

ONLINE HOSTEL RENTAL AND MANAGEMENT SYSTEM

SOFTWARE ENGINEERING COURSE PROJECT REPORT

Submitted by

Amaan A. Kazi 201000003

Mohd. Meraj - 201000031

Suyash Kumar Sinha - 201000053



**Dr. Shyama Prasad Mukherjee International Institute of
Information Technology, Naya Raipur**

Dec-2022

Table of Contents

S.No.	Title	Page No.
1.	Introduction	4
	1.1 Purpose of the system	4
	1.2 Project Profile	5
2.	Target Audience	6
3.	The Scope of the Work	6
	3.1 Existing System	7
	3.2 Need For New System	7
4.	Specific Requirements	8
	4.1 Functional Specification	8
	4.1.1 User Specifications	8
	4.1.2 Module Specifications	9
	4.2 User Interfaces	10
	4.3 Hardware Requirements	11
	4.4 Software Requirements	12
5.	System Design	13
	5.1 System Flow Chart	14
	5.2 E-R Diagram	15
	5.3 UML Diagram	16
	5.3.1 Use Case Diagram	17
	5.3.2 Activity Diagram	18

	5.3.3 Class Diagram	19
	5.3.4 Sequence Diagram	20
	5.4 Data Dictionary	21
	5.5 Input Design	25
	5.6 Output Design	37
6.	Testing	40
7.	Post Implementation Review	43
8.	Future Enhancement	44
9.	Bibliography	45

1. Introduction

The Hotel Management and Rental System is a tool for booking the rooms of Hotel through online by the Customer and also renting rooms by the owner. It provides the proper management tools and easy access to the customer information.

1.1 Purpose Of The System

This Hostel Management and Rental System Software Requirement Specification (SRS), the main objective is to provide a base for the foundation of the project. It gives a comprehensive view of how the system is supposed to work and what is to be expected by the end users. Client expectations and requirements are analyzed to produce specific unambiguous functional and non-functional requirements, so they can be used by a development team with a clear understanding to build a system as per end-user needs.

This system is designed in favor of the hostel management and rental of hostel rooms through online methods, which helps them to save the records of the students about their rooms and other things and also makes it easier for them to book the hostels. It helps them from the manual work from which it is very difficult to find the record of the students and the mess bills of the students and the information about those who had left the hostel three years before. This system automatically calculated all the bills and issued notifications for those students who were against some rule.

1.2 Project Profile

Project Name	Online Hostel Rental Management System
Objective	The objective is to create a platform with the following features: <ul style="list-style-type: none">● Students can search for hostels.● Owners can easily list their hostel.● Well-managed and organized data of the listings.● Administrator privileges to add/update/delete listings.
Platform	Website
Front End	HTML, CSS, Embedded JavaScript
Back End	Microsoft SQL Server, NodeJs
Other Tools	XAMMP,
Project Duration	60 days

2. Target Audience

The target audience of the system are the students and their parents looking to book or rent the hostel rooms and the hostel owner who can list the hostels online.

Users are the people looking for :

- Accommodations in hostels nearby the city and their study centers
- A platform to search hostels based on prices or locations or ratings.

Hosts are people who have spare rooms or property available for rental. This audience may choose to use the platform for two reasons:

- They want to earn income from their available space
- They want to provide the students with a local stay.

This Software Requirements Specification is primarily intended for all project developers associated with this project. Users, testers, and other parties that have an interest in this project can also use this document to gain a better understanding of the software. This Specification is organized into sections that can be read and referenced as needed.

3. Scope of the System

The proposed system for the “HOSTEL MANAGEMENT AND RENTAL SYSTEM” is computerized. Today is the era of computers. This software project solves all the problems discussed above in the present system. The main objective of developing this project is to save time and money. The proposed system provides the following features for different tasks.

- All the details related to a hosteller can be found in one place, like the admission details, fee details, room details, attendance, mess details, stipend details, etc.
- It will monitor student moment and stock details easily.
- The same application could be used by both the account section and the hostel management for their specific needs and purposes.

3.1 Existing System

- The current hostel rental systems are mostly manual.
- The majority of the hostels are not listed on the online platforms.
- The platform that lists hostels only provide basic details like contact information of owners location.
- Whole management of the hostel is done offline and manually that creates lot of chaos and wastage.

3.2 Need for New System

- Existing manual rental systems lacks transparency that create confusion for people looking for hostels.
- Need more number of hostels to be listed on the platform.
- Other than the owner's contact information, the hostel's details are also needed for newcomers.
- Hassle free and smooth management of hostel occupants that is achieved by making a online platform .

4. Software Requirements

4.1 Functional Specifications

A functional requirement defines a function of a system or its component, where a function is described as a specification of behavior between inputs and outputs. The behavior between various users and modules of the system is defined in the following document.

4.1.1 User Specification

1. Host

- This type of user is the person who will benefit from the platform.
- Host will be able to list the hostel on the platform.
- Host will be able to get the most optimized price.

2. Seeker

- This is also the type of user is the person who will benefit from the platform.
- Seeker will be able to filter according to the price determination features on the platform.
- Seeker will be able to get the most suitable hostel at a reasonable price.

3. Admin

- Admin will be able to enter price determination features on the platform.
- Admin will be able to access the database.
- The admin user type can change the platform's interface.

4.1.2 Module Specifications

- **Search Hostels:**

The user can search and view all the available options of hostels that are listed on the platform.

- **List Hostels:**

The host or admin can list the hostels on the platform along with all the necessary details, such as location pricing and images of the listing.

- **Edit Listing:**

The host or admin can update the information about the listing.

- **Delete Listing:**

The host or admin can delete the listing.

- **Book Hostel:**

The user can book the listed and available hostel.

- **Payment gateway:**

The user can make payments for bookings.

- **View Booked Listing**

The user can view the booked listings and details about the payments processed.

4.2 User Interface

Since there are three types of users, there are three types of user interfaces, and those are;

- Administration interface
- User Interface
- Host interface

4.3 Hardware Requirements

Client side:

RAM	512 MB
Hard disk	10 GB
Processor	1.0 GHz

Server side:

RAM	1 GB
Hard disk	20 GB
Processor	2.0 GHz

4.4 Software Requirement

Client side:

Web Browser	Google Chrome v5.0 or equivalent
Operating System	Windows XP and above or any equivalent OS
Processor	1.0 GHz

Server side:

Web Server	IIS 10.0 v1809
Framework	Visual Studio .Net Framework (Minimal for Deployment)
Database Server	MS SQL Server 2008
Web Browser	Internet Explorer 10 or any compatible browser
Operating System	Windows Server 2015

5. System Design

System design is the process of designing the elements of a system such as the architecture, modules and components, the different interfaces of those components and the data that goes through that system.

The goal of system design is to allocate the requirements of a large system to hardware and software components. The system design activity starts after the system requirements analysis has been completed.

5.1 System Flowchart

System flowcharts are diagram type that shows you the flow of data and how decisions can affect the events surrounding it. Like other types of flowcharts, system flowcharts consist of start/end terminals, processes, and decisions, all connected by arrows showing the flow and how data moves in the flow.

Fig 1 shows the System Flowchart for Online Hostel Rental and Management System.

