

**GOLDEN LIGHT REAL ESTATE WEBSITE**

**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**

**DHAKA, BANGLADESH**

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## APPROVAL

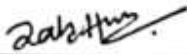
This Project titled “Golden Light Real Estate Website”, submitted by Md. Minhajul Abedin, ID No: 171-15-1386 and Md. Olide Hasan, ID No: 181-15-1791 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment 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 14-092022.

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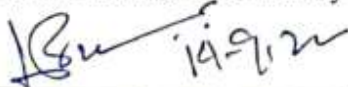
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## DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Ms. Tania Khatun, Assistant Professor, 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**

Construction industry is an important part of the economy in many countries. Bangladesh is one of them and often seen as a driver of economic growth especially in developing countries. This paper is aimed to examine the current safety status, identify the main causes for not practicing safety measures which termed as challenges of construction safety, identify the benefits of considering safety measures, effects for not practicing safety measures and suggestions to overcome the challenges in the construction sites in Bangladesh. The study was conducted in three stages. Firstly, the existing rules and regulations of construction safety were studied. Secondly physical survey was conducted among the ongoing construction sites. Thirdly 20 causes and 14 effects for not practicing safety measures that influence the safety performance in construction sites. A lack of safety awareness among the construction stakeholder and lack of safety training respectively. Finally significant suggestions to overcome the challenges were identified from the stakeholder of this industry. The survey results may help the authorities to increase the awareness of practicing safety measures and enforce the construction safety rules in the next project approach.

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# CHAPTER 1

## 1.1 Introduction

Bangladesh is one of the developed countries in the world where many of construction industry in here.

We know that there are three types of construction in Bangladesh such as, buildings, infrastructure and industrial. but the major type of construction are

Residential Housing Construction, Commercial & Institutional Building, Specialized Industrial Construction, Infrastructure/ Heavy Construction.

If any company wishes to start a construction business, they need to build a company by submitting all the relevant documents and fees either BIDA office and get licenses from Government. this is the way to build a company in Bangladesh.

We also know there are many stages in construction ,there are- soil strength and piling ,foundation ,block work and joinery ,slab casting, plastering etc. we also should need to follow our construction safety rules ,there are always wear seatbelt when in a vehicle ,always inspect equipment and tools, use fall protection when working at heights ,stay of out the build spots of heavy equipment, etc. we know that the construction site or sector is important part of Infrastructure development in Bangladesh. it's a great part to increase, our economy.

## 1.1 Motivation

We know, in our country there are about 4k construction firms, according to the Bangladesh Association of Construction Industry (BACI), a platform of contractors and engineers. But there are some of online construction site in our country. In the construction firms, a lack of motivation is an urgent problem for many project managers in construction and engineering projects. Lack of motivation affects the quality and productivity of jobs, reducing profits and growth for companies, businesses, contractors

or organizations that rely on human resources. So, we determine to make a dynamic site where anyone gets multiple dynamic options about the construction.

We also find some of online construction site there has no SSL or payment system Method such as Bkash, Douth-bangla, Nagad or any bank payment etc.

And also know there is no log in/log out system for the client. if we create log in / log out system then client can log in one time and visit everything in this site.

And also know when they publish their construction building picture but they are not added price with selling buildings. we think we added price for any building/construction/home decoration, we added different price for different work.

## 1.3 Objectives

By using this platform, Construction Website's get a lot of opportunities and are able to solve many kinds of construction-related problems.

1. This system can be used by any user looking to buy a property.
2. Even the property sellers can use this application and reach out to large number of buyers looking for property.
3. User will be able to find their desired construction site information.
4. Any type of people can find the construction/land/etc/ places guideline.
5. people can find their favorites Buildings/land/reshape.
6. Admin can offer land/construction details and price professionally.
7. Admin can find a lot of user/buyer with the help of this site.
8. We are also benefited economically from using the site for business purposes.
9. The payment system will be safe, and No fraud can't create the problem.
10. Online payment system available which is very easy and perfect.

## **1.4 Expected Outcomes**

First of all, our website will be very user-friendly, which is easy to understand. Buyer can find the desired construction building/selling a land/ etc. site easily, and Admin can give their advertising with no extra issue out of all requirement. They can post all their information very easily within some moment. Builder's or Buyer are so much interested in the site so our mostly this type of people so that they can manage all of construction guild line by using this Site. The online payment system will be built up so that buyer and seller can be Transaction safely.

### **1.4.1 Maintain The Website**

For any kind of project management is very important and major fact, In this case, we are very sincere and careful to maintain it. We are always active in solving any future or unexpected problem. Monitoring Company's advertise, and customer payment transaction be carefully our main maintain issue. It is also important to give the get waybill to the company perfectly

## **1.5 Project Management and Finance**

We divide it into three parts, one is the admin part 2<sup>nd</sup> is the Buyer part and 3<sup>rd</sup> is the Seller part. Another option here we discuss it.

## **1.6 Report Layout**

Very simply by booking the site and paying the site's money, all of the companies can earn a lot of money from this site. And we that's mean admin panel must be cut the percentage for advertising their buying or selling site. For this, we can also be benefited and create an economic cycle with the help of this platform.

## CHAPTER 2

### Background

#### 2.1 Terminologies

From the Starting, we know that this web-based site is a well-organized construction business platform for general users and professional Builders. for business magnet people, it is difficult to find a perfect construction site with contact physically. It is also time lengthy fact, and now a day's it is very difficult. So, this online platform gives a normalization and pleasure feel to know the construction details. Safety is also being the most priority-able thing, and online pay bill systems are newly added, which is not connected to any construction platform in Bangladesh. Here is an option to be a construction company that can remove the jobless situation.

#### 2.2 Related Work

In Bangladesh, there have many construction/real estate platforms. We research it very deeply; here, we found that –

01. No one site is very dynamic with multiple issues.
02. like no proper website information (login/logout ect.).
03. No proper land price/construction information and details.
04. No proper road direction and location for construction site/land.
05. Booking system are hard.
06. Maximum website we can see there are no payment system.

Like “<http://odc.com.bd/>” is one of the popular construction sites for the construction/real state Website, but here we know the only place information or basic guideline but not perfect explanation about buying or selling price. Also, there is no login and payment system in this website.



“<https://www.dcc-bd.com/>” is one of their site which has a some video and pictures information only but there is no price information, proper location and direction for site/buildings, there is no payment option etc..

“ <https://www.charuta.com/> ” Here we can see this company is one of the best company in Bangladesh. But we researse and we get there are no price value added in any property.

In Bangladesh, there are several construction-related websites that are not dynamic. It all is basically blogging type but not added price value for any construction. So, we made a different think and implemented on our project that would be a dynamic site with information, selling price information, and payment method.

## 2.3 Comparative Analysis

There are many works in Bangladesh about construction/real state, but all the web site's are not dynamic. They just upload their blog or video and picture, and there information. In this below, I added other site UI front page for some basic ideas.



Fig 2.1: User Interface (UI) related work from “geasolutions.net”

Here we see that no log-in and log-out part. They build up their site only basic construction places information.

Also, another site there has a very attractive user design. Users don't get have the proper pleasure to make a nice vent with their because they have not got way payment system and the professional agency also.

Below we take a screenshot of the naif-group web sites User Interface.

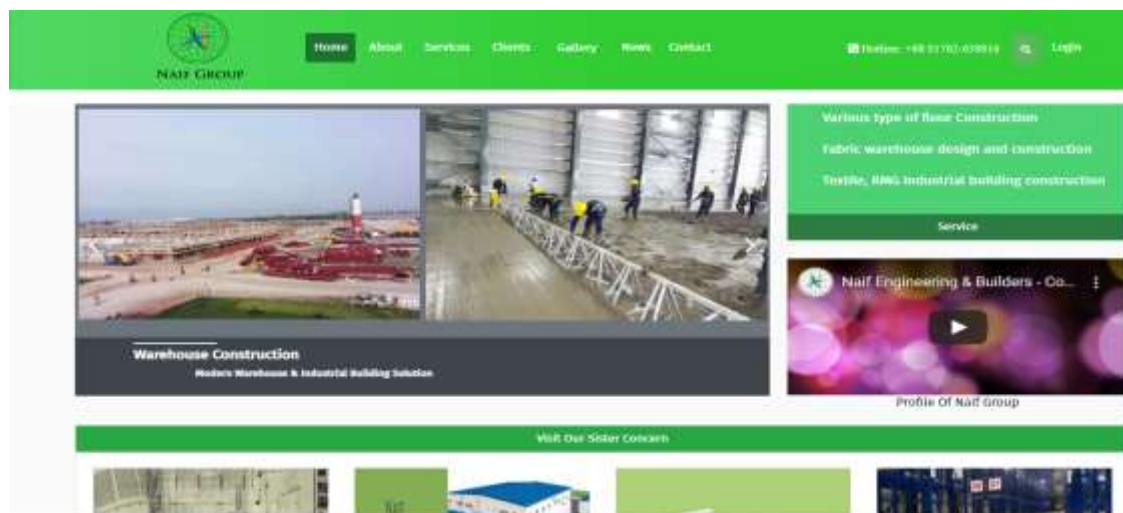


Fig 2.2: User Interface (UI) related work from “naifgroupbd.com”

## 2.4 Scope of the problem

While we researched some related websites and audited them, then we encouraged some problems for users and found that there is a collaboration gap between agency and buyer.

1. Finding proper information with the necessary equipment (admin support, payment method).
2. Not a single website their multiple agencies can create an open construction market for all tourists.
3. No secure online payment system of any construction agency.
4. No option would be a construction agency in the online platform.

## 2.5 Challenges

Building and implementing our project have a lot of major challenges. Since it will be a dynamic website with proper information, agency support, and payment method, we need to take on more challenges. here we list up:

- Make this Website User Interface more friendly than others.
- Allow the professional agency in a proper way.
- Ensuring the personal information of general users and agency companies.
- Most secured payment system with the help of third party (Like SSL COMMERCE).
- Make sure they receive the payment info and give it to the authorized agency.
- Making website faster is also challenging
- Make sure an Uninterrupted Connection Build up.

# CHAPTER 3

## Requirement Specification

### 3.1: Business Process Model diagram

Here this Business Process Model diagram is given below-

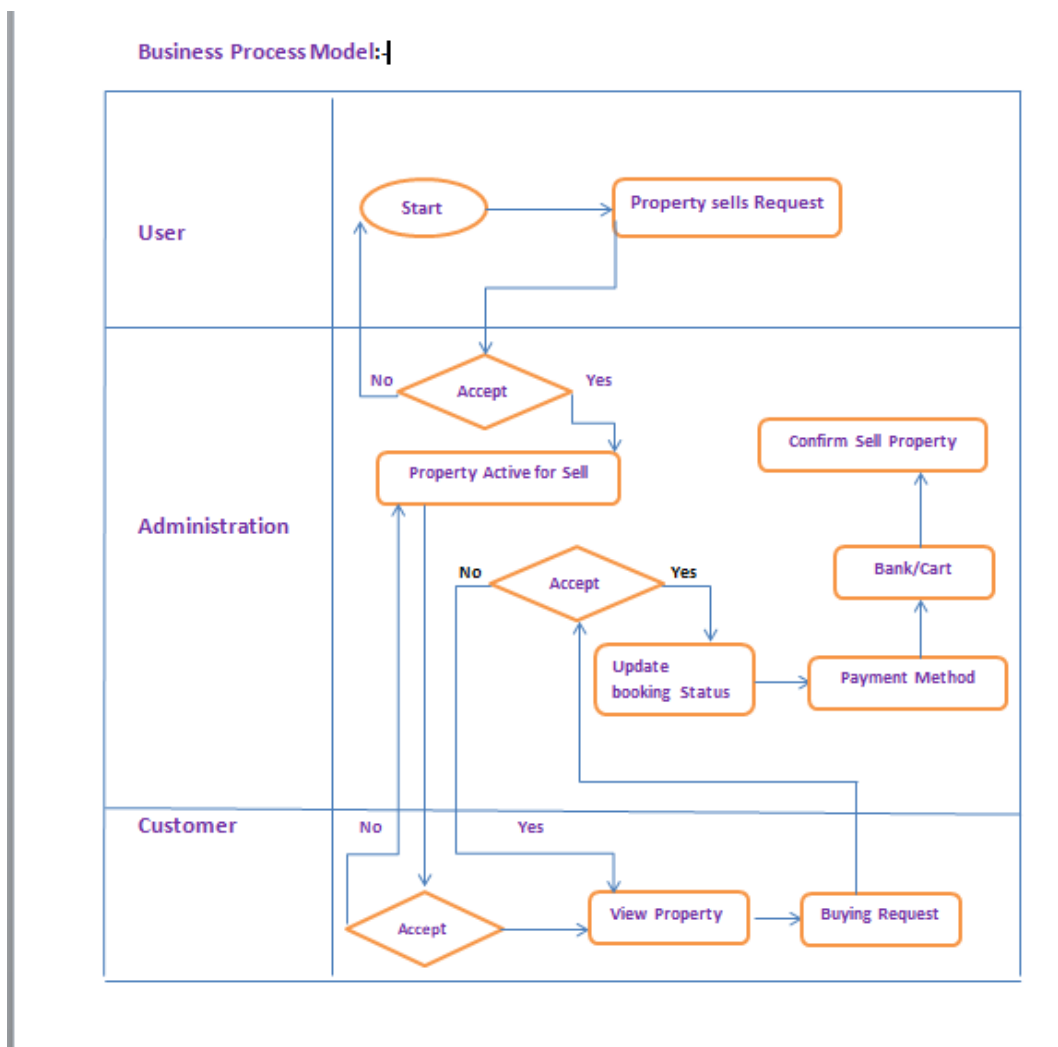


Fig 3.1: Business Process Model Diagram

### 3.2 Requirement collection and analysis

In our web application, all collection and necessary requirements like admin login, user login, registration, etc. In the list, some of them are described.

Table 3.1: Requirement and analysis

<b>Serial no</b>	<b>Requirement Name</b>	<b>Analysis</b>
01	User Registration	User can visit the web application freely but if they need to take the service by our site then must be need registration and then they get access for details
02	User Login	After completing registration need to log in our site with valuable email address and password.
03	Property list making	Property made by admin and this all-property list show in our web.
04	Booking and payment	If desired any user for make trip then need to book the property and pay the property money.
05	Admin Log in	To modify and monitoring all the secure issue then admin need to login

### 3.3 Use Case Diagram and Description

Here this use case diagram shows the user and their relationship. User, and admin relation connected here and their perspective accessible tools and attribute also exist.

