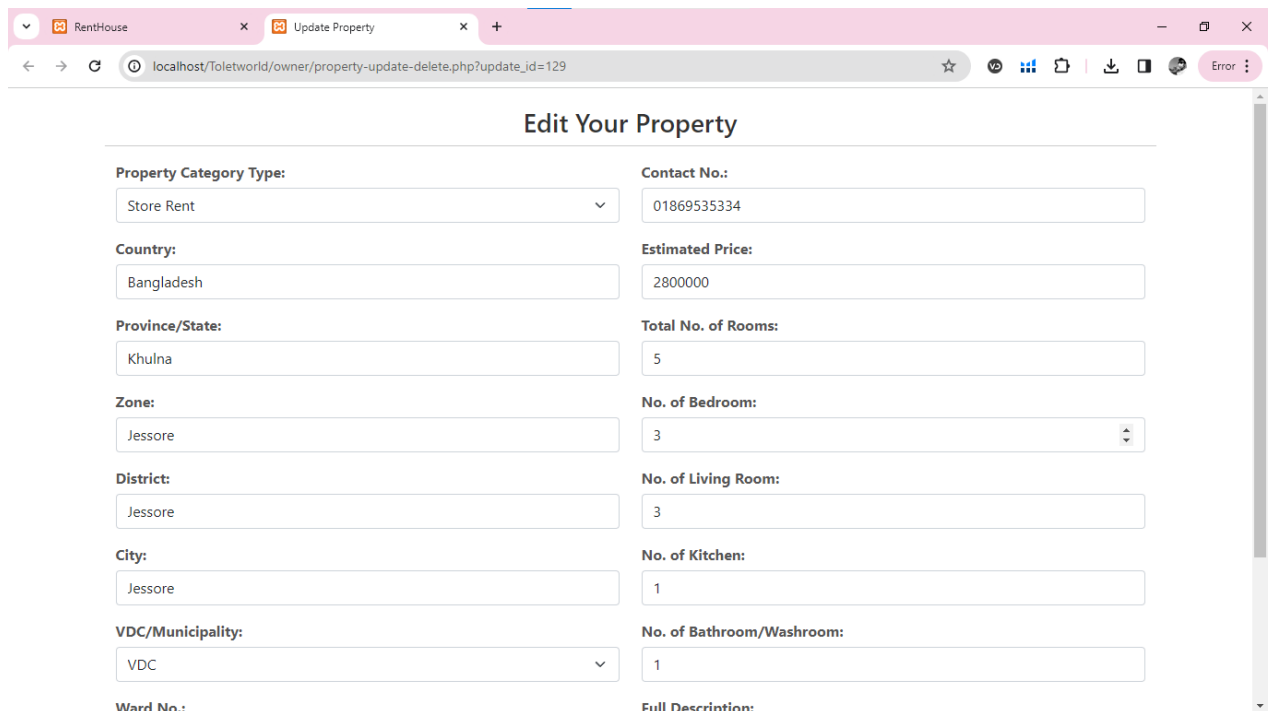


Figure 4.18: Edit Property

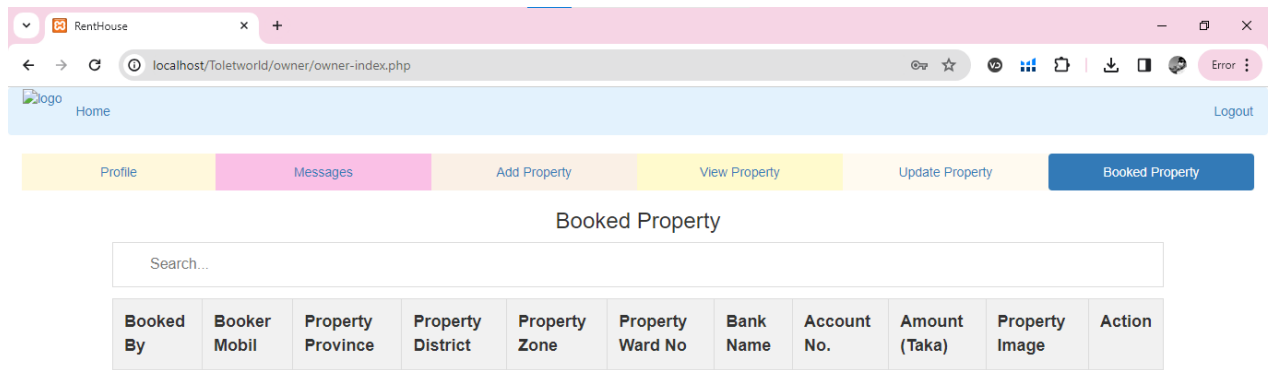


Figure 4.19: Booking Confirm

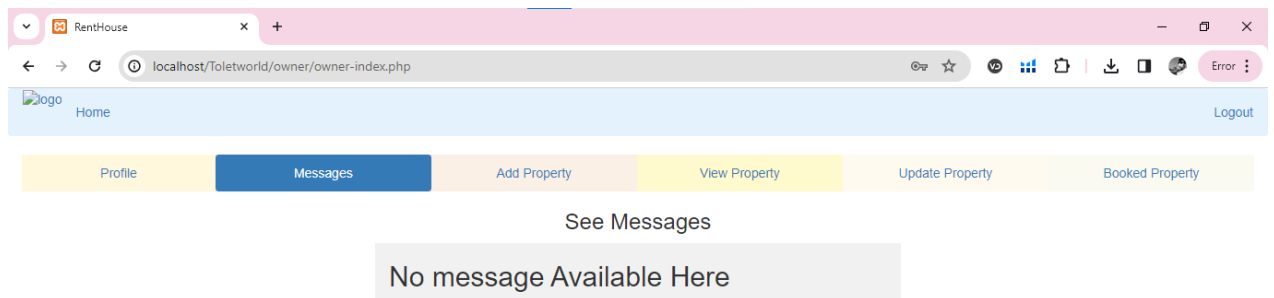


Figure 4.20: Reply Message

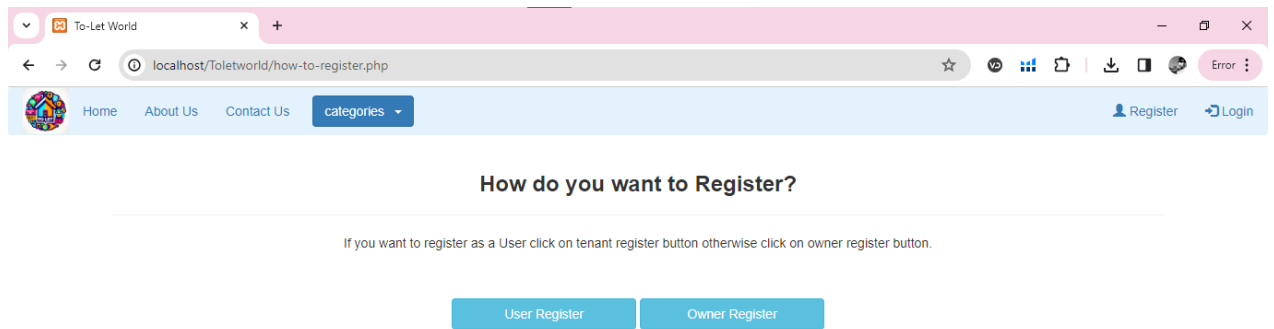