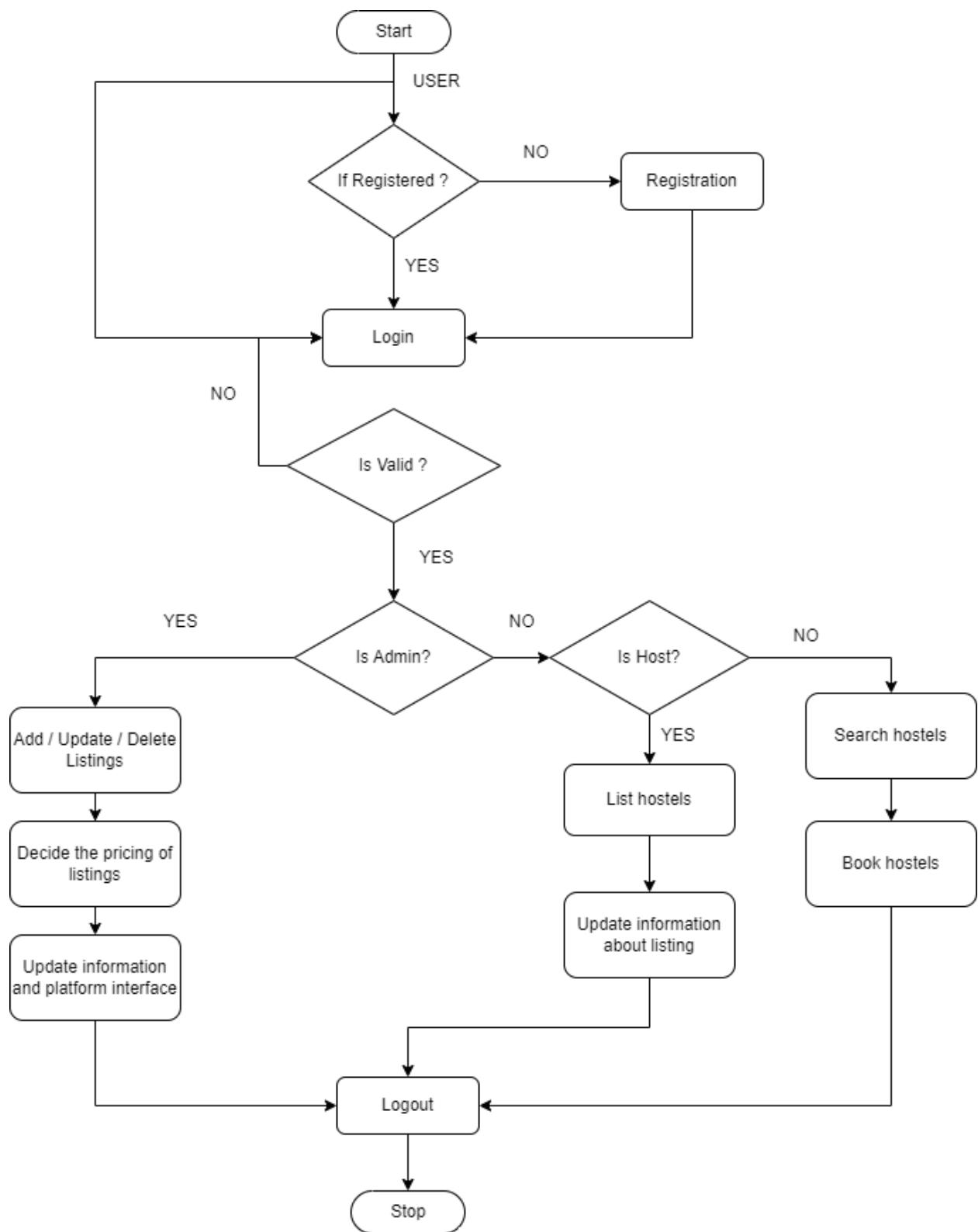


Fig 1: System Flowchart for Online Hostel Rental and Management System

5.2 ER Diagram

An entity relationship diagram (ERD), also known as an entity-relationship model, is a graphical representation that depicts relationships among people, objects, places, concepts, or events within an information technology (IT) system. An ERD uses data modeling techniques that can help define business processes and serve as the foundation for a relational database.

Fig 2 shows ER Diagram for Online Hostel Rental and Management System

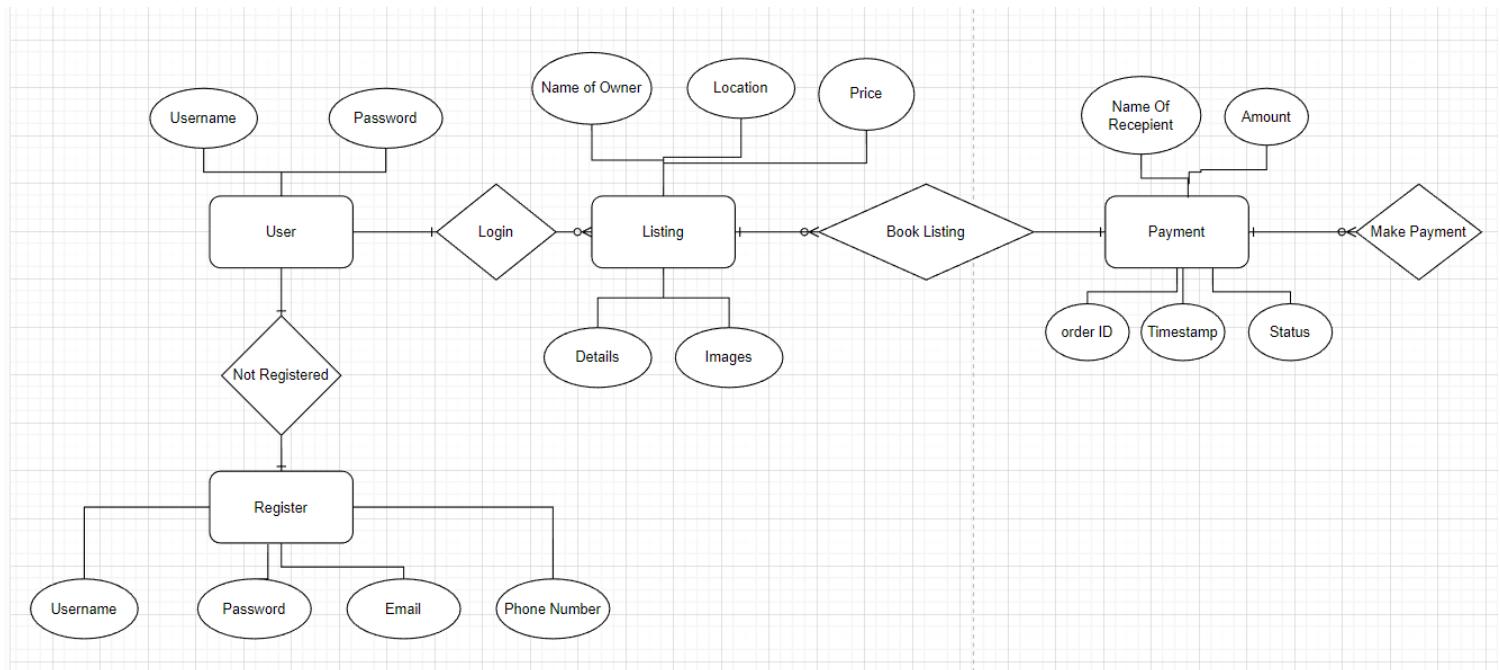
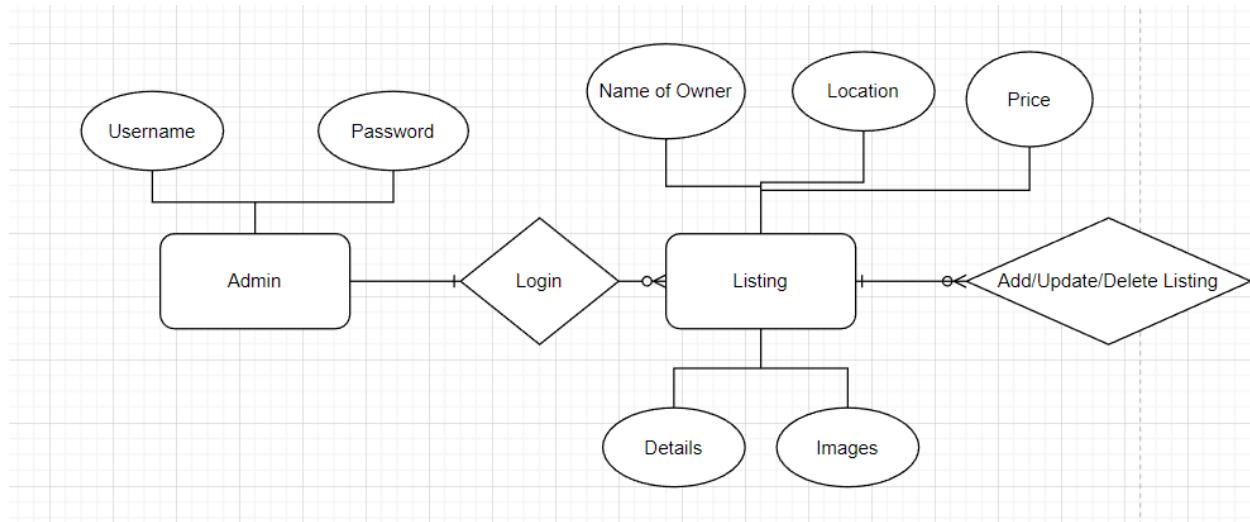


Fig 2: ER Diagram for Online Hostel Rental and Management System

5.3 UML Diagram

UML is an acronym that stands for Unified Modeling Language. Simply put, UML is a modern approach to modeling and documenting software. In fact, it's one of the most popular business process modeling techniques.

It is based on diagrammatic representations of software components. As the old proverb says: "a picture is worth a thousand words". By using visual representations, we are able to better understand possible flaws or errors in software or business processes.

The primary goal of UML is to define some general-purpose simple modeling language so that all modelers can use and understand it. UML is not a development method rather it accompanies processes to make a successful system.

5.3.1 USE CASE DIAGRAM

Use case diagrams are used for scenario-based modeling. It shows the interaction between the user and the system and how it leads to the specific sequence of activities when a process of software is used. Fig 3 shows the use case diagram of Online Hostel Rental management System, where user, Hostel owner, and Administrators are its actors.