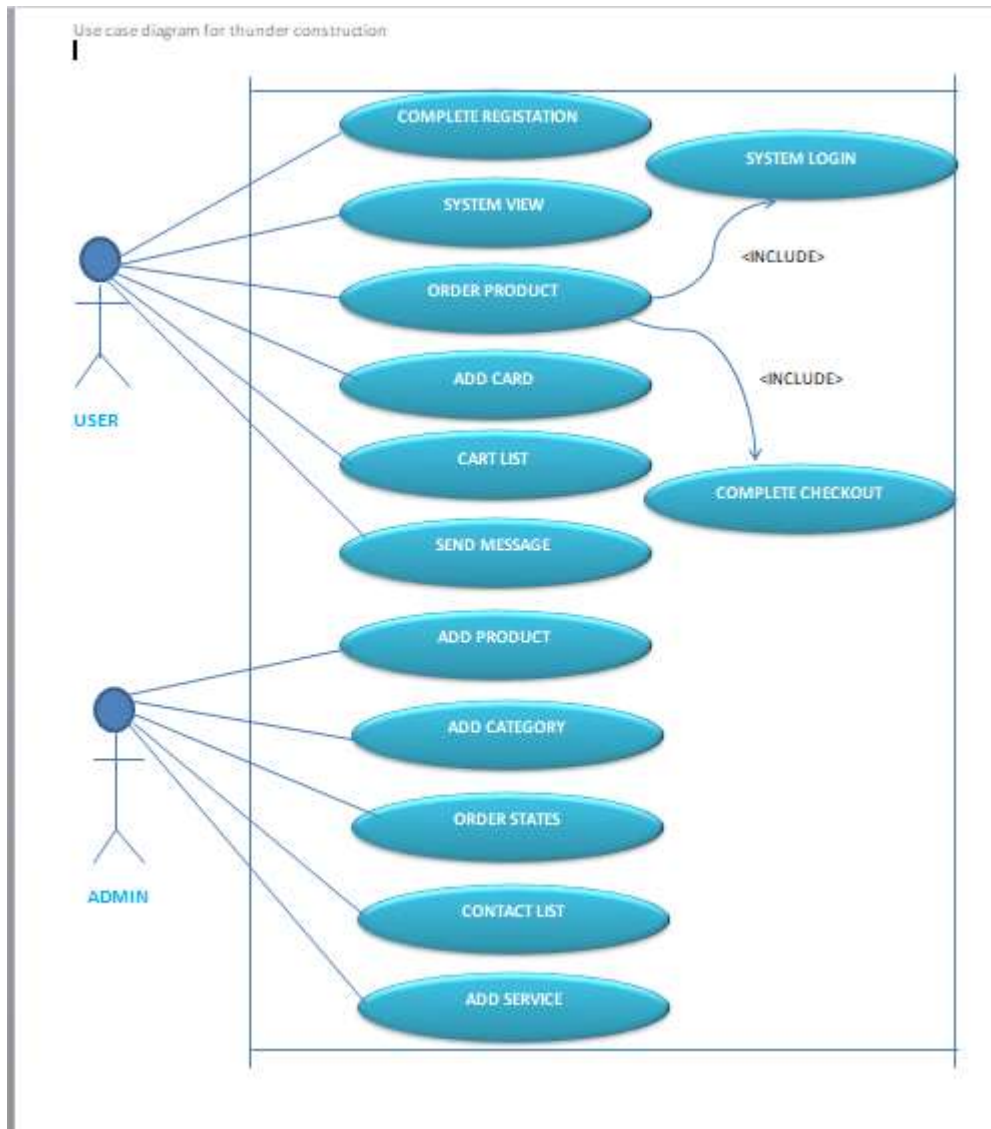
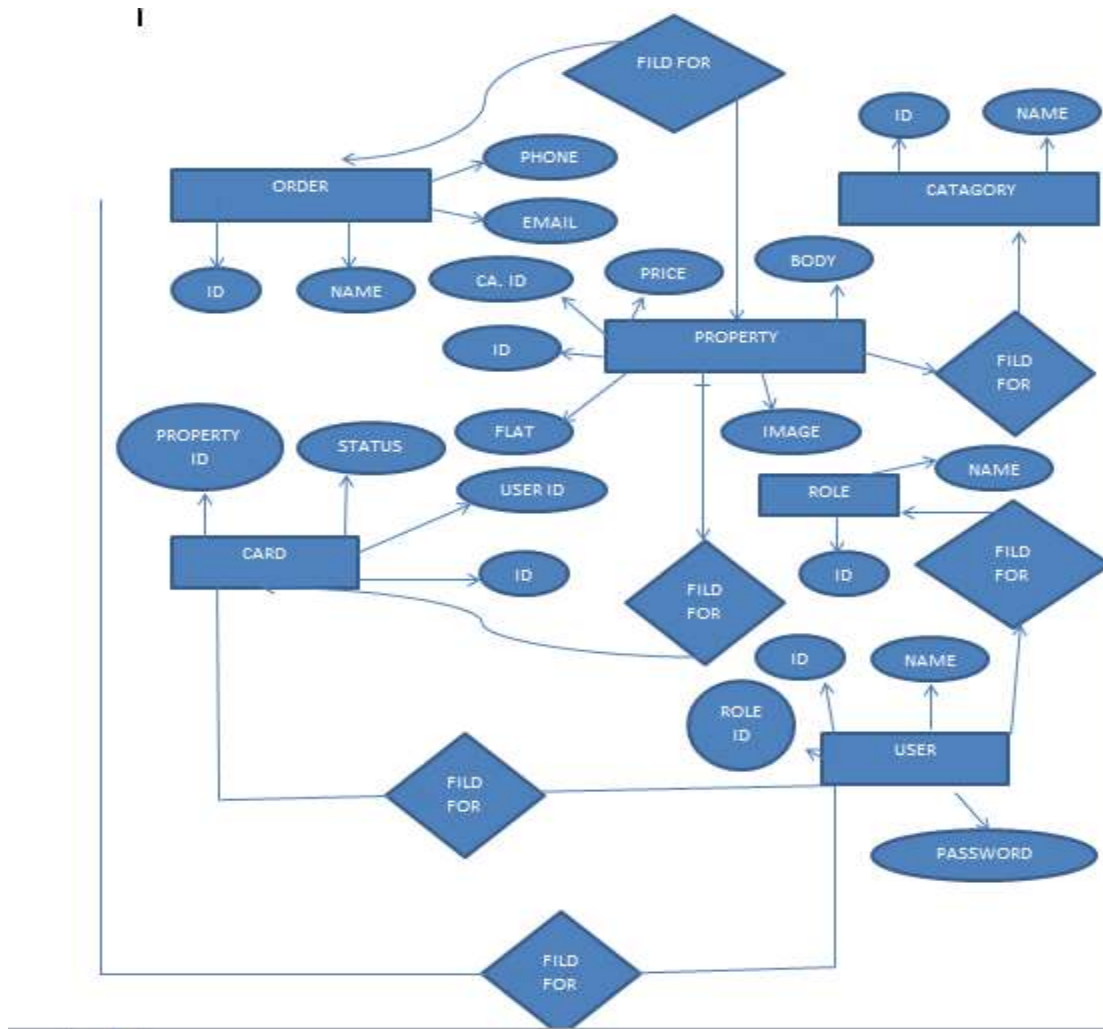


Fig 3.2: Use case diagram Modeling

### 3.4 ER Diagram and Activity Diagram

Our design of Real Estate Property Management System consists of 9 entities; the specified entities will be our database tables in the design and implementation of Real Estate Property Management database schema.

In this Activity Diagram We Can See How a user can registration, view application, visit application, request order, and add to cart a property.



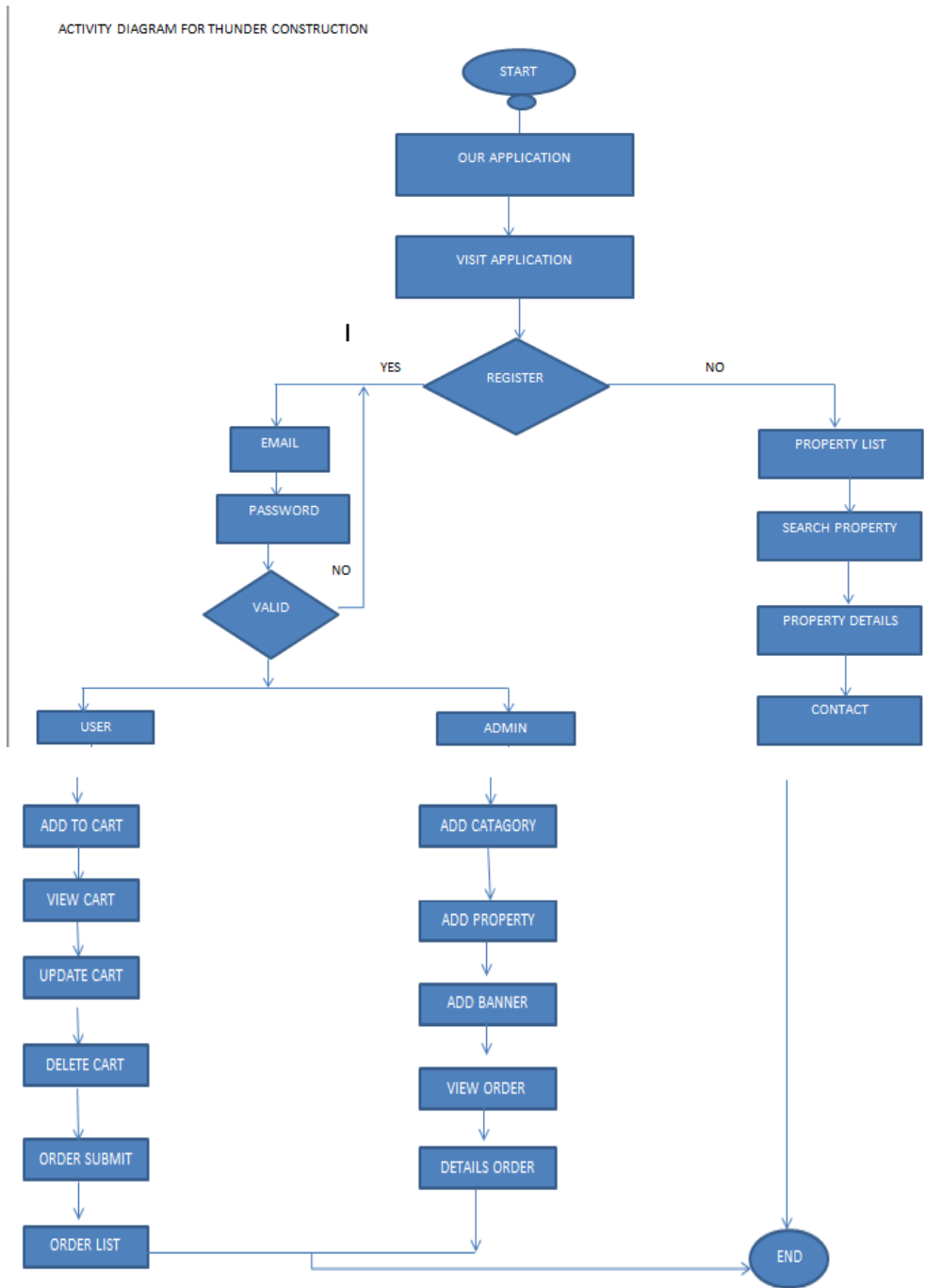


Fig 3.3: ER-Diagram and Activity Diagram



### 3.5 Design Requirement

We make a dynamic website briefly discussed in the previous chapter. We divide it into the two-part backend and front, described in chapter 4. We use HTML, CSS, bootstrap, and JavaScript, in the front end And Also use my sql. We use visual studio code—laravel framework working here for better management.

**HTML** (HyperText markup language) is the project's structure, and it helps the browser display or opens the content.

**CSS** means cascading style sheets, making a website attractive by this. This gives style to a website.

**Bootstrap** is CSS extra build that provides the multiple dynamic options that were built-in previously.

**JavaScript** is the programming language for making static web pages look interactive and working as follows the command. It reduces the pressure of the database system and helps to increase the webpage load.

## **CHAPTER 4**

### **DESIGN SPECIFICATION**

#### **4.1 Front-end Design**

In our project, we are trying to make an attractive dynamic site. Here we have six basic pages for a general user Without a Login and registration form. Firstly, anyone can see the feature without registration, but if they are interested in making a trip with the available agency, they must register. Here Front design is established with HTML, CSS, Bootstrap, JavaScript. Admin can change the logo, description, and package information; User can view the package, book the package, and ask any questions to the authorization. For pure useful behavior, users need to register and log in first. Admin or agency group also be allowed professionally by the author of this platform. They can add packages dynamically and see the payment and booking update info which the author updates. Social media links like Facebook, YouTube, Twitter are also available links added here so that everyone explores the site to gather more knowledge and info.

##### **4.1.1 User Interface**

User first entry of this site to entire a home page. And very simply, all can see it and gather an idea of this site. In the header site, we add a navbar and multiple options like home, service, Destination, pages, news, contact. Here we add a search option. On the right side, here we add the registration and login option. The left side added a logo and title, which the admin can change. Icon also is clickable. The first view we see of the natural beauty of Bangladesh here is multiple scenarios added by the bootstrap carousel. Below here, we find the featured package.

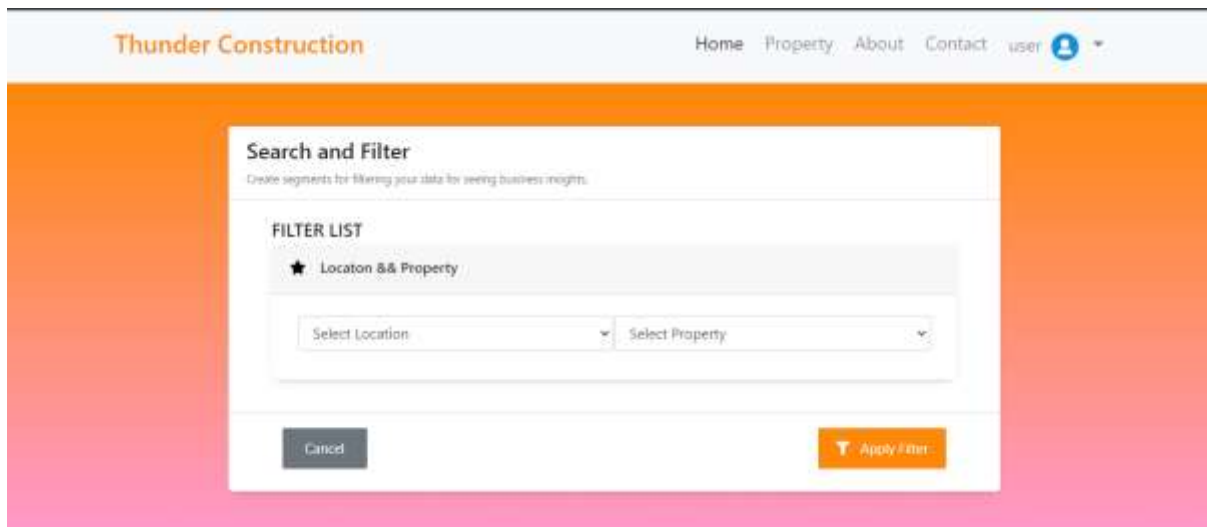


Fig 4.1: Home page view (part-1)

First view for home page automated change the land pictures .it can be added more images by admin.