Figure 4.21: Registration

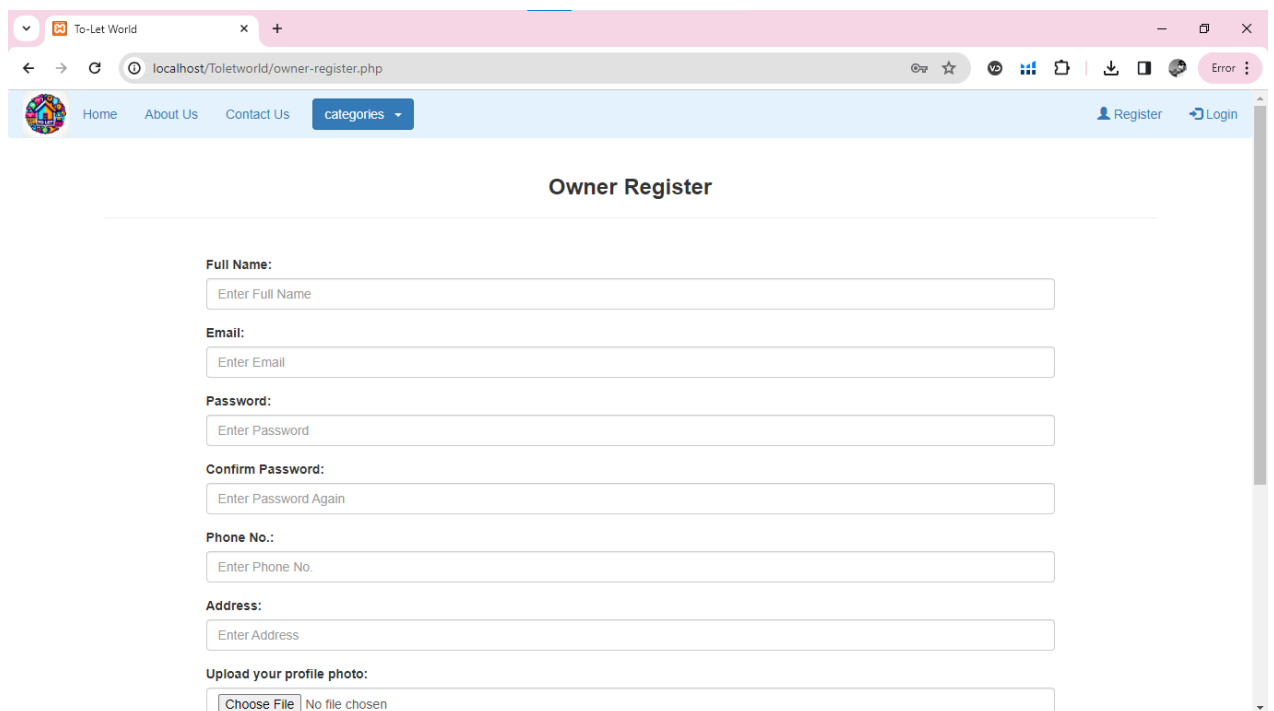


Figure 4.22: User Registration Form

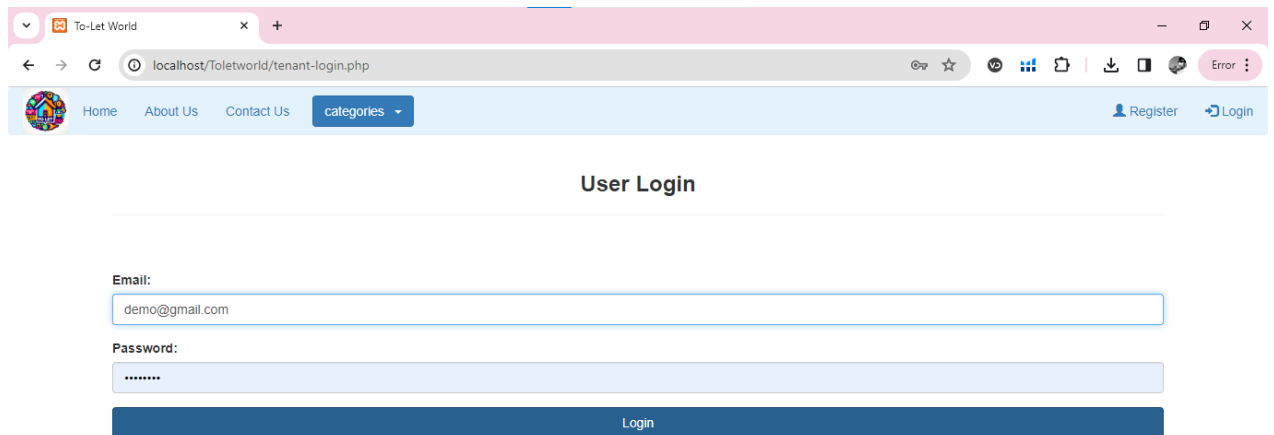


Figure 4.23: User Login

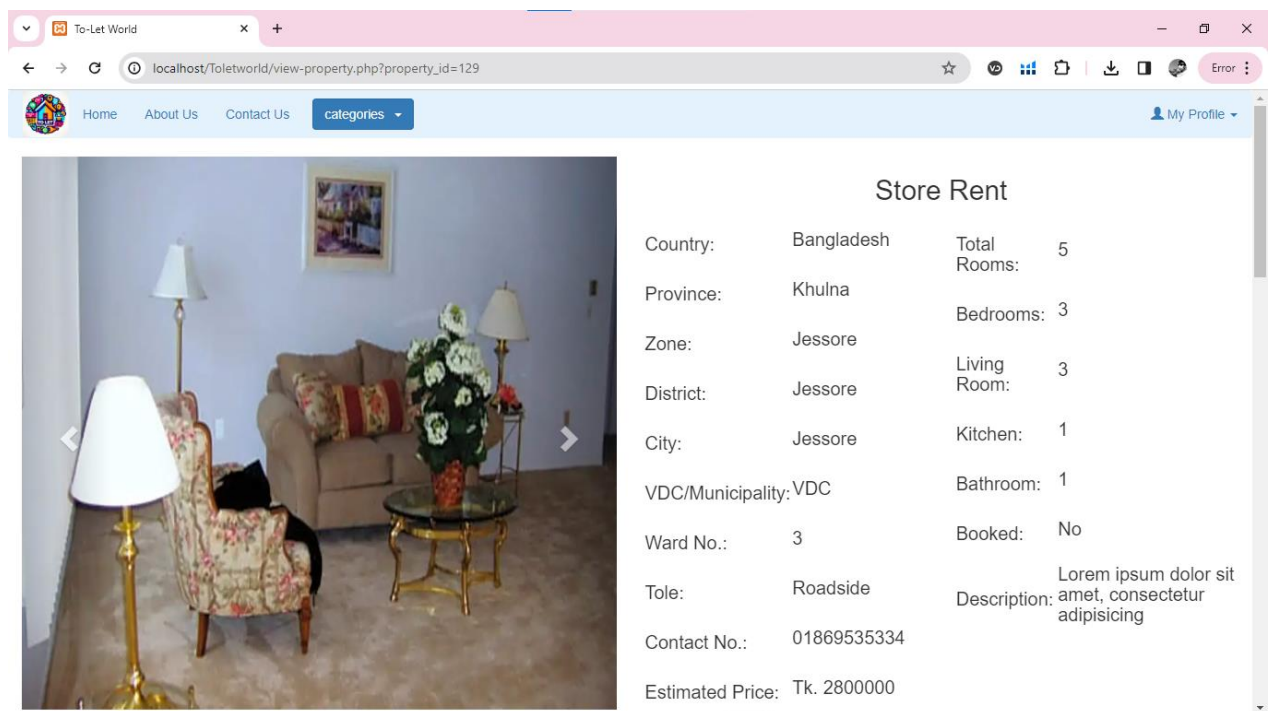


Figure 4.24: View Property

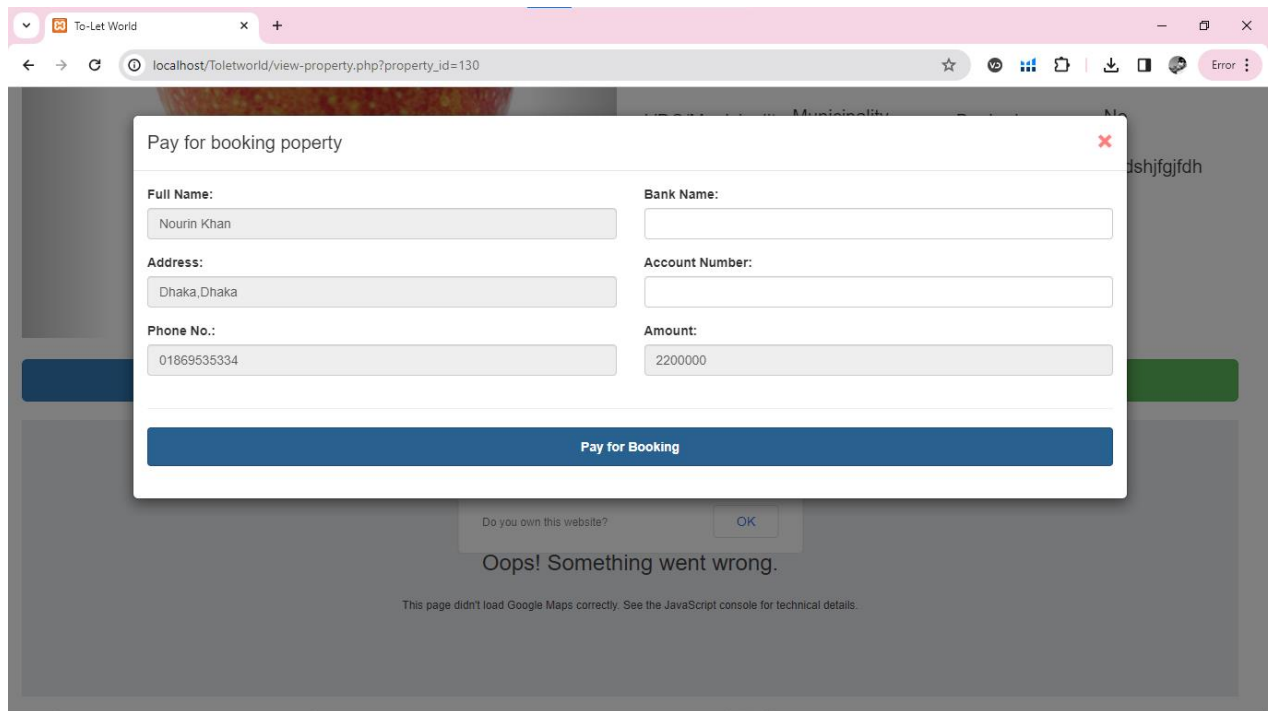