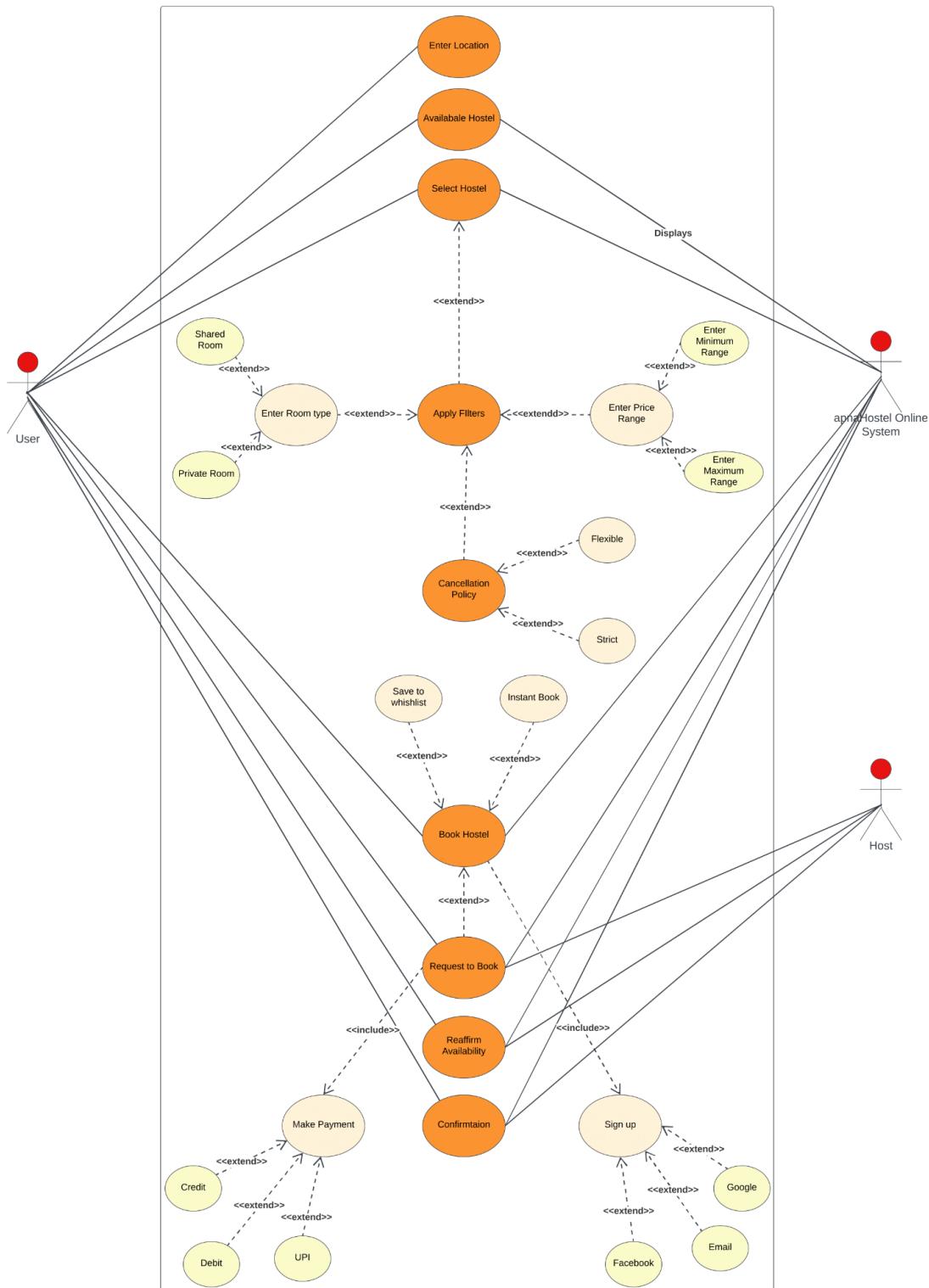


Fig 3: Use case Diagram for Online Hostel Rental and Management System

5.3.2 Activity Diagram

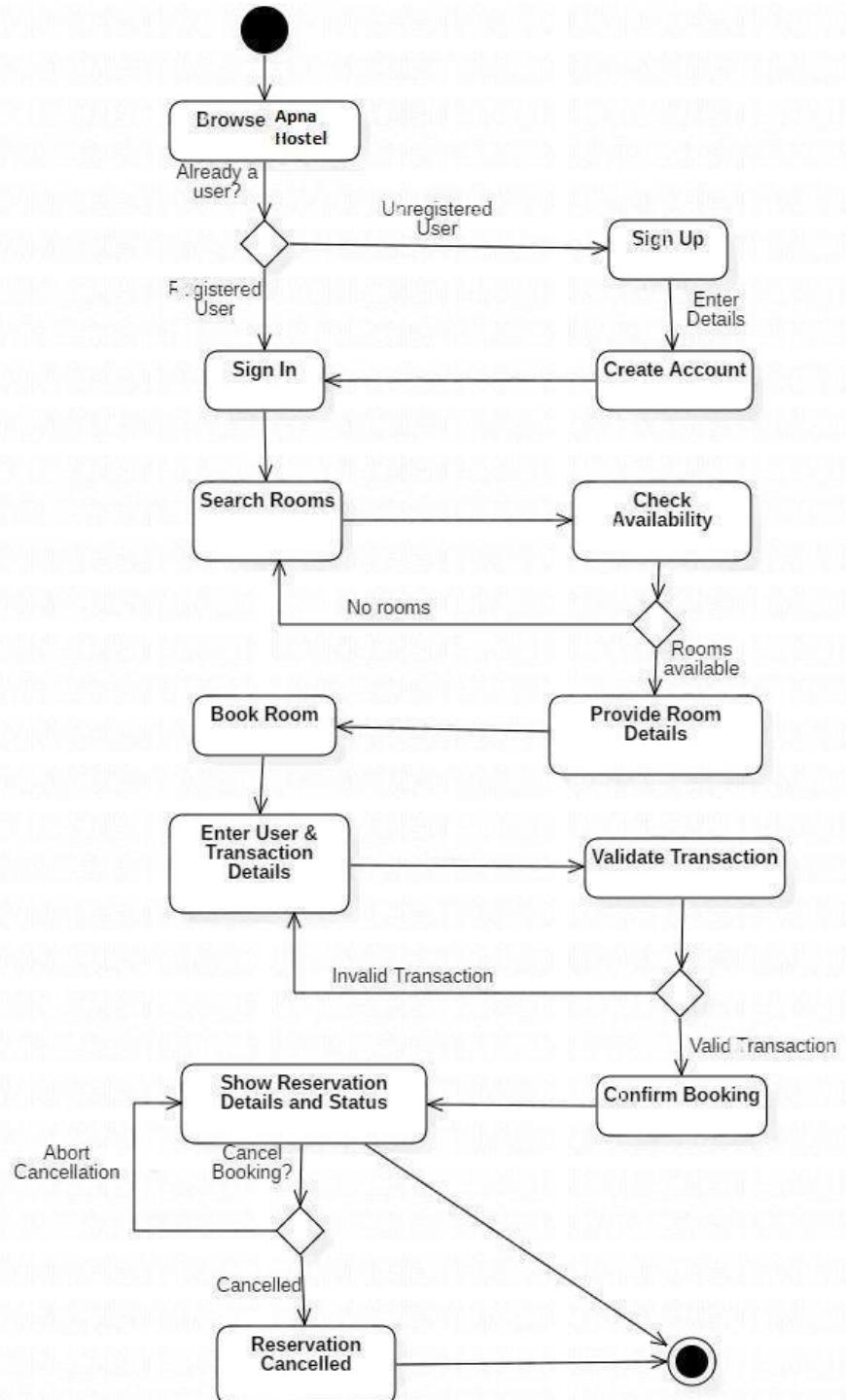


Fig 4: Activity Diagram for Online Hostel Rental and Management System

5.3.3 Class Diagram

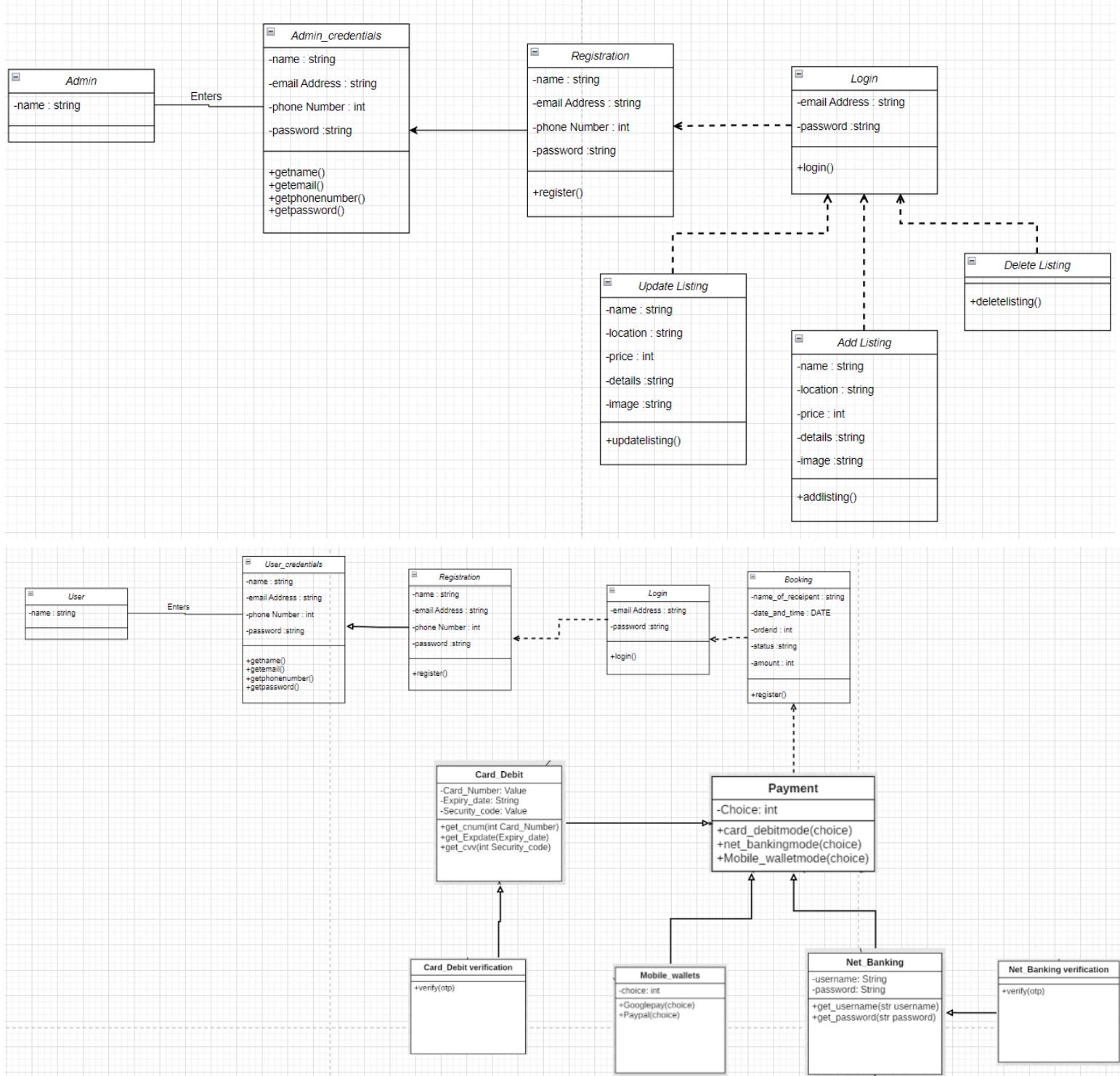


Fig 5: Class Diagram for Online Hostel Rental and Management System

5.3.4 Sequence Diagram

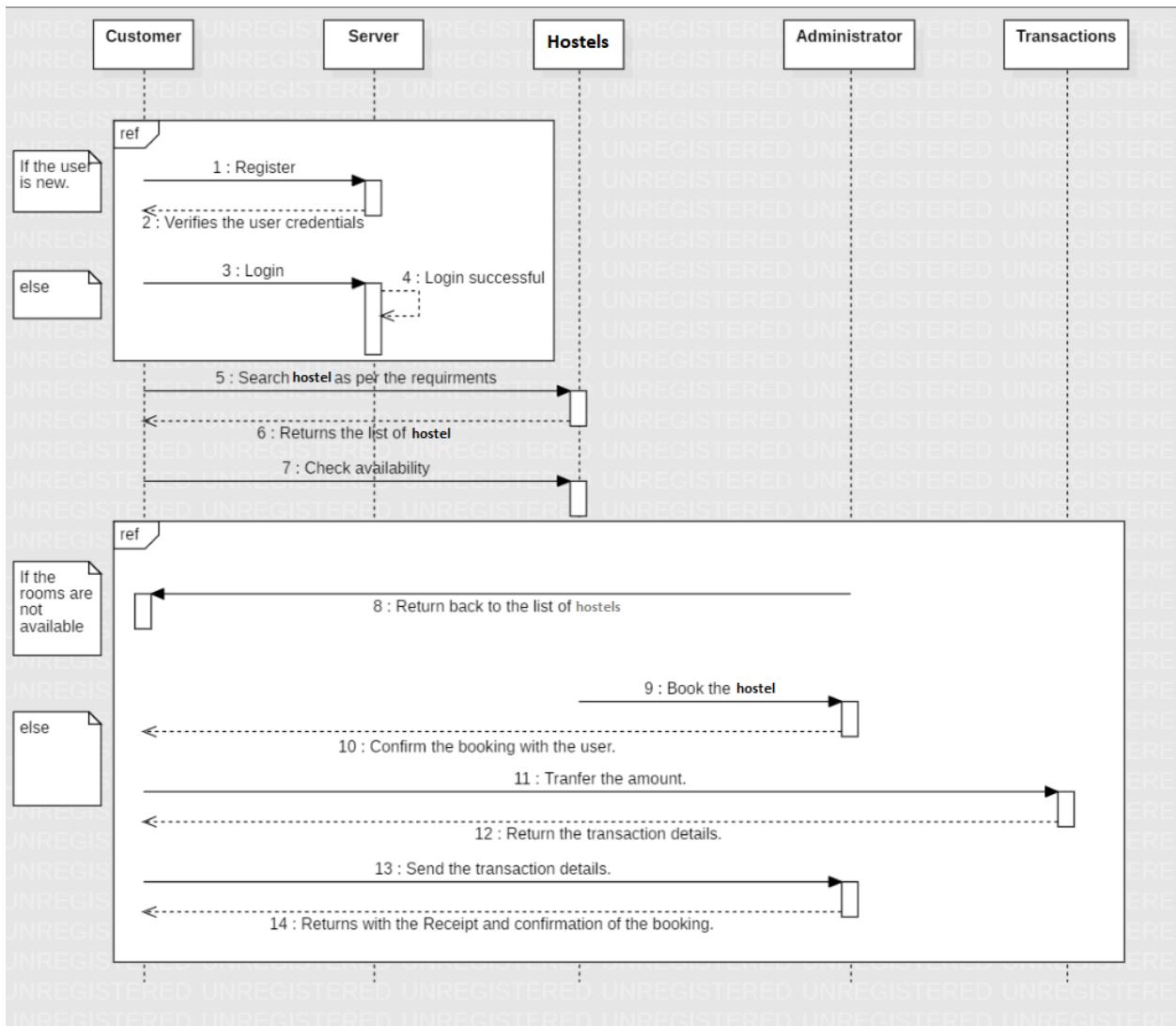


Fig 5: Sequence Diagram for Online Hostel Rental and Management System

5.4 Data Dictionary

Admin:

Table name	admin
Description	This table store information about Admin
Primary Key	id

S. No.	Field Name	Data type (Size)	Constraints	Description
1	id	int(11)	PRIMARY KEY	It is store Admin id.
2	name	varchar(500)	NOT NULL	It is store Admin name.
3	password	varchar(255)	NOT NULL	It is store Admin password.

Host :

Table name	host
Description	This table store information about Host
Primary Key	id

S. No.	Field Name	Data type (Size)	Constraints	Description
1	id	int(11)	PRIMARY KEY	It is store host id.
2	name	varchar(500)	NOT NULL	It is store host name.
3	location	varchar(255)	NOT NULL	It is store location of hostel of host.
4	price	varchar(255)	NOT NULL	It is store price of hostel room.
5	info	varchar(255)	NOT NULL	It is store information of hostel room.
6	image	varchar(255)	NOT NULL	It is store name of the image file.

User:

Table name	user