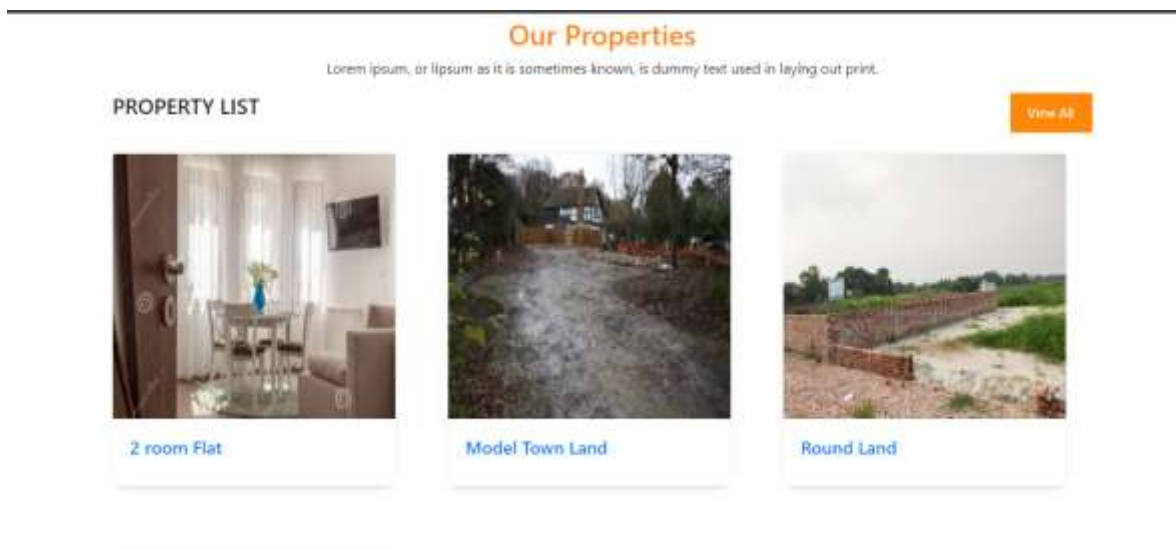


Fig 4.2: Home page view (part-2)

Featured packages is showing the trendy land images also popular real state building shows in featured property.

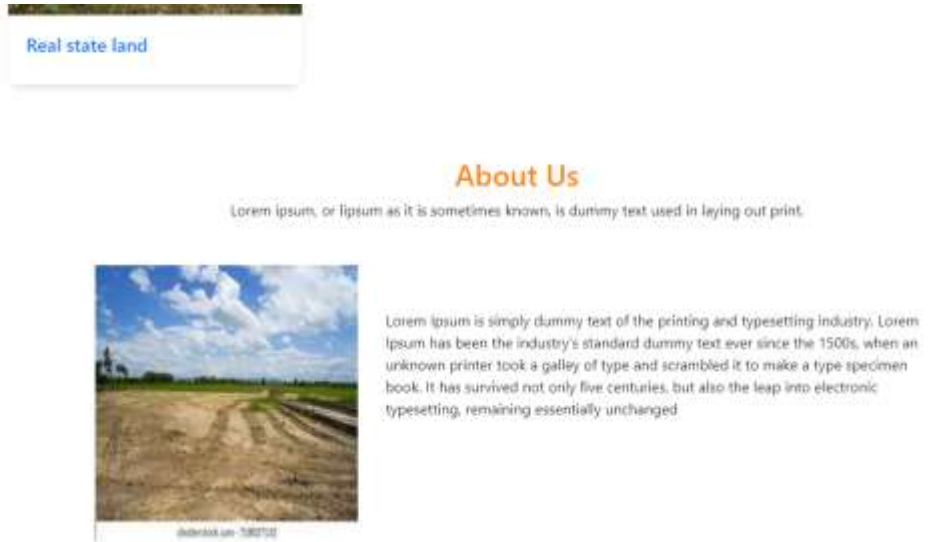


Fig 4.3: Home page view (part-3)

Scrolling in below us can see some destination places overview. for more details, we need to click.

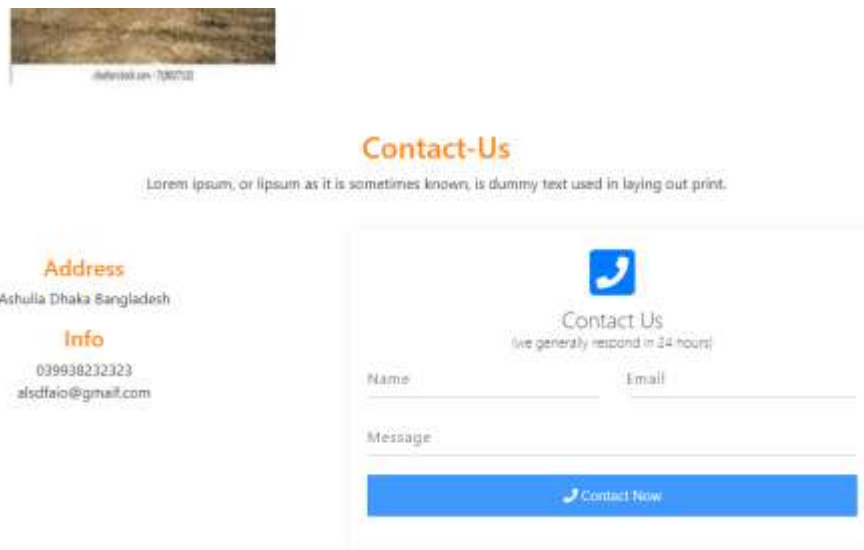


Fig 4.4: Home page view (part-4)

After that we can see the team members and a testimonial part which is about admin panel and the authorization team.

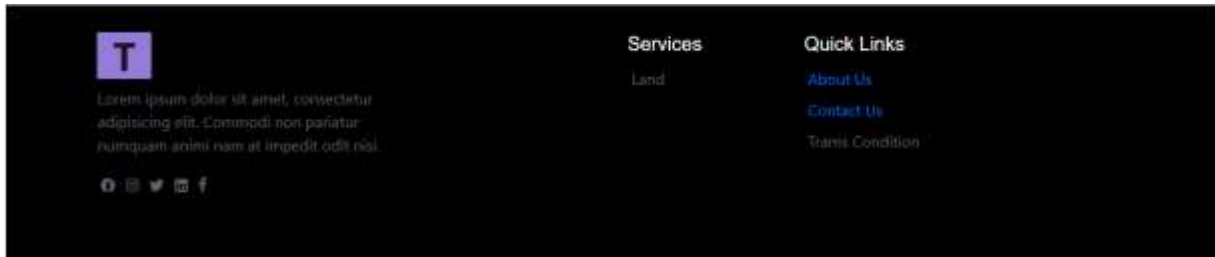


Fig 4.5: Home page view (part-5)

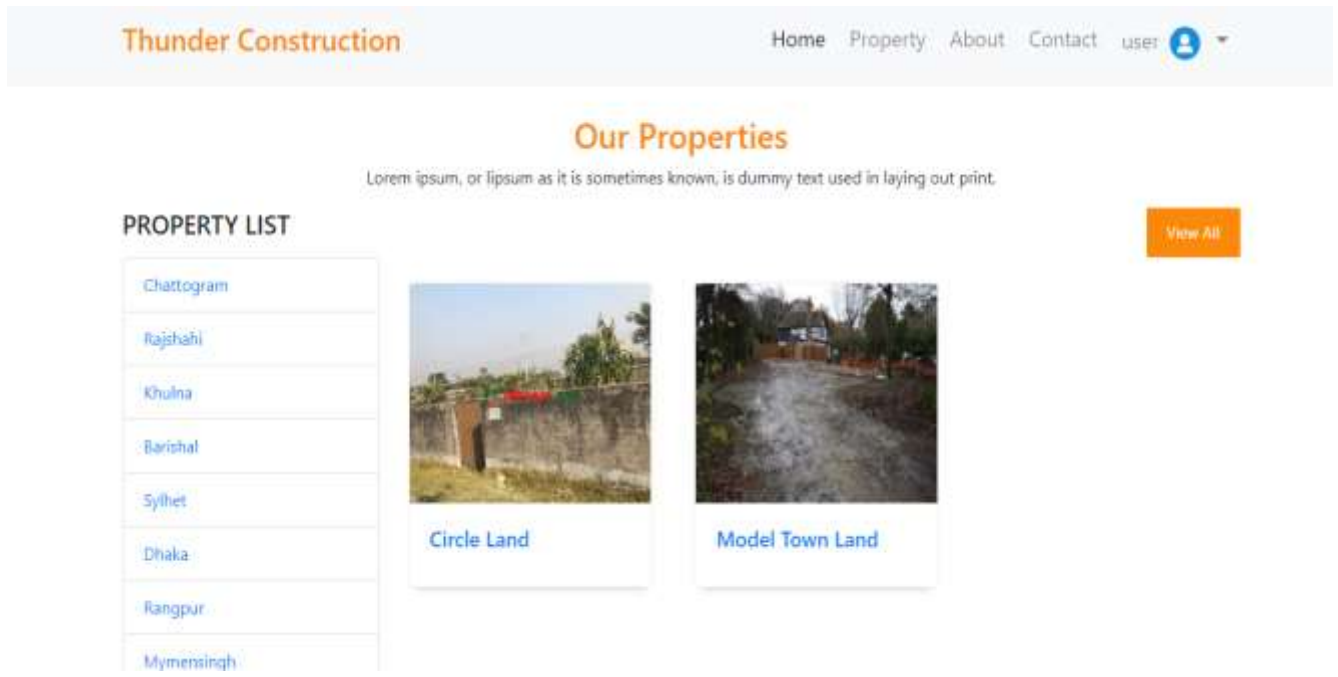


Fig 4.6: Home page view (part-6)

Some Basic information can see the in below of this page like land, Address information Recent News and featured tours. this all about to home page there are more special brief information and featured on the page.

Now we are describing out services page details. Here are multiple categories services are available. Safety and nature love are most prorated service that must be ensured our site. Here we can find experienced hos who mostly love land and love to host the property. Agency are professional support where any tourist can make a trip with professional experiment agency

company. Here we find the tradition food information on destination place, Cottage information are very crying need to make a trip under service cottage info must be given.

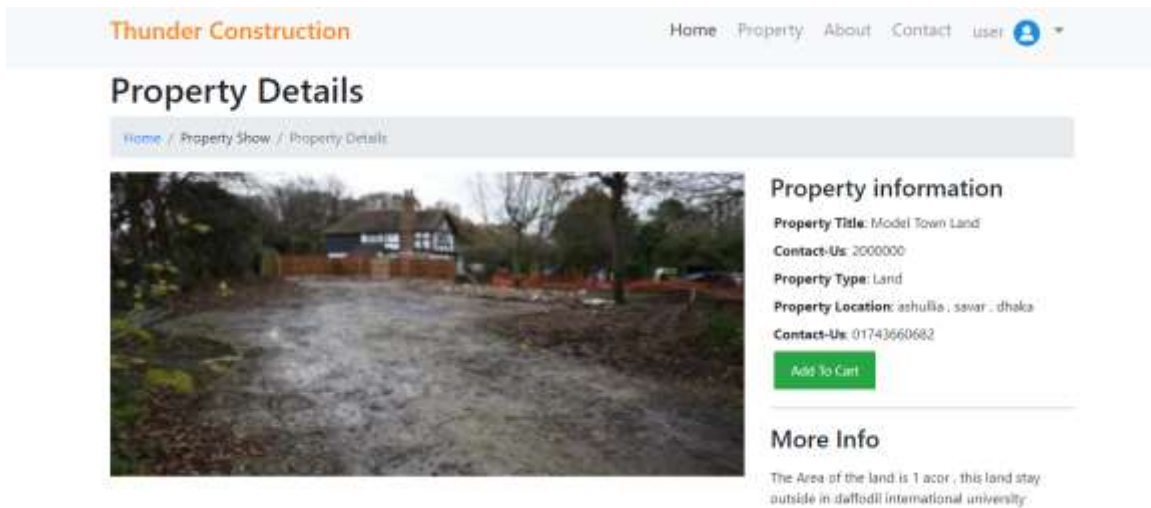


Fig 4.7: Property details.

In Destination page we can see the destination places package and info with more detail. Our preferred place, time, info and other related information are here. Likedhaka, chattagram, Sylhet, mymensingh etc. this type of destination place is highly focused on this page a user can find easy way to buy land.

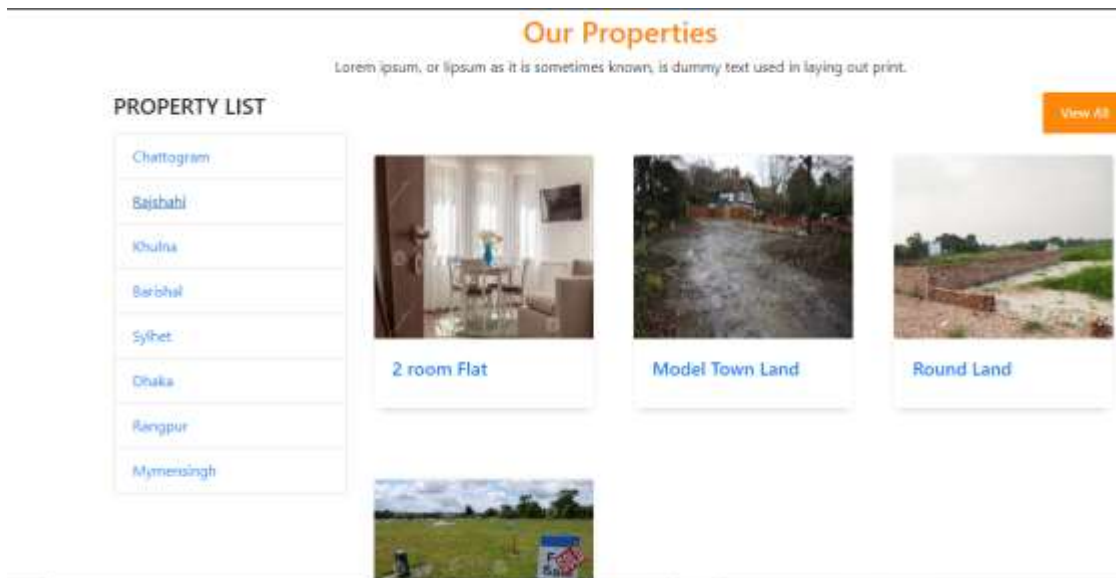


Fig 4.8: Property list

Pages is a portion for some related element and here added 4 subpages that explore the team information, works testimonial which is given by many people and reputed company, and this page we can know the about of author information and what is mission or vision pf this project. Other subpage is about FAQ that you provide very basic query for client and user. In below we added this pages 4 subpages part linearly.