Figure 4.25: Room Booking

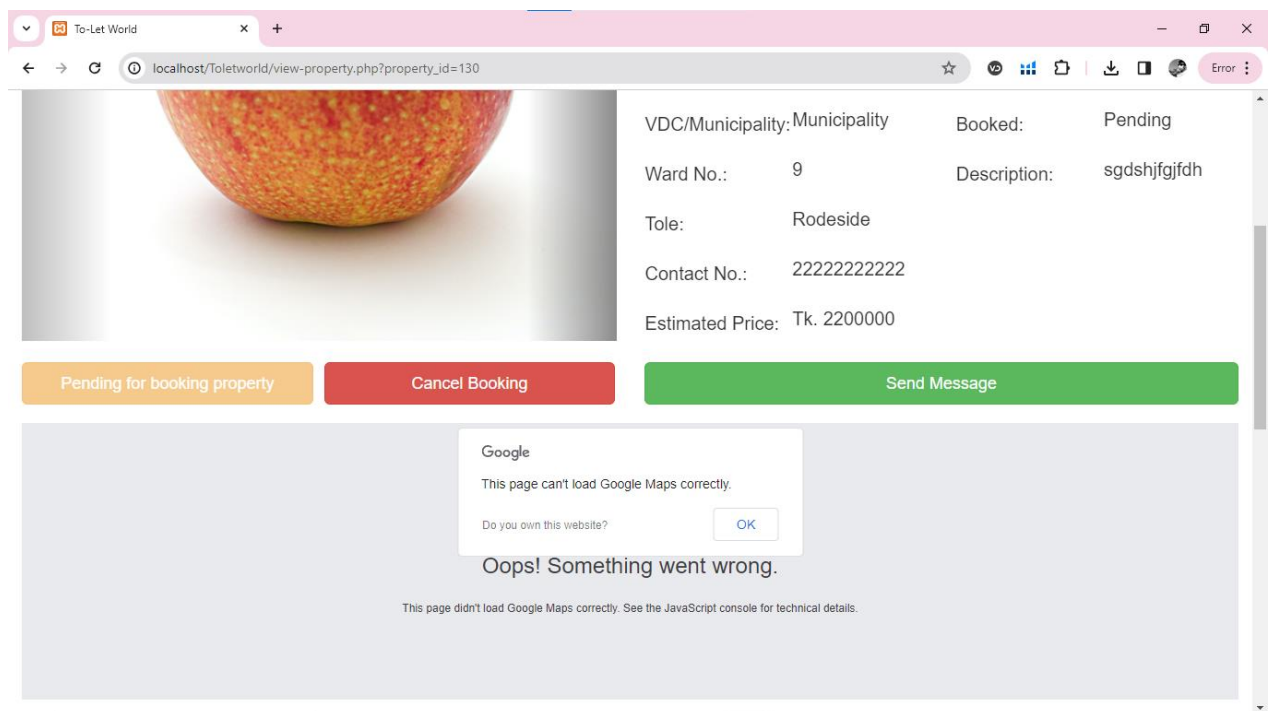


Figure 4.26: After Booking

## Chapter 5

### Implementation & Testing

#### 5.1 Implementation of Database

The data that we set comprises a variety of data that let us access, manage, and update