Description	This table store information about user
Primary Key	id

S. No.	Field Name	Data type (Size)	Constraints	Description
1	id	int(11)	PRIMARY KEY	It is store user id.
2	name	varchar(500)	NOT NULL	It is store user name.
3	password	varchar(255)	NOT NULL	It is store user password.
4	phone	varchar(255)	NOT NULL	It is store user phone number.
5	email	varchar(255)	NOT NULL	It is store user email.

Booking Details :

Table name	bookingdetails
Description	This table store information about details of booking
Primary Key	id

S. No.	Field Name	Data type (Size)	Constraints	Description
1	id	int(11)	PRIMARY KEY	It is store booking id.
2	hostid	int(11)	NOT NULL	It is store host id.
3	userid	int(11)	NOT NULL	It is store user id.
4	orderid	int(11)	NOT NULL	It is store order id.
5	receiptid	int(11)	NOT NULL	It is store receipt id.
6	paymentid	int(11)	NOT NULL	It is store payment id.
7	signature	varchar(255)	NOT NULL	It is store signature.
8	amount	int(1000)	NOT NULL	It is stores amount payed .
9	currency	varchar(255)	NOT NULL	It is stores currency payment made in.
10	createdAt	timestamp	NOT NULL	It is store time at which payment is made.
11	status	varchar(255)	NOT NULL	It is store status of payment.

5.5 Input Design

In an information system, input is the raw data that is processed to produce output. During the input design, the developers must consider the input devices such as PC, MICR, OMR, etc.