For first portion about us explore the vision and mission for this particular dynamic project.

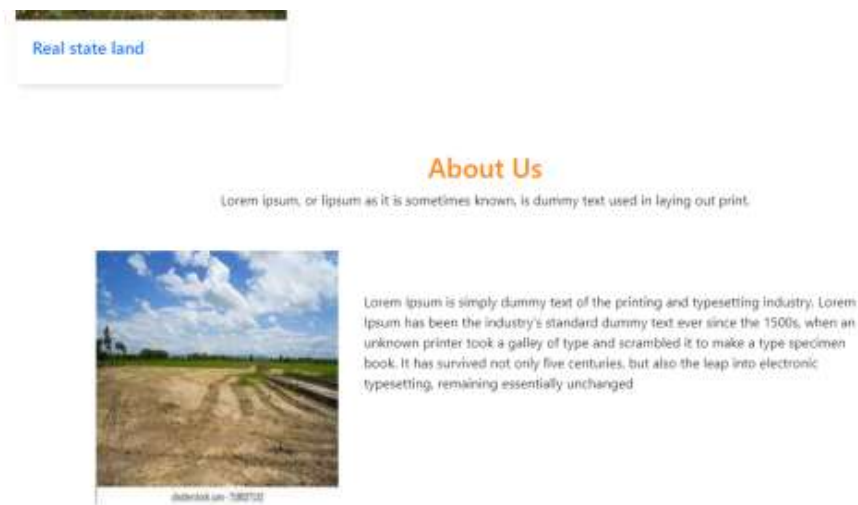


Fig 4.9.1.: About us (Under the pages).

Next Our team pages show the detail info who are working for this site as developed purpose and if necessary, anyone can contact with the development team.

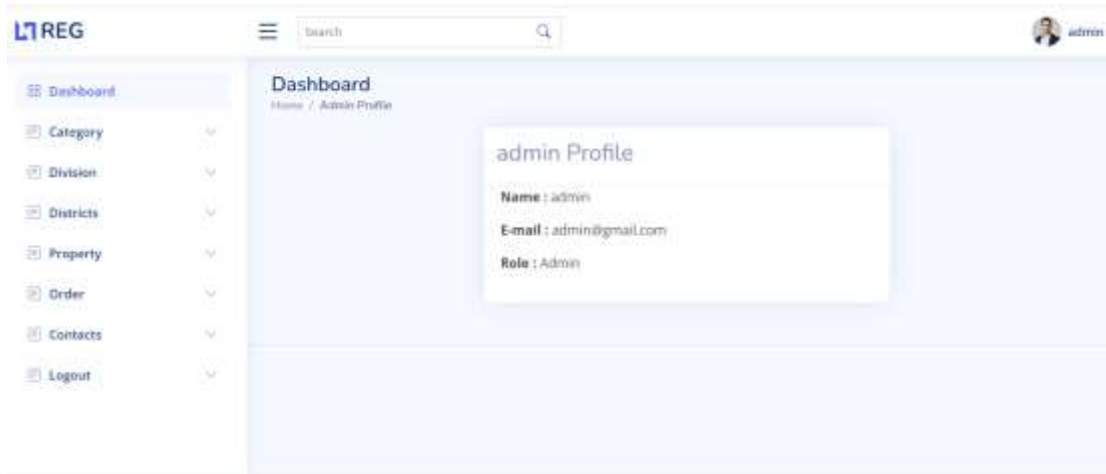


Fig 4.9.2: Admin profile

Testimonial are given by the authorized well-known person and company also by our service client.

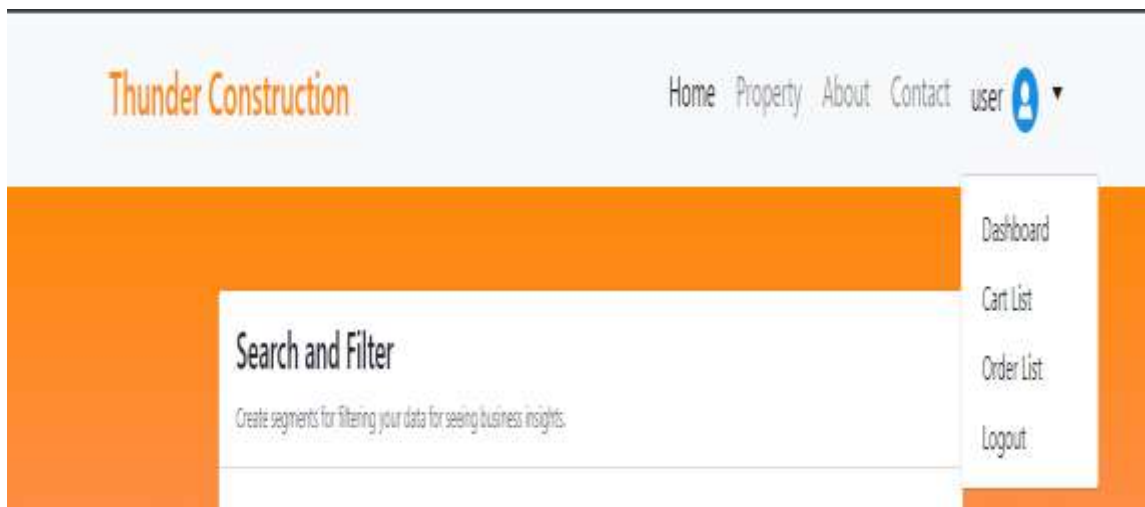


Fig 4..9.3: Search and filter



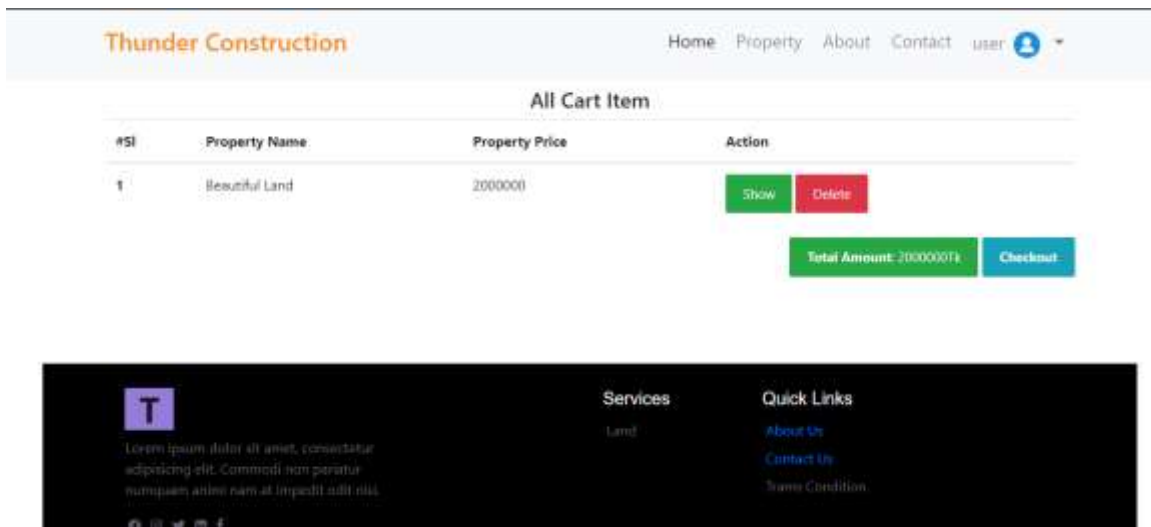


Fig 4.10: All cart item

Contact page is very important for collect the information of a tourist and users. I provide a contact form where Name, phone no, mail and message can be written. here also available with the author.

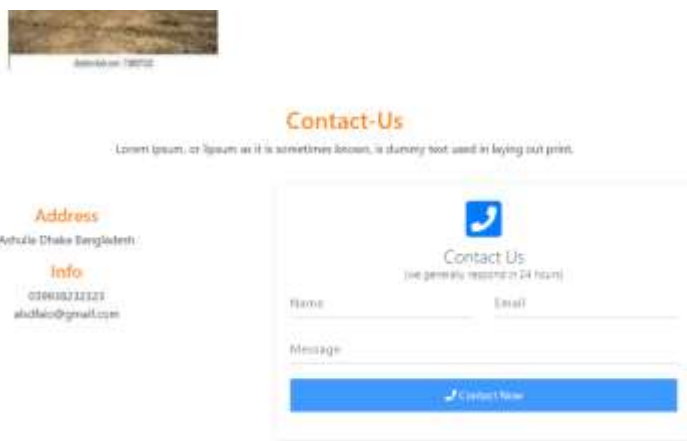


Fig 4.11: Contact page

### 4.1.2 User Registration and Log-in process.

Getting all service and information from this must be needed to be an authorized member. That's why every site has registration and log in process. from the home page corner, we get registration and log-in option. If user is the first time in our site, then firstly need to make and account by completing the registration.

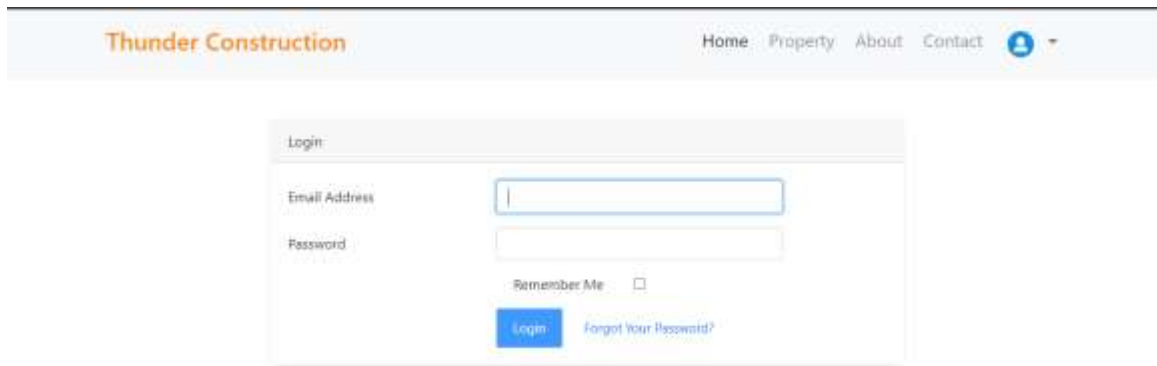


Fig 4.12: Registration form

For completing registration, here must need to fill the form, name email, phone no, address, city, country and for security purpose need to make a strong password. After completing registration then created an account. User can log in in our site now.

For log in need email address and password which is given in registration form.

### **4.1.3 User interface (After log in)**

After log in user entire in page which is dashboard. This is all about information and profile of a user. In dash board here user can see the payment history and other option for update the profile information.

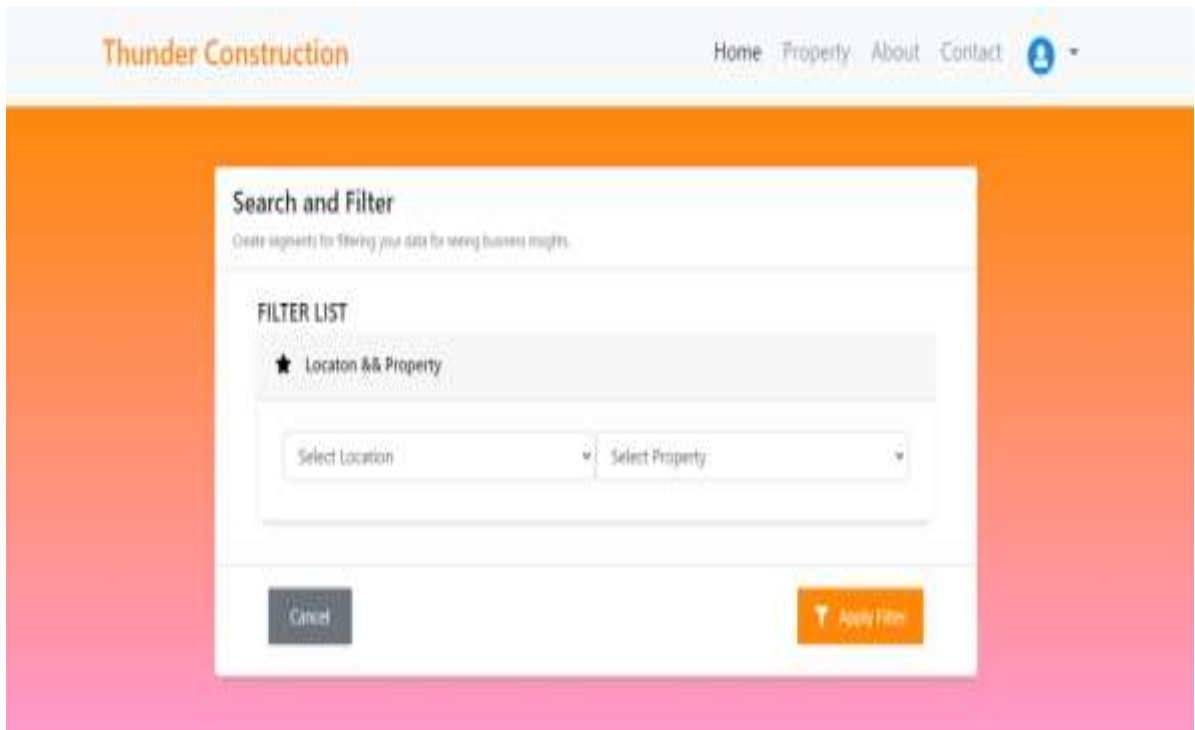


Fig 4.13.: User interface after log-in

Payment history provide the evidence and information of transaction for any land

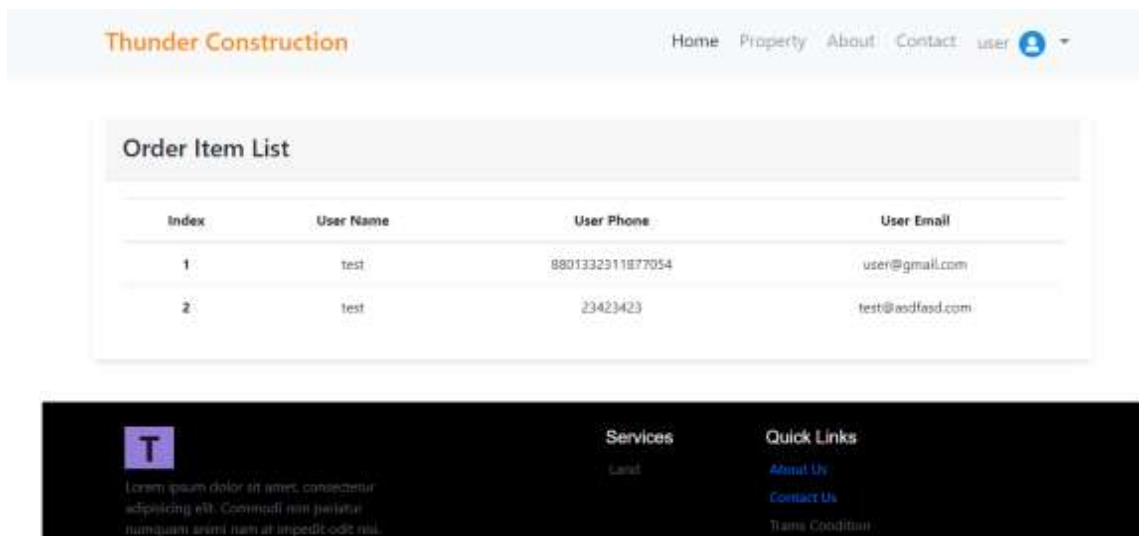


Fig 4.14 Payment history page.