the data in question. Since this data is truly coordinated, recovering it usually goes well. Here, we've used a table that relates to various data kinds, characteristics, and objects. We have used a social model so that we can determine whether a client has given their authorization to simply enter the information. For the database management system (DB we used phpMyAdmin. A couple of the databases in our DBMS are listed below:

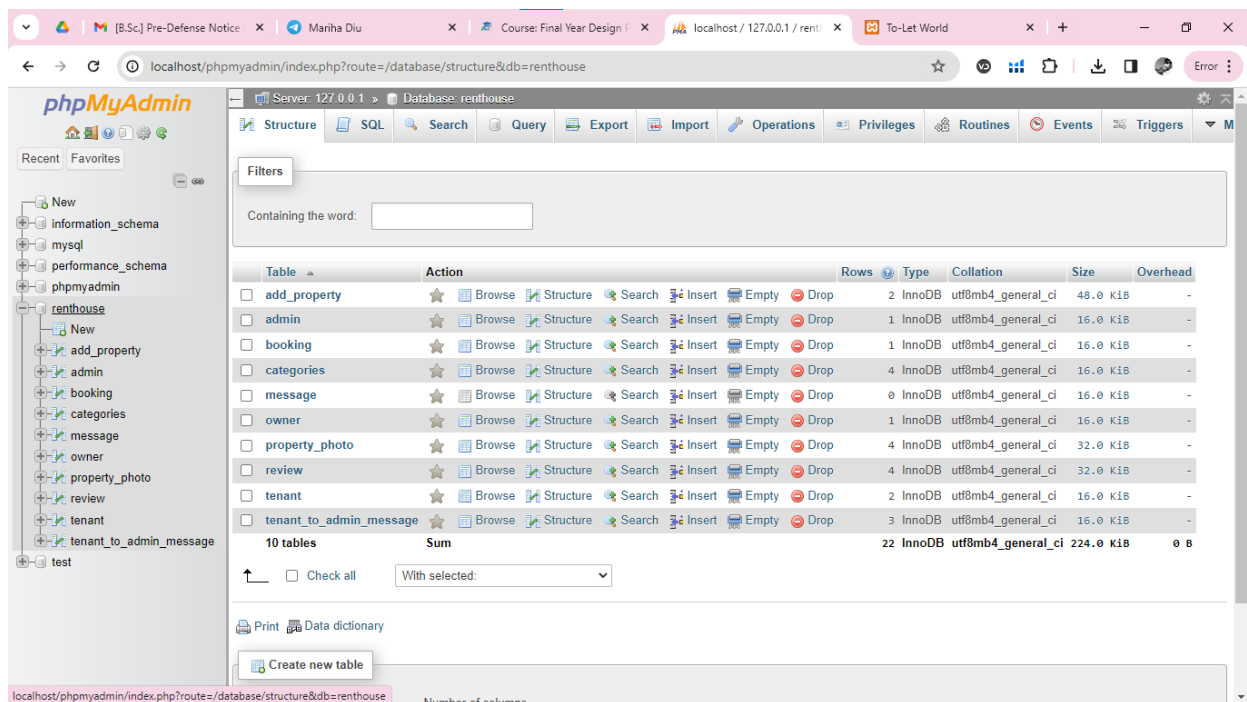


Figure 5.1: Database

The table includes customer information such as the title description, image, and date when customers saved. The agency in question will be responsible with regard to data verification, updating, execution, and approval. The model is sent to a knowledge base by the authority in question after certification.