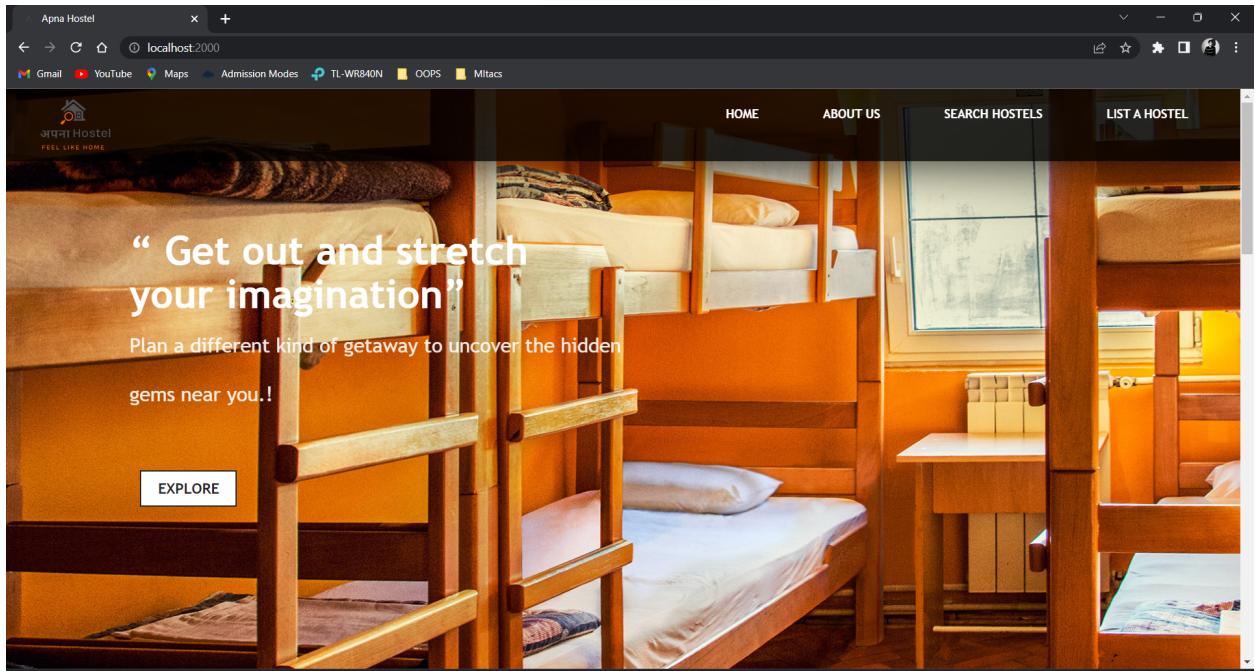
Therefore, the quality of the system input determines the quality of the system output. Well-designed input forms and screens have the following properties –

- They should serve specific purposes effectively such as storing, recording, and retrieving the information.
- It ensures proper completion with accuracy.
- It should be easy to fill and straightforward.
- It should focus on the user's attention, consistency, and simplicity.
- All these objectives are obtained using the knowledge of basic design principles.

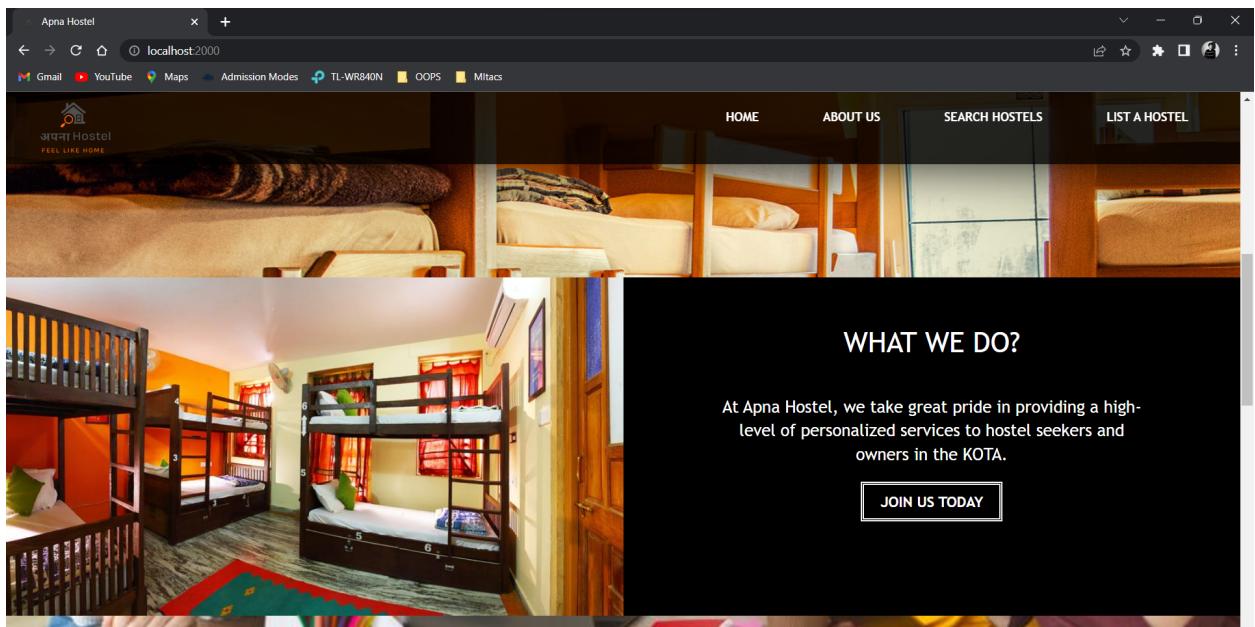
The objectives of input design are –

- To design data entry and input procedures
- To reduce input volume
- To design source documents for data capture or devise other data capture methods
- To design input data records, data entry screens, user interface screens, etc.
- To use validation checks and develop effective input controls.