Update profile is the option for update the information for all users by using registered account. Below we see it.

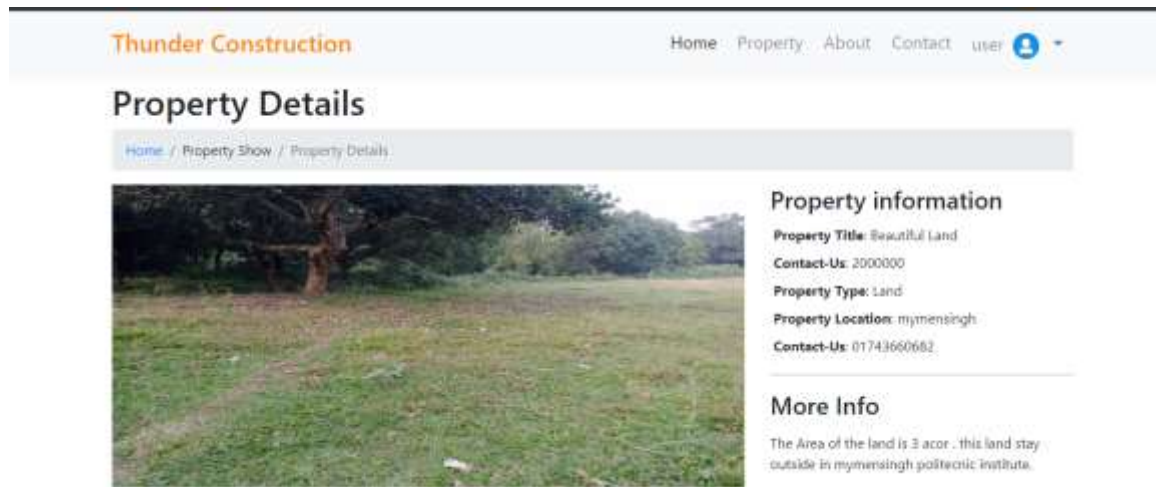


Fig 4.15: see Update property page.

Other option home, service, contact, pages all are same which is declared previously in the portion of user interface in 4.4.1 chapter.

There are no different her now any user can be booking the package and payment the bill now we discuss about this procedure next part of this interface.

#### 4.1.4 Land Booking and Payment System

We see the lot of featured land in front of screen in the home page. If any user is interested in this land, they can book it. Firstly, choose an option from the featured land and click on it. Then they see the land details like this image.

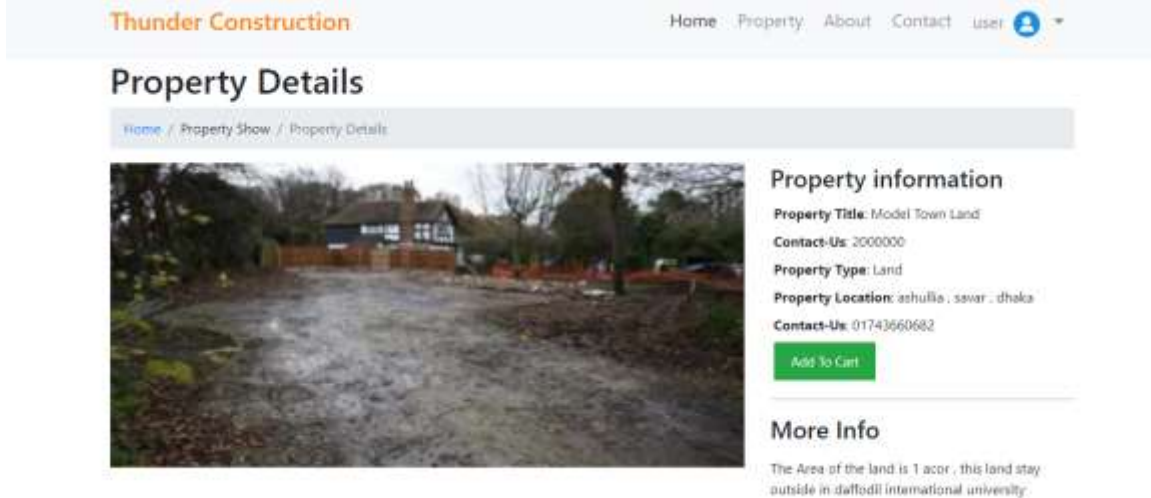


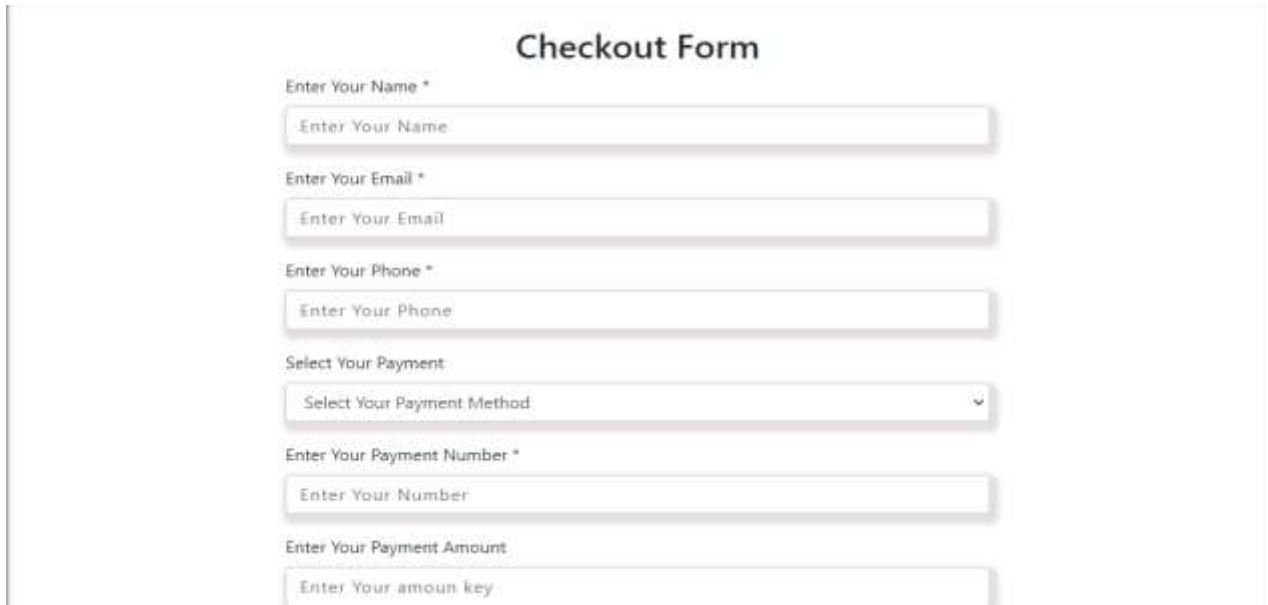
Fig 4.16: Land information and first step for booking.

Then they can see that package available or not. if package is available then last booking date show with green color. Then they check the booking money in total price section. In description part all the information is given briefly. If any tourist interest with this, then they can choose the number of person. this option helps you to choose the sit booking. Then need to click Book your seat. After click on it we see the next page like this image.



Fig 4.17.1: Booking land and pre step for payment.

Here we see that make payment option if we click on it down arrow sign then we get the multiple payment option and need to click customers preferred option.



The image shows a 'Checkout Form' with the following fields:

- Enter Your Name \* (Text input)
- Enter Your Email \* (Text input)
- Enter Your Phone \* (Text input)
- Select Your Payment (Dropdown menu with 'Select Your Payment Method' and a downward arrow)
- Enter Your Payment Number \* (Text input)
- Enter Your Payment Amount (Text input with 'Enter Your amount key' placeholder)

Fig 4.17.2: Payment process and complete booking step.

#### 4.1.5 Responsive Website.

Our web site is fully responsive and all electric device like mobile phone, tablet, computer is showing and response effectively on display. Here we added mobile phone over view.

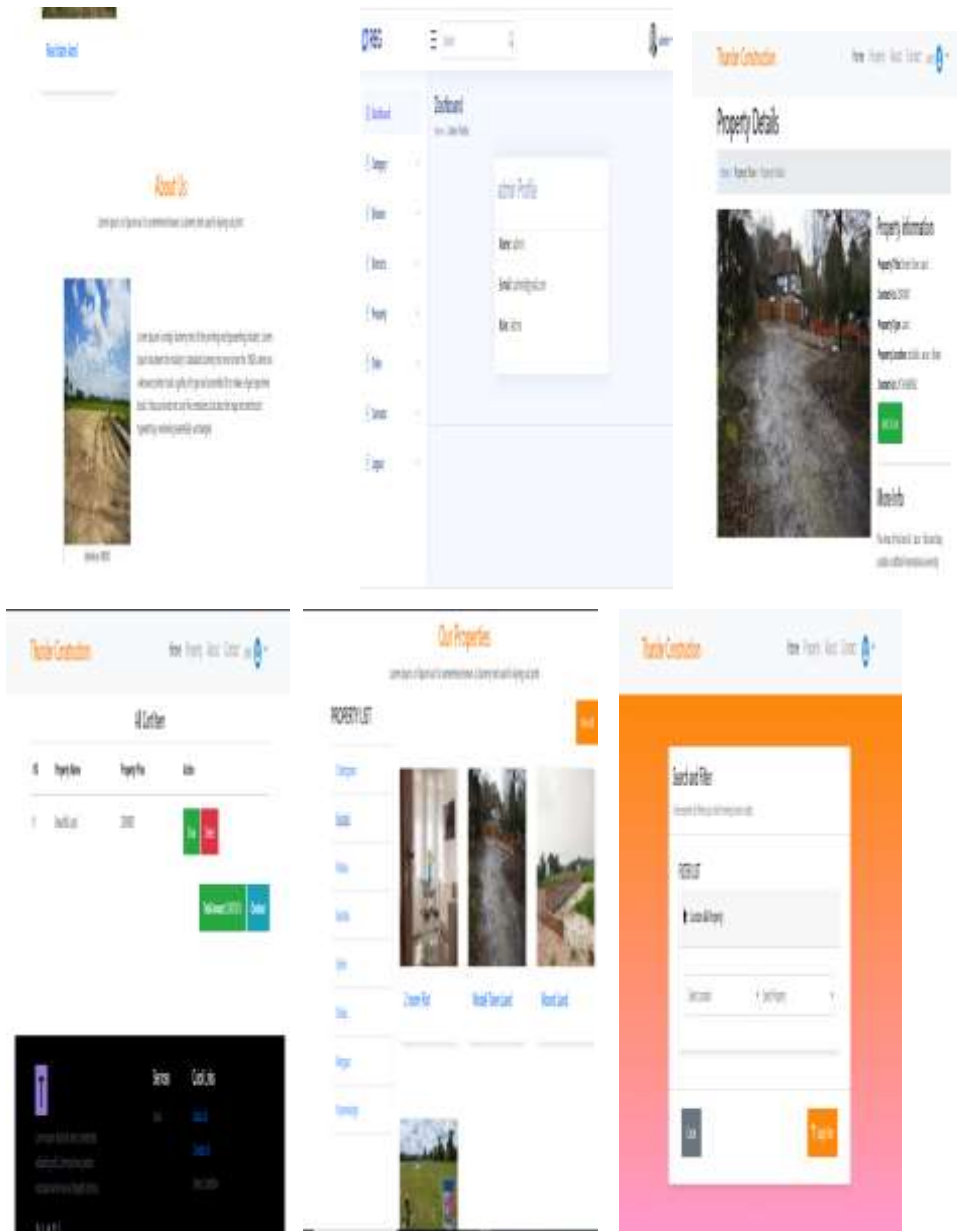


Fig 4.18: Mobile user interface view.

#### 4.1.6 Admin Interface.

Admin Interface is very important for author. Admin panel and agency company use it and updated all info dynamically. Firstly, here need to a log in approval for security purpose with email and password.

This portion is mostly secured and very important to maintain this site. Website all information which is published publicly from this. Here we get lot of option and next we describe it very briefly.

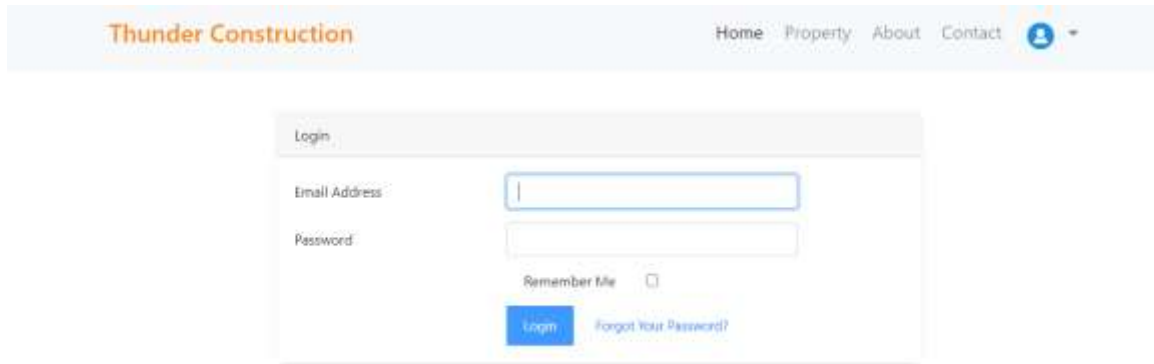


Fig 4.19: Admin log in page

After Admin log in we entire the Admin interface home page with multiple option. Firstly, we see the Dashboard of admin panel.