#### 5.2 Execution of Front-End Plan

A simple front-end setup is necessary to enable almost seamless access for all clients. Our goal was for the general public to have easy access. In the contemporary technological age, there are many devices available, including high-tech mobile phones, computers, journals, and tablets with online access. Therefore, we anticipated making the site responsive so that the customer would not encounter any difficulties when browsing from anywhere at any time. In addition, we used advancements in HTML, CSS, JavaScript, and jQuery to create the user interface for our website. Several guidelines were followed in order to carry out the front-end plan:

Administrators, landlords, and tenants are the three categories of clients we serve.

1. Customers can log in using the account they registered.
2. Homeowners can update their profile if they choose to do so,
3. Guests can log in using the account they registered.

### **5.3 Implication of Interaction**

Interaction has a variety of implications that have a big impact on how users experience and performance of the web-based single-man room renting system. Interaction makes it easier for tenants and property proprietors to communicate smoothly, facilitating questions, discussions, and decisions. The renting process is made more transparent and trustworthy by this real-time information sharing. Additionally, interactive capabilities let landlords address tenant requests and issues quickly, which is crucial for maintaining a happy renter base. Furthermore, the system's user-interactive search and classification functionalities offer tailored property suggestions and optimize the process of choosing a property. In general, engagement is essential to building a successful, user-friendly platform, cultivating positive landlord-tenant connections and boosting the infrastructure's overall effectiveness.

## 5.4 Testing Implementation

It is an ongoing method of evaluating innovation's resolve. The cycle validates whether or not the specific is attainable. The cycle aids in enhancing qualities and implementation excellence.

Table 5.1: System Testing for Admin

<b>Test case</b>	<b>Details</b>	<b>Expected Outcome</b>	<b>Actual Result</b>	<b>Status</b>	<b>Date</b>
Login	Admin Login	Successfully log in	Successfully log in	Passed	13.11.2023
Watch ad. of property	Watch ad The Property	Successfully watch	Successfully watch	Passed	13.11.2023
Edit	Edit pages	Successfully edit	Successfully edit	Passed	13.11.2023



Log out	Logout from page	Successfully log out	Successfully log out	Passed	02.01.2023
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Table 5.2: System Testing for Owner

<b>Test case</b>	<b>Details</b>	<b>Expected Outcome</b>	<b>Actual Result</b>	<b>Status</b>	<b>Date</b>
Login	Owner Login	Successfully Login	Successfully log in	Passed	13.11.2023
Add property	Add Property	Successfully add	Successfully Add	Passed	13.11.2023
Edit	Edit pages	Successfully edit	Successfully edit	Passed	13.11.2023
Log out	Logout from page	Successfully log out	Successfully log out	Passed	13.11.2023

Table 5.3: System Testing for Tenant

<b>Test case</b>	<b>Details</b>	<b>Expected Outcome</b>	<b>Actual Result</b>	<b>Status</b>	<b>Date</b>
Login	Tenant Login	Successfully log in	Successfully log in	Passed	13.11.2023
Watch ad of property	Watch ad The Property	Successfully watch	Successfully watch	Passed	13.11.2023
Edit / booked	Edit pages or booked Property	Successfully edit/ booked	Successfully edit/ booked	Passed	13.11.2023
Log out	Logout from page	Successfully logout	Successfully log out	Passed	13.11.2023

## 5.4 Results and Reports

The result is important because they accurately depict the working conditions and are a systematic recording of specific information obtained from an inspection. When the performance cycle is complete, a test summary that details the exercises and provides a conclusion is required. Being an analyst, it is our responsibility to be aware of what happens, irrespective of whether the system in question is ready to function. Testing allows us to determine the framework limit independent of whether it causes problems with execution destruction. Finally, subsequent to getting the testing results, we can make these decisions:

1. Excellent UI for teamwork
2. A very talent application
3. The construction is all the more rapidly giving in by the occupants
4. Extremely simple to utilize and more beneficial for the property managers and tenants.

## **Chapter 6**

### **Impact on Society, Environment, Sustainability**

#### **6.1 Impact on Society**

The web-based single-man bedroom rental system addresses the increasing demand for easily accessible and reasonably priced housing options, particularly for persons looking for single-room lodgings and students. This has a significant positive influence on society. It provides a practical and open platform where landlords can publish their vacant rentals and renters may find suitable rental properties. This lessens the stress associated with housing and offers a substitute for the conventional, frequently convoluted leasing procedures. This framework supports learning and employment prospects by making it easier for individuals and students to obtain acceptable accommodation, which eventually promotes community wellness and socioeconomic in the economy. Furthermore, the digital character of the platform fits nicely with modern lives, encouraging users to adopt innovation and become digitally literate and thus impacting greater cultural developments in the age of information.