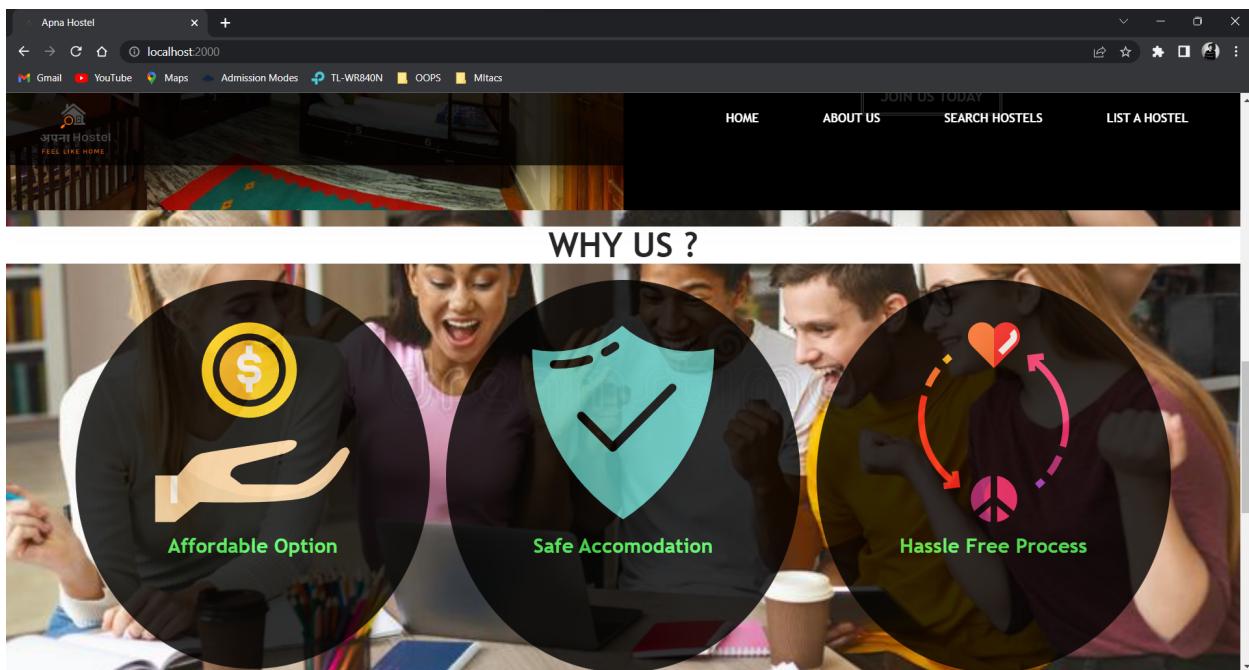
Home Page



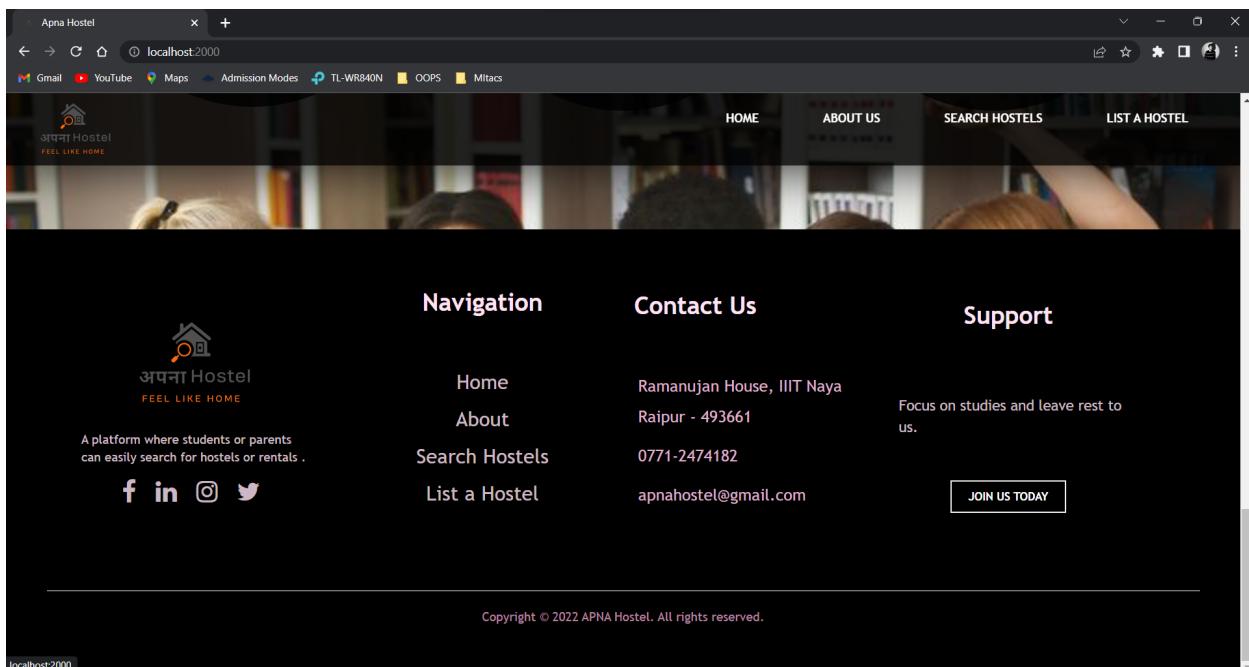
The home page consists of the basic information about the platform. Such as option to search for hostels and add hostels for listings.



This section of home page provides information about the objective of the platform.



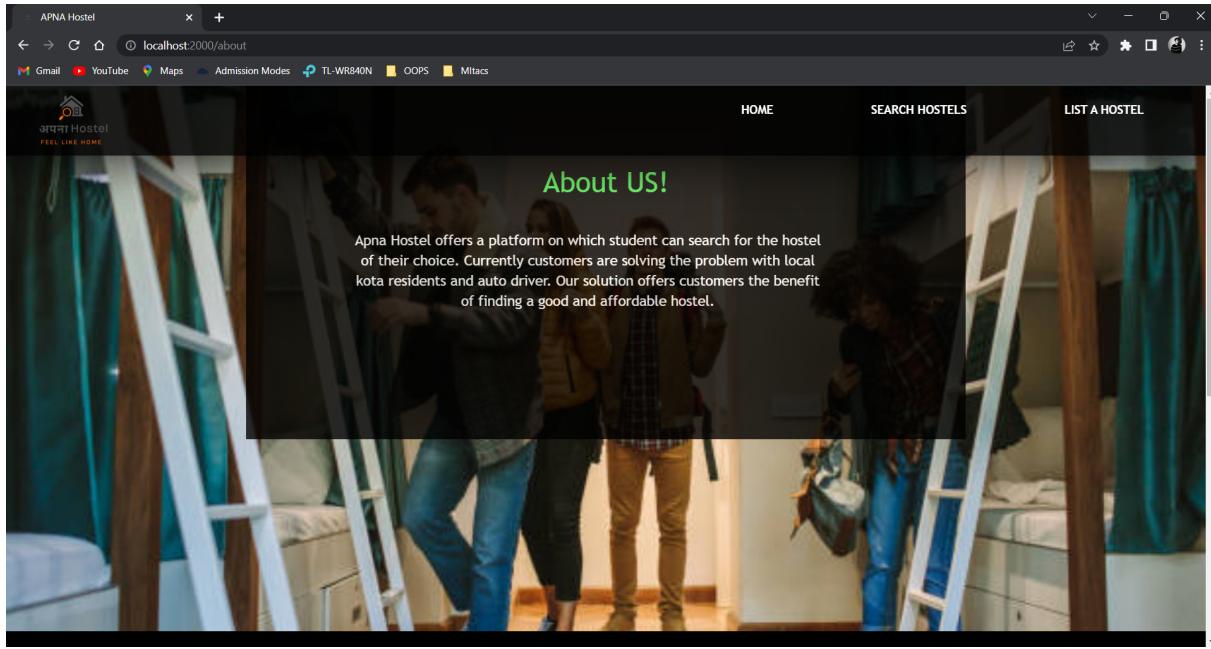
This section of homepage elaborates the features offered by the platform.



This is the contact section which provides necessary info to contact for support.

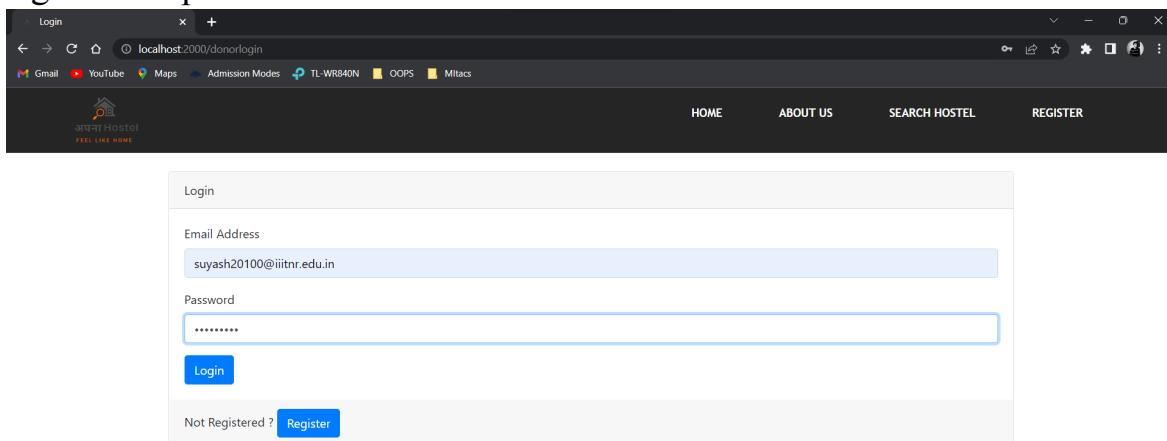
About Us :

The primary purpose of an about us page is to inform the reader about the company and its operations.



User Login :

This is the user login page where the registered user has to provide credentials to log into the platform.



User Registration :

If the user is not registered then he/she must first register to the platform in order to book the hostels.

The screenshot shows a web browser window with the title 'Register' at the top. The address bar displays 'localhost:2000/donorregister'. The page content is a registration form titled 'Register'. It includes fields for 'Name' (with a placeholder), 'Email Address' (with a placeholder), 'Phone Number' (with a placeholder), 'Password' (with a placeholder 'Minimum 8 characters.'), and 'Confirm Password' (with a placeholder). Below the form is a blue 'Register' button. At the bottom left, there is a link 'Already Registered ?' and a blue 'LOGIN' button. The top navigation bar of the browser includes links for 'HOME', 'ABOUT US', 'SEARCH HOSTEL', and 'LOGIN'. The top right corner of the browser window shows standard control icons.

User Dashboard :

After successful log in the user reaches the dashboard which has the available listings of the hostels . The dashboard also has link to the my bookings page and option to log out.

The screenshot shows a web browser window titled "User Dashboard" with the URL "localhost:2000/donor/dashboard". The page header includes links for "HOME", "ABOUT US", "MY LIST", and "LOGOUT". The main content is titled "Hostel List" and displays two hostel listings side-by-side:

- Suyash Sinha**
Location : Kota
Price : 1200
2.2 Km from Allen Sankalp Building
[Book](#)
- Ahuja Hostels**
Location : Kota
Price : 12000 per Month
2.2 Km from Allen Sankalp Building
[Book](#)

Booking - Payment Gateway :