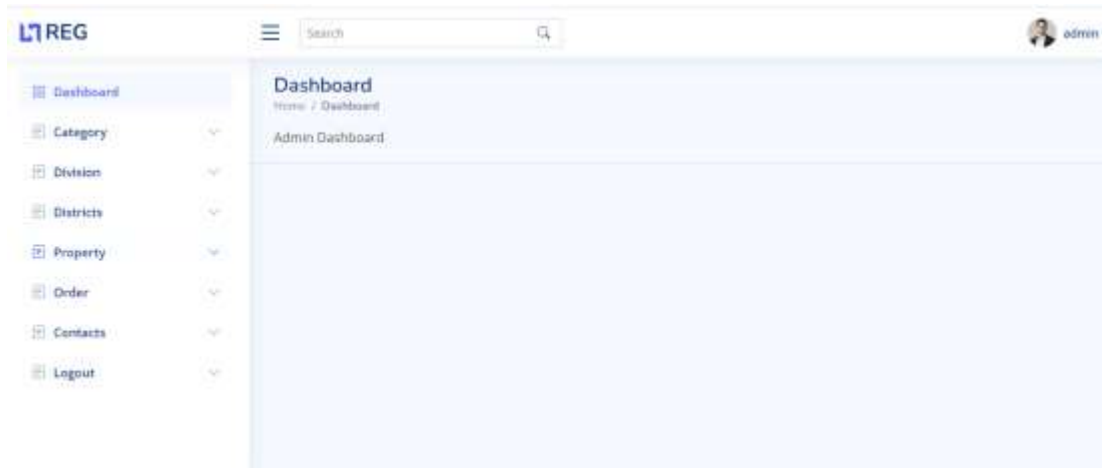


Fig 4.20: Admin log in page



This Dashboard shows the summary of the total management, we can see here total number of categories, news, Destinations, Package, Team Members, Clients, services, testimonial, Travelers, this shows the statistically view from beginning to present.

In the settings option here is multiple option for make the website useful. Logo, Favicon, General content, Email setting, News and Tours, Home page, Banner, payment this all info can be change in this part by the admin only. In this opportunity to upload the necessary image. For example, two of this sections image are added here.

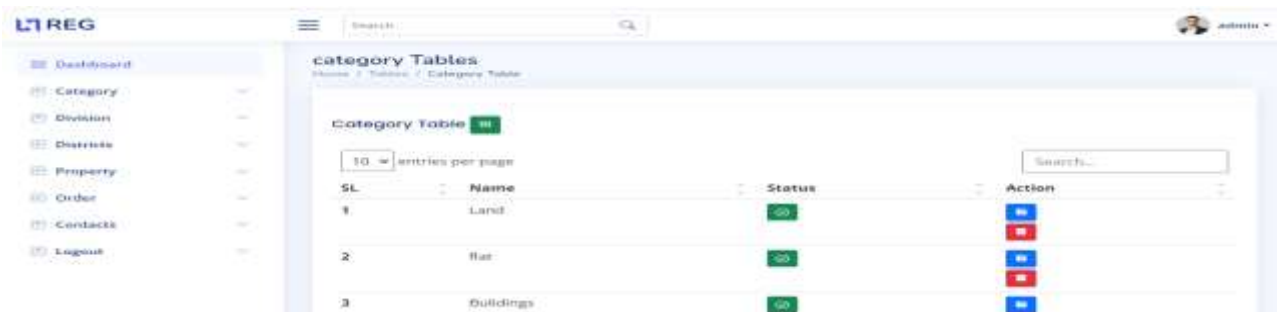


Fig 4.21: List of category

Similarly, if we want to change Banner of any pages this setting option have banner part then we upload our necessary banner as following image size for better view,

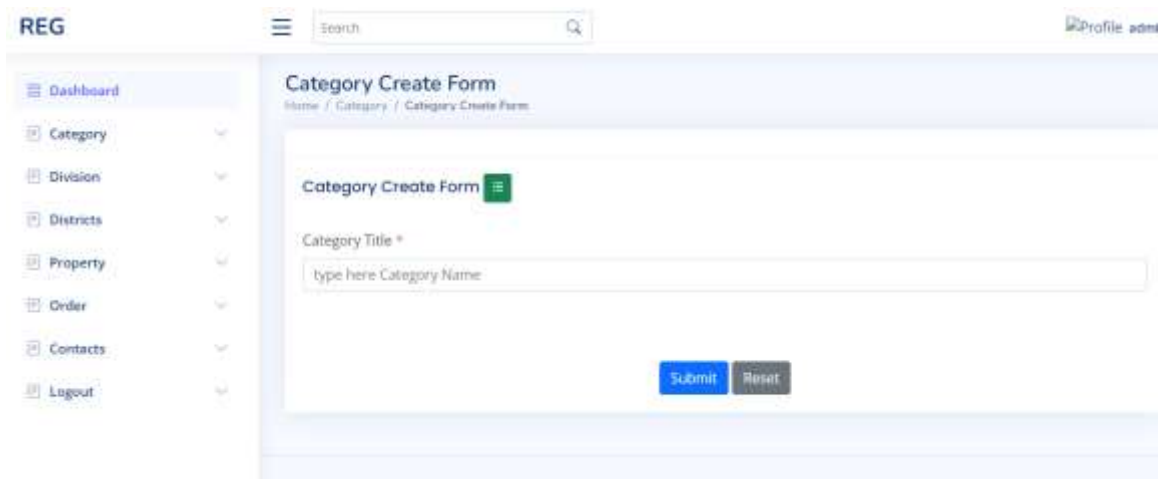


Fig 4.22: Create category

Next option is page where we can change the user interfaces various looking and information also. Home, About, FAQ, testimonial, News, contact, search, privacy, destination, team all edited section are available here.

SL	Name
1	Chattogram
2	Rajshahi
3	Khulna
4	Barishal
5	Sylhet
6	Dhaka
7	Rangpur
8	Mymensingh

Fig 4.23: List of division

Now we discuss about the travel section. Here admin can see the list of all traveler info who registers in this site, basically her all information showed and admin check it. after checking admin cans turn on status active. If information is not perfect then admin can account delete.

SL	Division Name	Name
1	Chattogram	Comilla
2	Chattogram	Feni
3	Chattogram	Brahmanbaria
4	Chattogram	Rangamati
5	Chattogram	Noakhali
6	Chattogram	Chandpur
7	Chattogram	Lakshmipur
8	Chattogram	Chattogram

Fig 4.24: List of district

Destination section is to add destination chart for tourist by admin. After adding admin can also view the details, can edit it and if necessary admin can delete the destination place.

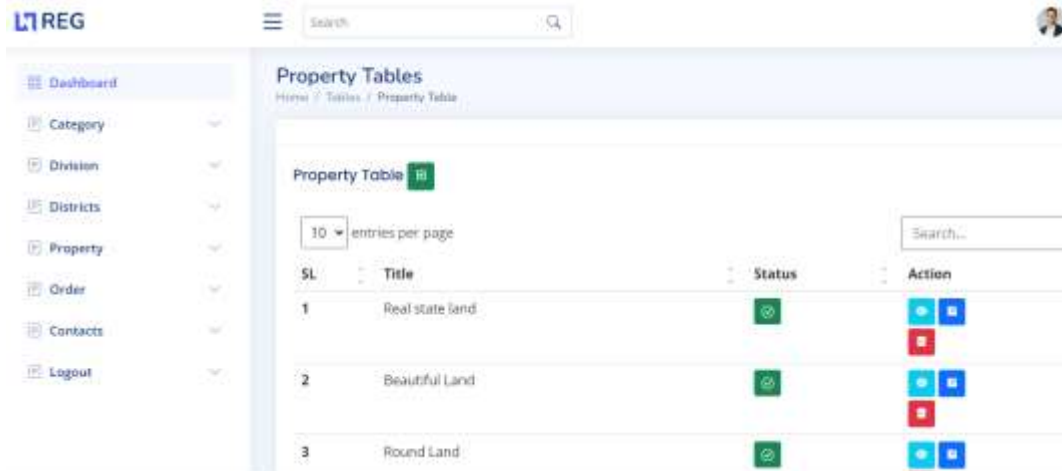


Fig 4.25: List of property 1

Package section is almost similar as destination here admin and event management author can organized the package with various offer and information are directly added from this section by an admin.

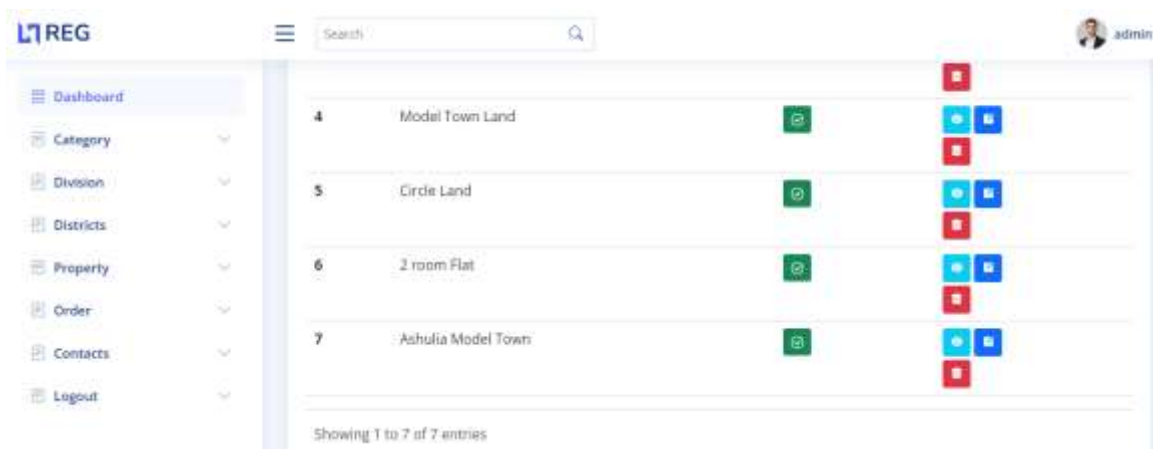


Fig 4.26: List of property 2

Next we get the section for news. For administration news section have 3 sub section one is categories, other is view news and left one is comment for requirement purpose.

REG Profile admin

Search

Indexing	User Name	User Phone	User Email	Action
1	test	8801332311877054	user@gmail.com	<a href="#">Successfully</a> <a href="#">View</a> <a href="#">Delete</a>
2	test	23423423	test@asdfsad.com	<a href="#">Unsuccessfully</a> <a href="#">View</a> <a href="#">Delete</a>

- Dashboard
- Category
- Division
- Districts
- Property
- Order
- Contacts
- Logout

Fig 4.27: Order list

Thunder Construction Home Property About Contact user

### Order Item List

Index	User Name	User Phone	User Email
1	test	8801332311877054	user@gmail.com
2	test	23423423	test@asdfsad.com

**T**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Commodo non pellentesque nuncquam aram nam at imperdiet odo nisl.

**Services**

Land

**Quick Links**

[About Us](#)  
[Contact Us](#)  
[Terms Condition](#)

Fig 4.28: News section (view comment)

Dashboard

Category

Division

Districts

Property

Order

Contacts

Logout

### Contact Tables

Home / Tables / Contact Tables

Contact Table

10 entries per page Search...

SL	Name	Email	Message
1	test	user@gmail.com	asdfsadfdf

Showing 1 to 1 of 1 entries

Fig 4.29: Contact table

These three parts of news are help out to make a news report about tourism and we can update or newly make it and see the comment and edit the categories.

Subscriber is the other option in admin panel. Here we can get the all-subscriber email details and if necessary, admin and event management and agency can send email via this info. So here we have two sub part one is All subscriber and other is send email to subscriber .in below we added about two part of subscriber.

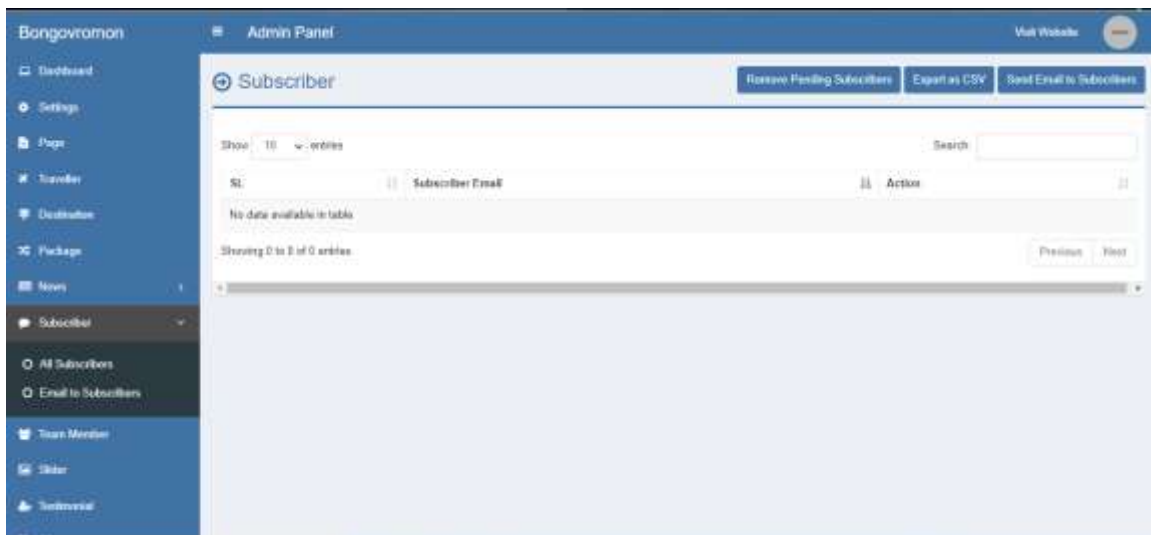


Fig 4.30: List of contact

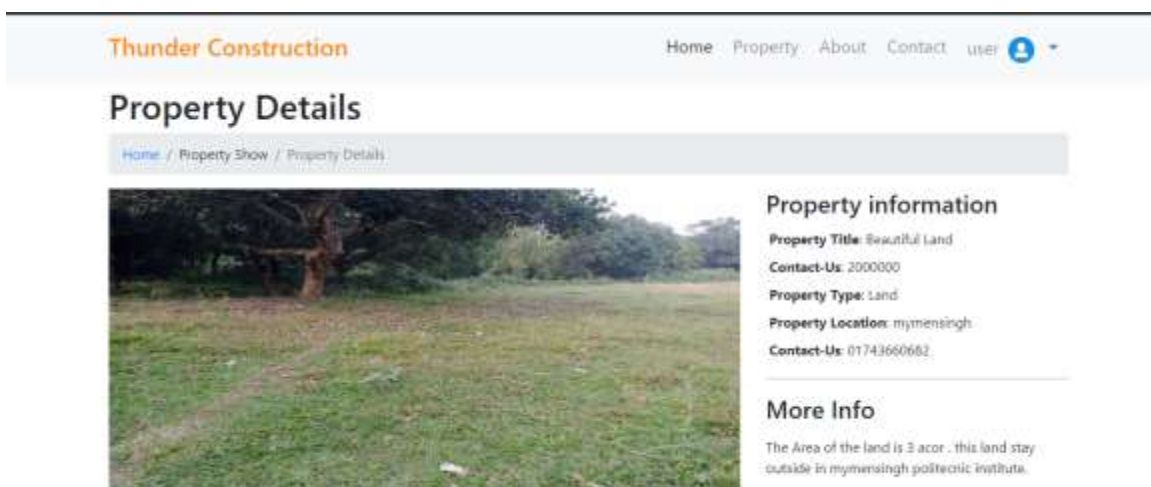


Fig 4.31: Cart list show

Team member means who are working about it here we can added our team members info and designation also. If necessary we can added here delete and edit also acceble by admin.