#### **6.2 Impact on Environment**

The digital and electronic aspect of the web-based single-man room rental system lowers the environmental impact that comes with conventional rental methods, which benefits the environment. Reduced energy usage and transportation-related emissions are achieved by the system via the elimination of physical documentation, mail services, and personal estate viewing trips. In addition, by linking renters with affordable single-man areas, the platform encourages the effective use of already limited housing resources, which may lessen the need for new buildings and the corresponding loss of environmentally friendly resources. Reducing ecological footprint and conserving resources are the system's overall environmental impacts, which are consistent with environmentally aware behavior and environmentally friendly habits.

### **6.3 Ethical Aspect**

The online single-man room renting method's ethical features are centered on upholding justice, openness, as well as accountable data management. Equal opportunity for housing possibilities is crucial, and the system needs to prevent prejudice and discriminatory behaviors in the advertising of properties and the selection of tenants. Ensuring the confidentiality and integrity of user data necessitates rigorous compliance with protection of data laws and prevents the improper use of personally identifiable information. Developing trust amongst landlords and renters, encouraging truthful business representation, and assisting in the settlement of disputes with integrity are more matters of ethics. Ethical values need to be given top priority in the system's rules and procedures, fostering an atmosphere that is fair and reliable for everyone involved.

### **6.4 Sustainability Plan**

The web-based single-man room renting system's sustainability strategy includes an extended dedication to economic, social, and environmental sustainability. Environmentally friendly server services and data centers are given priority by the platform in order to reduce its environmental impact. Additionally, it pushes renters and property owners to embrace environmentally beneficial behaviors like cutting down on trash and using energy-efficient equipment. The system is financially self-sustaining due to the money it receives from additional features and real estate listing fees, which guarantees its continuous uptime and operation. In addition to fostering healthy connections between landlords and renters, the sustainability of society is accomplished by advocating for equitable housing policies, diversity, and affordability. To further guarantee the site's applicability and ability to endure throughout time, periodic reviews, modifications, and incorporation of user input are conducted.

## **Chapter 7**

### **Conclusion and Future Plan**

#### **7.1 Conclusion**

If the framework in question performs well in the assessment course, this section will be important. The typical individual is our framework's main client. If we make this structure more distinctive and understandable, it will be more beneficial to them. A simple structure that is quickly gaining popularity is advantageous to both landowners and occupiers. We rely on a variety of websites for our daily requirements. This cuts down on our frustration and recovery time. We are striving to implement each and every suggestion mentioned in the lone hiker room leasing plan. We believe that we are now close to finishing this project. We will demand performance. We decided to take our endeavor as seriously as could reasonably be anticipated. a thorough understanding of the applications for which we may use programming skills. Even if we build an internet-based application for advancement, data set planning and endeavors are an important part. In light of this information set concept and method, we may have an intelligent idea of how we should organize a data set. The benefits of this project are enormous.

#### **7.2 Future Plan**

The objective of our undertaking is to make a clear technique for individuals with home loans to publicize their investment properties and find language for single men. Since single men are generally impacted at the hour of leasing a home. Our errand is to set up a stage for capacity programming so clients and inhabitants might convey easily. We recognize that our development is a gift to ourselves and that it will work on our lives. The objective of our recommended project is to make a direct strategy for the individuals who have home loans to publicize their investment properties and find reasonable for single men. Taking into account that solitary folks are generally impacted at the hour of leasing a property.

This portion will transmit numerous additional information in the future. Which are:

1. This project for an application written for Android comes to mind. Considering how popular Android is.
2. We are coordinating with a visit bot to integrate it into this framework.
3. In this case, we must use artificial intelligence.
4. We'll also include an online payment method.

In keeping with this, we really would like you to be conversant with this responsibility and this protracted goal. If the aforementioned cycles are strictly adhered to, our overall structure can get significantly better.

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