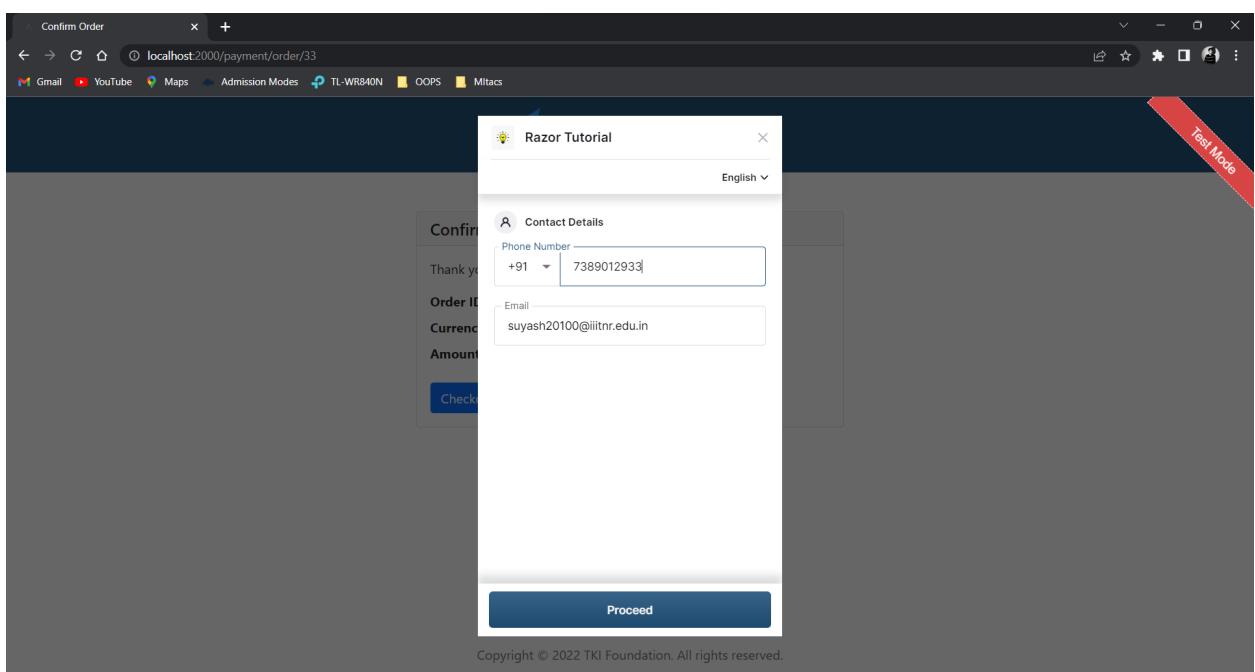
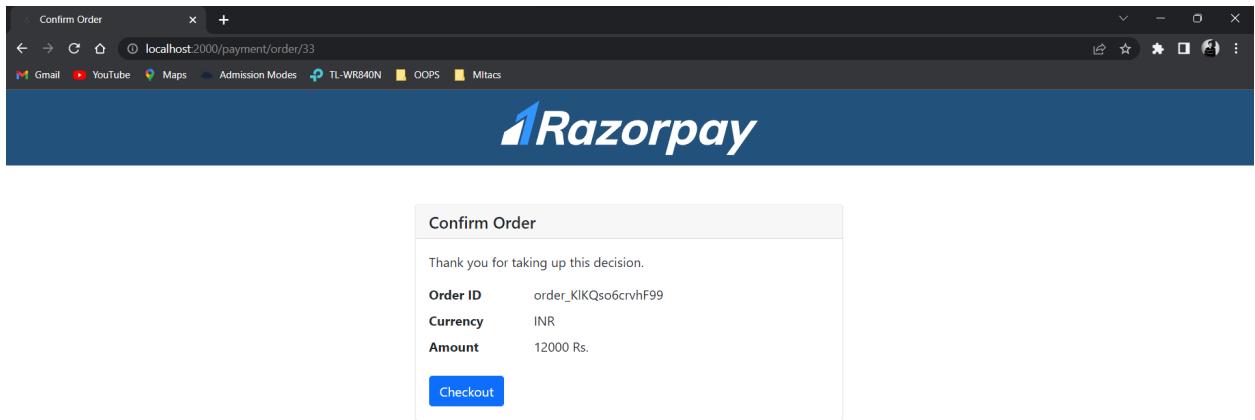
This the payment gateway to book the listing , the user has to enter the amount to be paid. THe gateway used is the Razorpay gateway.

The screenshot shows a web browser window titled "Donate for Martyrs" with the URL "localhost:2000/payment/33". The page features the "Razorpay" logo at the top. Below it, there is a form with the following fields:

- Enter Amount: A text input field containing "12000".
- [Book](#)

Copyright © 2022 APNA Hostel. All rights reserved.

This page shows details about the payment.



This page asks for payment method such as UPI , Card Payment or Net Banking.

Payment verification successful

localhost:2000/payment/verify

Razorpay

Payment Successful!

Thank you for contributing to us.

Order ID	order_KIKQso6crvhF99
Transaction ID	pay_KIKRZHqBCDoP8j
Signature	c2c9cd749be3faaa56e4ae8b6594a8aef85ff6297c9322a6830900184a362396
Amount	12000 Rs.
Created at	Mon Nov 28 2022 10:05:19 GMT+0530 (India Standard Time)

[Go to Dashboard](#)

Waiting for api.razorpay.com...

Copyright © 2022 TKI Foundation. All rights reserved.

This page shows the conformation of the payment and the user can be redirected to dashboard with “Go to Dashboard” button.

Booking added :

This page shows all the details of the booking a user has done.

My Donations

localhost:2000/donor/donations

अपना Hostel
FEEL LIKE HOME

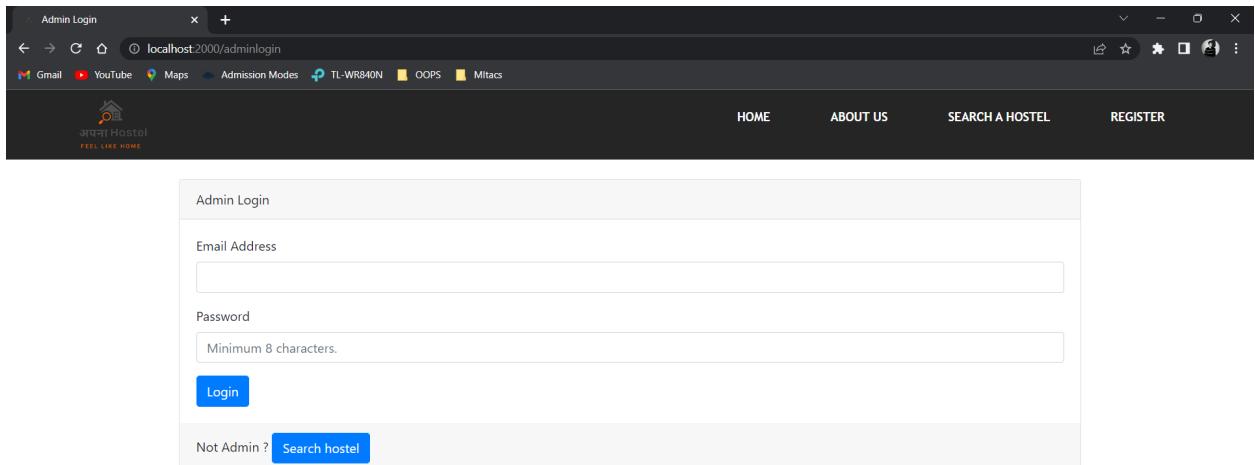
HOME ABOUT US DASHBOARD LOGOUT

Booking Details

S.No.	Order ID	Name of Recipient	Amount(in Rs)	Date and Time	Status
1	order_KIKOu4fGhX8lXn	Ahuja Hostels	12000	Mon Nov 28 2022 10:03:06 GMT+0530 (India Standard Time)	paid
2	order_KIKQso6crvhF99	Amit Agrawal	12000	Mon Nov 28 2022 10:05:19 GMT+0530 (India Standard Time)	paid

Host Login :

This is the page for host/admin login in order to list the hostel a host/admin must be registered.



The screenshot shows a web browser window titled "Admin Login" with the URL "localhost:2000/adminlogin". The browser's address bar also displays "localhost:2000/adminlogin". The page header includes a logo for "आगामी Hostel" with the tagline "FEEL LIKE HOME", and navigation links for "HOME", "ABOUT US", "SEARCH A HOSTEL", and "REGISTER". Below the header is a search bar labeled "Admin Login". The main form contains fields for "Email Address" and "Password", with a note "Minimum 8 characters." below the password field. A blue "Login" button is centered below these fields. At the bottom of the form, there is a link "Not Admin ?" and a blue "Search hostel" button.

Host Dashboard :

This the host/admin dashboard where the registered host/admin can add , edit or delete listing.

The screenshot shows the Admin Dashboard interface. At the top, there's a navigation bar with links like Gmail, YouTube, Maps, Admission Modes, TL-WR840N, OOPS, and Mitacs. Below the navigation bar is a logo for 'अपना Hostel' with the tagline 'FEEL LIKE HOME'. On the right side of the header is a 'LOGOUT' button. In the center, there's a large green button labeled 'ADD A LISTING'. Below this button are two cards, each representing a hostel listing:

- Suyash Sinha**
Location : Kota
Price : ₹1200
2.2 Km from Allen Sankalp Building
[Edit](#) [Delete](#)
- Ahuja Hostels**
Location : Kota
Price : ₹12000 per Month
2.2 Km from Allen Sankalp Building
[Edit](#) [Delete](#)

Add Listing Page :

This is the page to add the listing where authenticated admin can add listing by providing necessary details using the add listing button.

The screenshot shows the 'Add a Listing' page. At the top, there's a navigation bar with links like Gmail, YouTube, Maps, Admission Modes, TL-WR840N, OOPS, and Mitacs. Below the navigation bar is a logo for 'अपना Hostel' with the tagline 'FEEL LIKE HOME'. On the right side of the header is a 'LOGOUT' button. The main area contains a form with the following fields:

- Name: Amit Agrawal
- Location: Kota
- Price: ₹12500 per month
- Description: 1.4 Km from Bansal Sankalp Building | 2 Bedrooms | AC Rooms Available
- Images: A file input field containing 'IMG_20211204_172533.jpg' and a blue 'Add' button below it.

Listing Added :

After successful addition of listing a message is displayed which shows listing added.