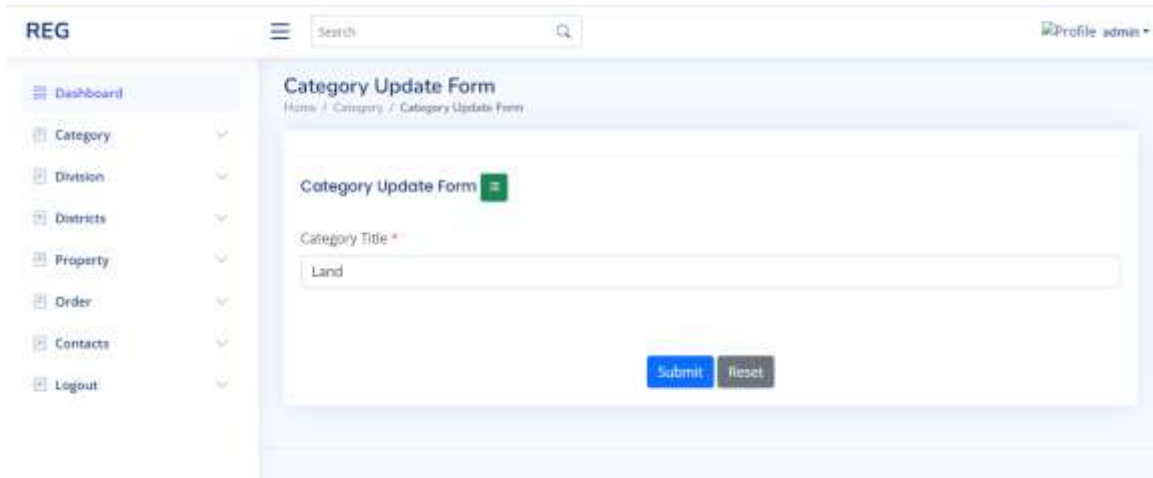


Fig 4.32: Update category

In home page user can see the natural beauty or event related image which randomly changed and sliding. This section is added from here if need we can change the slider image also can add more or delete.

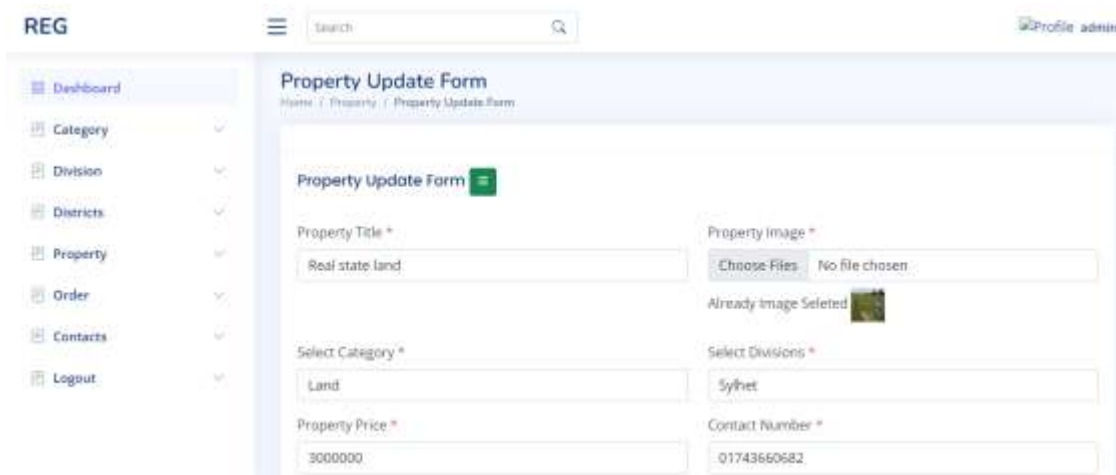


Fig 4.33: Edit property

Testimonial is the section where people can give positive feedback and this all will show in the front of user front and people can see and get the inspiration to make a trip with using our website.

The screenshot shows a 'Property Create Form' with the following fields and options:

- Property Title \***: Input field with placeholder 'type here Property Title'
- Property image \***: File upload area with 'Choose Files' button and 'No file chosen' text
- Select Category \***: Dropdown menu with 'Select Category' text
- Select Divisions \***: Dropdown menu with 'Select Divisions' text
- Property Price \***: Input field with placeholder 'type here Property Price'
- Contact Number \***: Input field with placeholder 'type here Property Phone'
- Property Location \***: Input field with placeholder 'type here Property Location'
- Property Body \***: Rich text editor with a menu (File, Edit, View, Insert, Format, Tools, Table, Help)

Fig 4.34: Add property

Client is section where we can add the all customer information which are our premium or regular satisfied member and admin can add or delete from this chart as client.

The screenshot shows the 'category Tables' section with a table of categories. A yellow notification banner at the top reads 'Category Status Change successfully'. The table has the following data:

SL	Name	Status	Action
1	Land		
2	flat		

Fig 4.35: Change category

## 4.2 Back-end Design

Working in the backend is the life of the project. in this project and making this platform this is our MY SQL database for the “thunder construction” web application. We create a database that name is ‘real state site ‘then we create our necessary table.

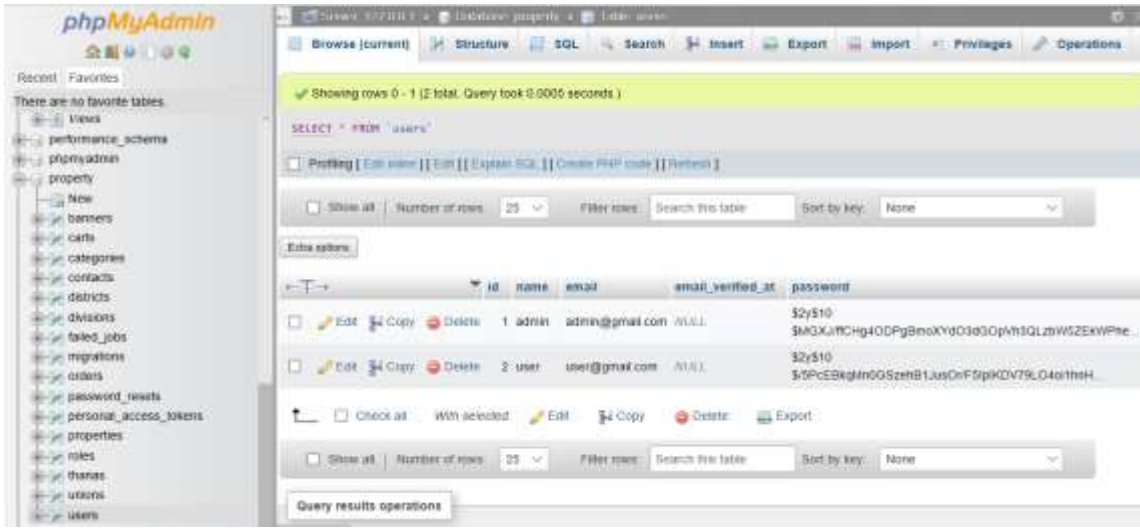


Fig 4.36: User table

In this category table where we can store the data of categories section element like name, title, banner etc.

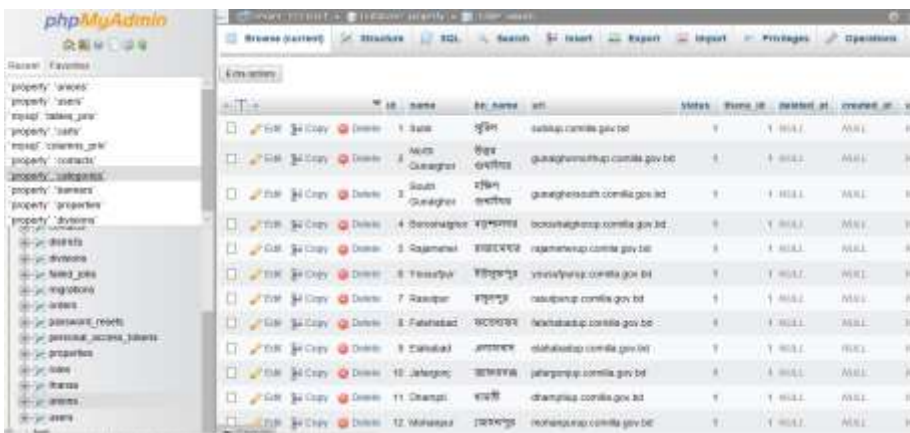


Fig 4.37: Union table



In client table we can store the client information like name, image, etc.

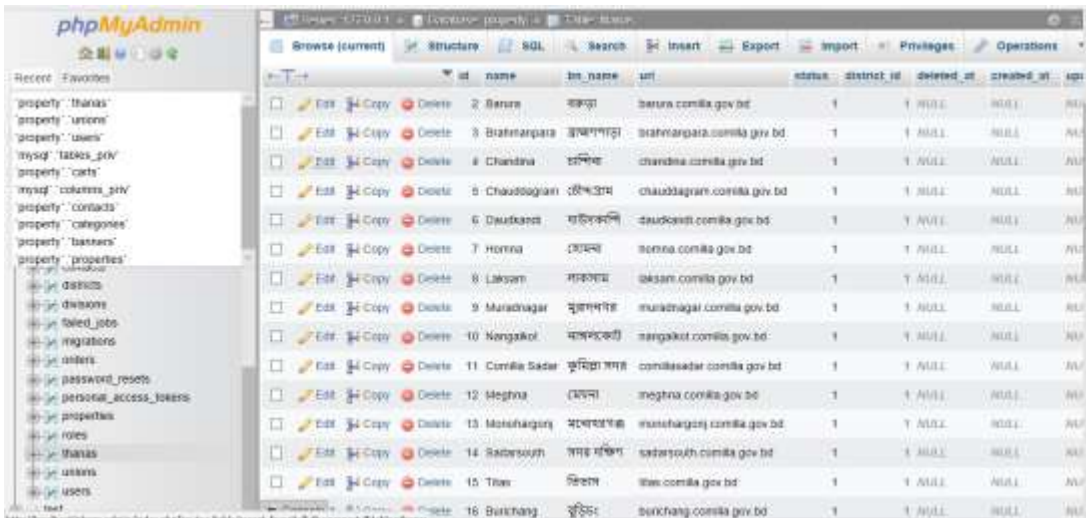


Fig 4.38: Thanes table

Comment table provides database of code body and main code.



Fig 4.39 Roles table

Destination table, we store the destination sections all data like destination place name, image, heading etc

property_id	title	body	division_name	image	category_id
2	Model Town	the land is 2 acre this land stay...	Rajshahi	property/image/NSRktdtg5r76k7XJls.jpg	2
3	2 room flat	the Area of the flat is 1 sotangru and include...	Khulna	property/image/yH2m2BsjpmkTpCyd3.jpg	2
4	Circle Land	The Area of the land is 50 acre this land at...	Dhaka	property/image/ehko23SP6EwT9m03.jpg	2
5	Model Town	The Area of the land is 1	Dhaka	property/image/wic0k9Xb7VLE0REh.jpg	2

Fig 4.40: Properties table

FAQ table for storing the fan question and answer.

id	name	email	phone	user_id	payment_name	payment_number	amount
1	test	user@gmail.com	8801332311677054	2	islam	23252	232232
2	test	test@asfood.com	23423423	2	islam	4214234234	2332

Fig 4.41: Order table

News table stored the news section all data like content, date, photo banner etc.



Fig 4.42: Migration table

In package table we stored all the packages data

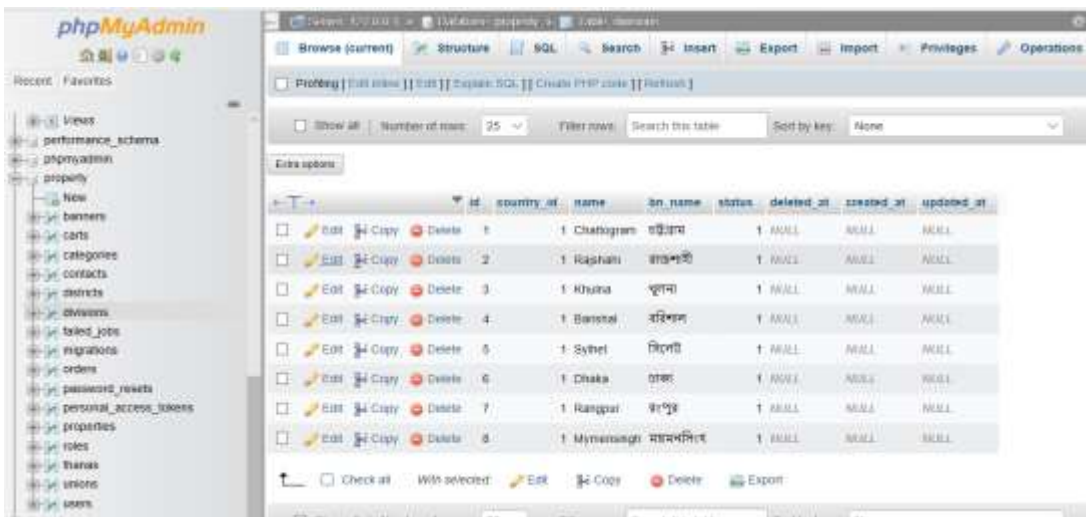


Fig 4.43: Division table

Package photo table stored all the package image in our database.