The screenshot shows the Admin Dashboard interface. At the top, there's a navigation bar with links like Gmail, YouTube, Maps, Admission Modes, TL-WR840N, OOPS, and Mitacs. Below the navigation bar, the title "Admin Dashboard" is visible. On the right side, there's a "LOGOUT" button. In the center, a pink banner displays the message "Listing Added". Below the banner, there are three cards, each representing a hostel listing:

- Suyash Sinha**
Location : Kota
Price : 1200
2.2 Km from Allen Sankalp Building
Edit | **Delete**
- Ahuja Hostels**
Location : Kota
Price : 12000 per Month
2.2 Km from Allen Sankalp Building
Edit | **Delete**
- Amit Agrawal**
Location : Kota
Price : 12500 per month
1.4 Km from Bansal Sankalp Building | 2 Bedrooms | AC Rooms Available
Edit | **Delete**

Edit Listing Page :

The authorized admin can edit the listing with the help of edit button .

The screenshot shows the "Edit" page for listing ID 33. The URL in the address bar is "localhost:2000/admin/edit/33". The page has a dark header with the "Logout" link. The main content area contains form fields for editing the listing:

- Name:
- Location:
- Price:
- Description:
- Images: A file input field labeled "Choose File" containing the path "WhatsApp Image 2022-11-25 at 22.33.05.jpg".
- An "Add" button is located below the image input field.

Delete Listing :

The authorized admin can delete the listing with the help of delete button and after successful deletion a message is shown for the same.

The screenshot shows a web browser window titled "Admin Dashboard" with the URL "localhost:2000/admin/delete/34". At the top, there is a navigation bar with links like "Gmail", "YouTube", "Maps", "Admission Modes", "TL-WR840N", "OOPS", and "MITACs". A blue button labeled "ADD A LISTING" is visible at the top right. A pink banner at the top of the main content area says "Deletion Successful". Below this, there are three cards, each representing a hostel listing:

- Suyash Sinha**
Location : Kota
Price : 1200
2.2 Km from Allen Sankalp Building
[Edit](#) [Delete](#)
- Ahuja Hostels**
Location : Kota
Price : 12000 per Month
2.2 Km from Allen Sankalp Building
[Edit](#) [Delete](#)
- Amit Agrawal**
Location : Kota
Price : 12500 per month
1.4 Km from Bansal Sankalp Building | 2 Bedrooms | AC Rooms Available
[Edit](#) [Delete](#)

At the bottom of the page, there is a small thumbnail image of a yellow bunk bed.

5.6 Output Design

The design of output is the most important task of any system. During output design, developers identify the type of outputs needed and consider the necessary output controls and prototype report layouts.

The objectives of input design are –

- To develop output design that serves the intended purpose and eliminates the production of unwanted output.
- To develop the output design that meets the end users' requirements.
- To deliver the appropriate quantity of output.
- To form the output in the appropriate format and direct it to the right person.
- To make the output available on time for making good decisions.

The screenshot shows the MySQL Workbench interface with the following details:

- Server:** 127.0.0.1
- Database:** apnajahostel
- Table:** martyrs
- Toolbar:** Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Triggers.
- Status Bar:** Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)
- SQL Editor:** SELECT * FROM `martyrs`
- Buttons:** Profiling, Edit inline, Edit, Explain SQL, Create PHP code, Refresh.
- Table View:** A grid showing 4 rows of data with columns: id, name, location, price, info, and image.

	id	name	location	price	info	image
<input type="checkbox"/>	29	Suyash Sinha	Kota	1200	2.2 Km from Allen Sankalp Building	46-Thumbnail_1.jpg
<input type="checkbox"/>	32	Ahuja Hostels	Kota	12000 per Month	2.2 Km from Allen Sankalp Building	Kotabnb.jpg
<input type="checkbox"/>	33	Amit Agrawal	Kota	12500 per month	1.4 Km from Bansal Sankalp Building 2 Bedrooms ...	IMG_20211204_172533.jpg
<input type="checkbox"/>	35	Suyash	Kota	11k Per month	1.2 KM from Bansal Classes Girls Hostel	WhatsApp Image 2022-11-25 at 22 33.05.jpg

- Table Tools:** Check all, With selected, Edit, Copy, Delete, Export.
- Search Bar:** Show all, Number of rows: 25, Filter rows: Search this table, Sort by key: None.
- Query Results Operations:** Print, Copy to clipboard, Export, Display chart, Create view.
- Console:** A text input field for running commands.

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT * FROM `donors`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Search this table Sort by key: None

Extra options

	id	name	phone	email	password
<input type="checkbox"/>	1	Suyash Sinha	07389 012933	sinha.suyash.ss@gmail.com	suyash123
<input type="checkbox"/>	2	Suyash Sinha	07389 012933	suyash2010@iiitr.edu.in	\$2a\$08\$AvxozLG0KN5bJrIYUh.8JerOW0v5aSPznUcMPhLSSd...

With selected: Edit Copy Delete Edit Copy Delete Export

Show all | Number of rows: 25 Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
SELECT * FROM `admins`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Search this table

Extra options

	id	email	password
<input type="checkbox"/>	1	admin@gmail.com	admin123

With selected: Edit Copy Delete Edit Copy Delete Export

Show all | Number of rows: 25 Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

Server: 127.0.0.1 > Database: apnajhostel > Table: donationdetails

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 3 (4 total, Query took 0.0004 seconds.)

SELECT * FROM `donationdetails`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

	number	donordid	martyrid	orderid	receiptid	paymentid	signature
<input type="checkbox"/>	1	1	1	order_KgoQ2mFgqBO6ii	MG3q6_x58HzarXGfZsr-	pay_KgoQc3mkLqL4Jh	f7f30c0cc9db5f055b4147f2697270b5196e18988b59eca487...
<input type="checkbox"/>	2	1	27	order_KiBgiBEexsqjT9	dTiVYISXzj_noORhNPFO	pay_KiBhD1JyuyOoN	3b203d2346dfb6449c0770d269bc9de8280fb14c3a580a4751...
<input type="checkbox"/>	3	2	32	order_KIKOu4fGhX8IXn	-ksYK9dwnHFHTlEOkLtx9	pay_KIKPE4bHufpaTz	0929d40836f3b334c90ad136a87d0aa6c3509464fc5d1ad78b...
<input type="checkbox"/>	4	2	33	order_KIKQso6crvhF99	jL01s9B_GW3IGy7ggkGmy	pay_KIKRZHqBCDoP8j	c2c9cd749be3faaa56e4ae8b6594a8ae85ff6297c9322a683...

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view Console

6. Testing

Testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test. System testing can also provide an objective, independent view of the system to allow the business to appreciate and understand the risks of system implementation

System testing can be stated as the process of validating and verifying that a system program, application or product

- meets the requirements that guided its design and development
- works as expected and
- can be implemented with the same characteristics.

S. No.	Data Input	Expected Output	Actual Output	Pass/Fail
1.	All files are empty	Error message: *indicates compulsory field*	Error message: *indicates compulsory field*	Pass
2.	Email	Error message: Invalid Email-address	Error message: Invalid Email-address	Pass
3.	Password and confirm password	Error message: Both Password does not match	Error message: Both Password does not match	Pass
4.	Login	Login to the system should be tried with the login assigned by the admin, and the correct password	Login should be successful, and the user should enter into the system	Fail

		The System gives an error and is denied the log in.	Login should fail with an error ‘Invalid Details’	Pass
5.	User	Login should be allowed and the admin gets the Admin home page.	Login successfully, and admin get its admin home page	Pass
		Login should be allowed, and Travel admin gets the Travel admin home page.	Login successfully, and Travel admin get its Travel admin home page	Pass
		Login should be allowed, and User gets the Visitor side User page.	Login successfully, and the User gets its user page.	Pass
6.	Add listing	Listing is added with message displaying “Listing Added”	Listing is added with message displaying “Listing Added”	Pass
7.	Delete Listing	Listing is deleted with message displaying “Listing deleted”	Listing is deleted with message displaying “Listing deleted”	Pass
8.	Update Listing	Listing is updated with message displaying “Listing updated”	Listing is deleted and a new listing is created	Fail
9.	Book Listing	Listing is booked and added to my list page.	Listing is booked and added to my list page.	Pass

10.	Payment	After payment the details are updated.	After payment the details are updated.	Pass
11.	Validation Test cases	Pre-define format must be required in the control	System gives an error to enter valid input	Pass
		Enter data in a compulsory field with required field validations.	Data must be a field in a compulsory field otherwise its messages are displayed.	Pass

7. Post Implementation Review

- The web application is self-maintained.
- The admin can manage, add, and delete the listings.
- The user can register and log in to book the listings.
- The process supports multiple hostels.
- The host part of the system needs work as host management has to be done.

8. Future Enhancement

- To implement the host management system.
- To improve the User Interface of the web application.
- To implement the refund or cancel booking functionality.

9. Bibliography

- **Web Reference**

- <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/what-is-uml-collaboration-diagram/>
- <https://www.visual-paradigm.com/guide/uml-unified-modeling-language/uml-classes-diagram-tutorial/>
- <https://www.codemag.com/article/0205051/UML-Collaboration-Diagrams>