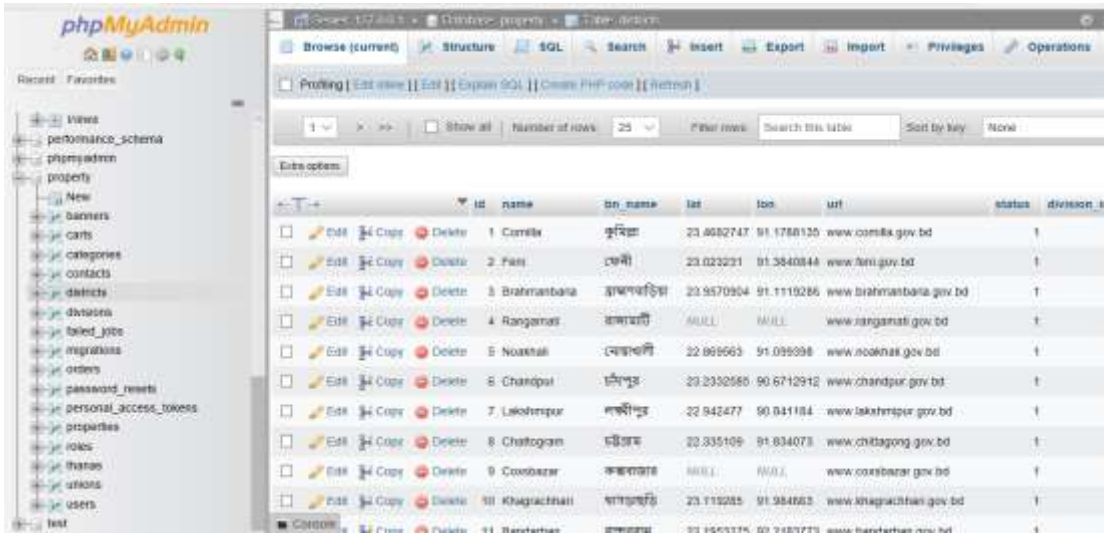


Fig 4.44: Districts table

Package video table stored all the package video in our database.

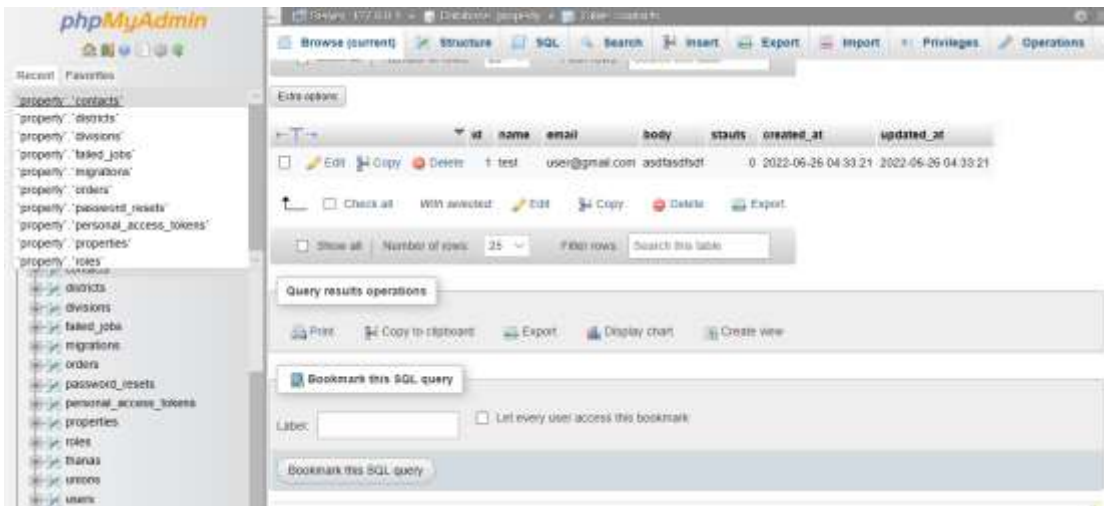


Fig 4.45: Contact table

Page table contains the multiple page's data in our database which we can see in pages' section of interface.

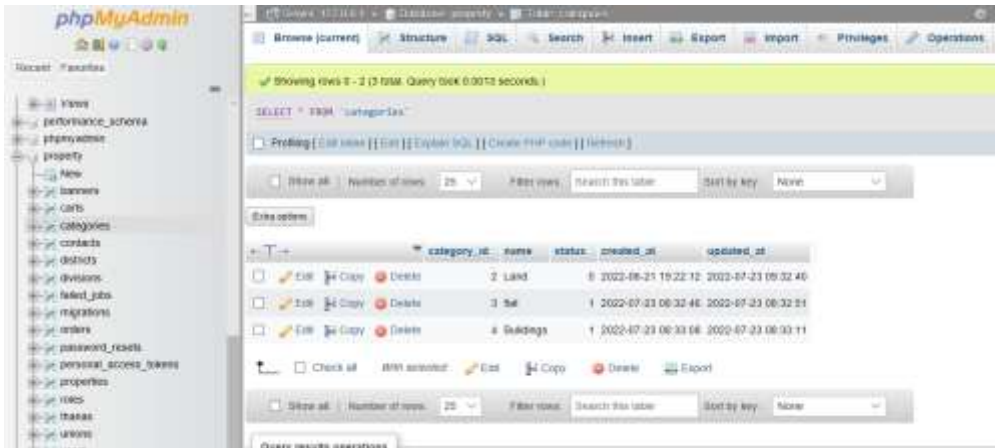


Fig 4.46: Category table

Payment table stored the all data of payment and transactions related issues.

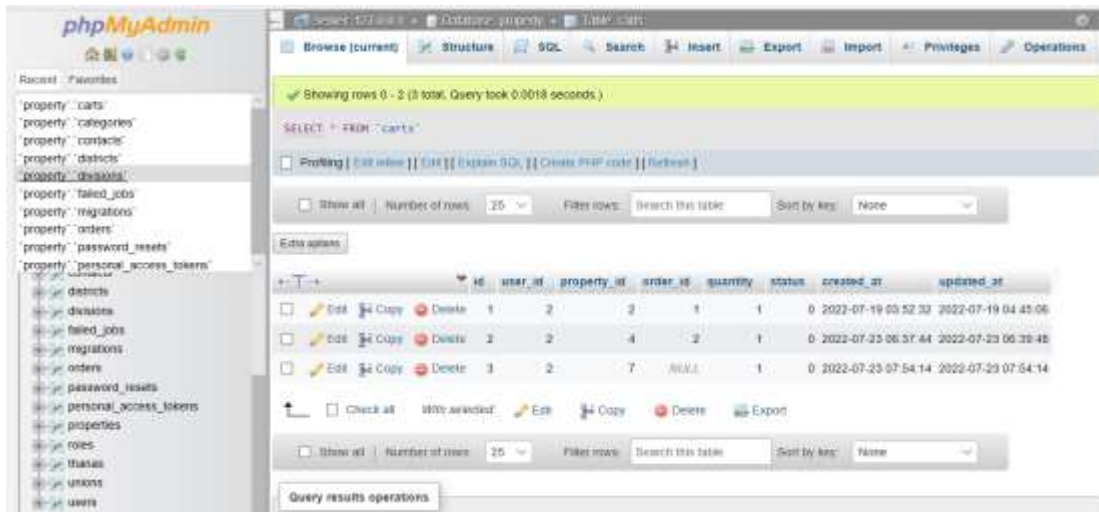


Fig 4.47: Payment table



Service table stored all the data of services section like food, cottage, agency information.

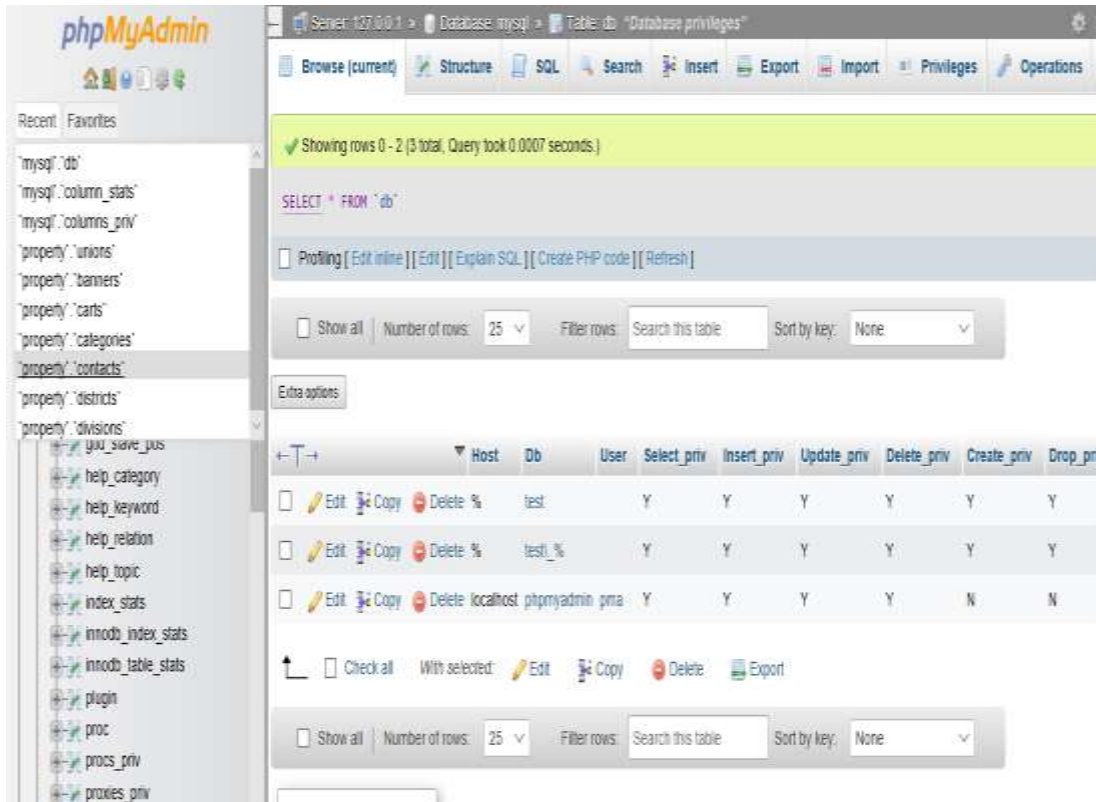


Fig 4.48: Database table

### 4.3 Interaction Design and User experience (UX)

For users controlling and finding the required information and package also contacting management by using this website interaction design is more important. Here we created a dynamic look in designing so that all of our services can be friendly and users don't bore any time. Experimentally we used it with the help of my friends and family. They feedback us positively, and all experimental users are fully satisfied by our user-friendly website.

## 4.4 Implementation Requirements

So that this a dynamic project and have a lot of featured and issue here need a lot of requirements. We try to fill up all necessary and make it a satisfying website for all. Below we are pointing out all the requirements.

- This whole Backend system should be developed by PHP.
- For keeping and managing all the data, I used the MYSQL database system.
- In this project, the CSRF token is protected by SQL injection.
- Validating all forms and blank information on the user side, we use PHP.
- XSS (cross-site-scripting) attacks protected.
- PHP framework LA ravel is using make a dynamic system.
- Illegal people or unauthorized company's access should be prevented in a proper way.
- In the frontend section, basic parts are implanted by HTML5.
- CSS3 using for outstanding-looking design.
- JavaScript should be used in minor times in the system.
- Invalid data or messages should be warned by the process.
- All the database queries should work properly.

## CHAPTER 5

### Implementation And Testing

#### 5.1 Implementation of Database.

In our project, html, css, JavaScript, bootstrap used for frontin operation. php Laravel latest version is the framework used for the implementation of backend operations. We create all of the tables by using a framework except for some table which is created manually. We can use our databases by the MYSQL server from the XAMPP control panel and visiting <http://localhost/PHPMYAdmin/>.

#### 5.2 Implementation of Front–end Design.

To make the front design is very beautiful and user attractive, this our one of the important challenges and generally a primary goal. For that, we are trying to build up our website and keep the website as normal we can though we have a lot of features. And another challenge is to make the website responsive to all of the electric devices like smartphones, tablets, computers, notebooks, etc. Bootstrap is used for the multiple sections and try to all the section and maintain the responsive code formula. JavaScript is used to ensure user-friendly interaction. Our front design should be followed by this step:

- we are Trying to keep a simple and attractive home page.
- in our website All options and features should be understandable.
- User- can easily registration and log-in process.
- Attractive and informative card, carousal, and bootstrap theme used here.
- in this project Easy way to visit multiple options and filter easily.

#### 5.3 Testing Implementation

For all of our projects, testing is the most important as developing. By testing, we can easily get feedback the website work properly or not. Our expected presentation this website given by following the testing result then we can determine that what should we do for the better performance. So, we have performed testing by implementing some major test cases for our system, and for this, we can improve.



## 5.4 Test results and reports.

Test Result and Reports Is Given Below-

Table 5.1: Test data and type

<b>Table No</b>	<b>Description</b>	<b>Text data</b>	<b>Expected result</b>	<b>status</b>
01	User log in	Email password	With valid registered data entire home page	Pass
02	User view land/site's information	Select option Make confirm	Can view Add to cart	Pass
03	User payment	Account info	Payment successful	Pass
04	User transaction	Go to payment info	Can view	Pass
05	Admin log in	Email password	Entire in your admin interface.	pass
06	Create package	Import valid info	Make a portfolio	Pass
07	Hosts/admin approved	Verified by admin	Approved confirmation	Pass
08	Transaction	Can preview	Editable all info	Pass

## **CHAPTER 6**

### **Impact On Society, Environment and Sustainability**

#### **6.1 Impact on society**

Worldwide have a lot of real-state/construction site. If anyone wants to make a buy/sell/reshape home with, then need to contact physically, which is a lengthy and hard issue to go to their agency office. By using our thunder construction website, anyone can buy/sell/construct land/home reshape etc. from home. We have a lot of features, including an online payment system that helps get rid of all pressure about sell/buy land and reshape home etc. in a very easy way.

In our society many people are very much interested in buy/sell land and reshape home, so this website makes a good impact on our society.

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

Nowadays, everything turns into an online platform for time savings. That's the reason we need to make this type of platform that provides all the services and advantages by using only one platform. We hope our guidelines and support make a positive impact on our environment.

#### **6.3 Ethical Aspects**

In this society, sometimes we get the news that any fraud people and agencies don't make a friendly situation and sometimes it occurred an unexpected situation. But our website maintains high security where the admin panel is all-time monitoring it and fixes the problem if it exists—no opportunity to break the ethical issues. So, the chances of an unethical problem are very low.

#### **6.4 Sustainability plan**

When it is professionally used by the general user, then the sustainability increases day by day. If necessary, we will have added more and more featured. The advertising fee maintains in a smart way, and it must be under the ideal range of money. So hopeful about it.

## **CHAPTER 7**

### **Conclusion And Future Scope**

#### **7.1 Discussion and Conclusion**

We are trying to make a construct-friendly online system that can be used by all industrialized, company and other people. We support them with our dynamic capacity by our website, and it provides the people more comfortable with Buying or selling with the help of the website and Maintains rules. industrialized and employers, all types of people get a lot of advantage by our website. In our future life, this will be more impactful for various types of people. It can be made jobholders from jobless people because it is a free opportunity to make an sell/buy apartment on the basis of our website. So, working place can be made, and general users can use this more user-friendly platform. After all, we can say that admin, agency, buyer, and seller general users can make collaborate with each other by this website.

#### **7.2 Future Scope**

This project also has a lot of future scopes because every project has some limitation; now we pointing to future scope,

- In the future, we will add a live chat option to contact each other.
- We update more features and packages.
- Admin section will be more dynamic and feature-rich.
- For more easy use in the smartphone, we can convert it into an android application.
- User account creation and management will be more useful in the future.

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