

Aanandam: Care Home for Senior Citizens

UCS503 Software Engineering Project End-Semester Evaluation

Submitted By:

Shreya Chhikara <101903463>

Khushi Singhal <101903244>

Anurag Kanwar <102083041>

Rachit Puri <101903462>

BE Third Year, COE

Group: 3CO18

Submitted to: Anushka Ma'am



**Computer Science and Engineering Department
TIET, Patiala**

December, 2021

TABLE OF CONTENTS

Table of Contents	11
1. Project Selection Phase	3
1.1 Software Bid.....	3
1.2 Project Overview	4
2. Analyses Phase.....	6
2.1 Use Case Diagrams.....	6
2.2 Activity/Swimlane Diagrams	7
2.3 Data Flow Diagrams.....	9
2.4 Software Requirement Specifications in IEEE Format.....	10
3. Designing Phase	28
3.1 Class Diagrams.....	28
3.2 Sequence Diagrams	29
3.3 Database Design- ER Diagrams	31
4. Implementation.....	32
4.1 Component Diagram	32
4.2 Screenshots	33
5. Testing	43
5.1 Test Plan	43
5.2 Test Cases	44
5.3 Test Reports	46

1. Project Selection Phase

1.1 Software Bid

Software Bid/ Project Teams

UCS 503- Software Engineering Lab

Group: 3CO18

Dated: 20/08/2021

Team Name: SKAR Coders

Team ID (will be assigned by Instructor): 1

Please enter the names of your Preferred Team Members.

- You are required to form **a three to four person teams**
- Choose your team members wisely. You will not be allowed to change teams.

Name	Roll No	Project Experience	Programming Language used
Shreya Chhikara	101903463		Python, C++
Khushi Singhal	101903244		Kotlin, C++
Anurag Kanwar	102083041		Kotlin, C++
Rachit Puri	101903462		C++, Javascript

Programming Language / Environment Experience

List the languages you are most comfortable developing in, **as a team**, in your order of preference. Many of the projects involve Java or C/C++ programming.

1. Kotlin
2. Python
3. Javascript

Choices of Projects:

Please select **4 projects** your team would like to work on, by order of preference: [*Write at-least one paragraph for each choice (motivation, reason for choice, feasibility analysis, etc.)*]

First Choice	Anandam: Senior citizen care home
Second Choice	Thapar auto/e-rikshaw services
Third Choice	Thapar Information Portal for freshers
Fourth Choice	Thapar Internship Information Portal

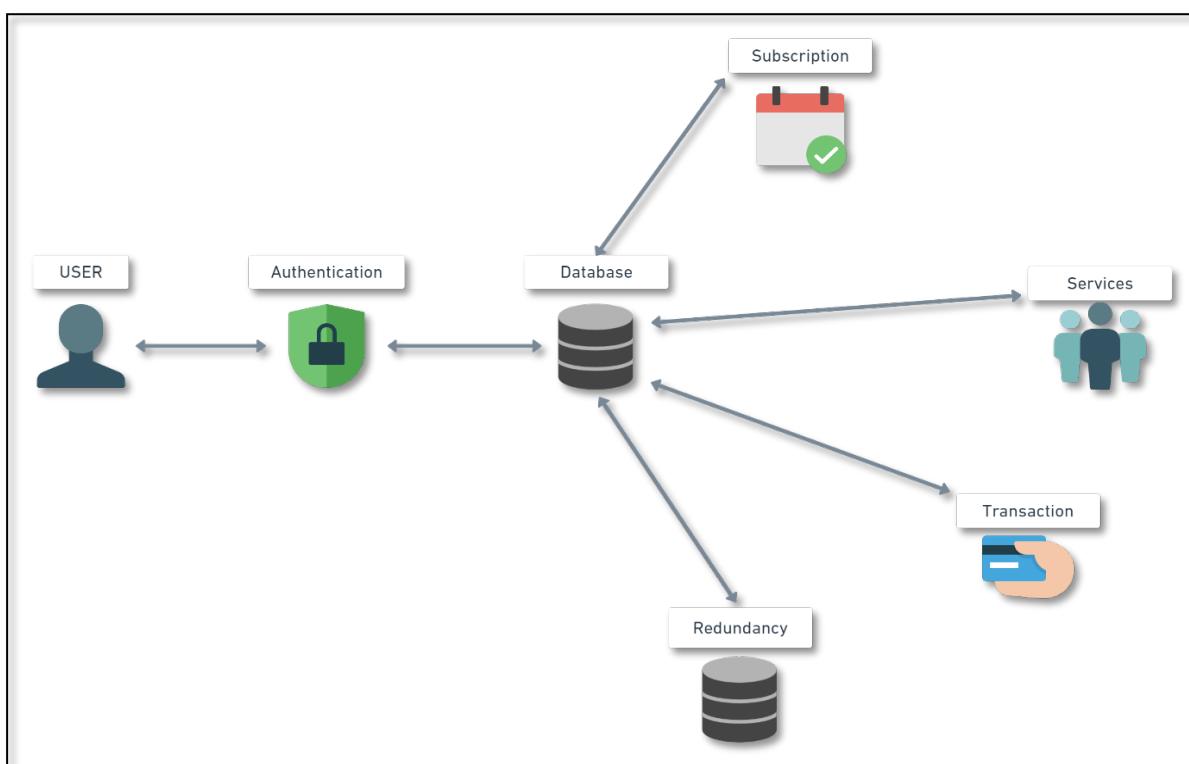
1.2 Project Overview

Our product will provide homecare services to anyone above the age of a particular threshold. Our product is designed to provide comfort and assistance. The product provides clients with a living space at a lower cost and in a more comfortable environment. It also provides a clubbing system for senior people who live near to their homes and want to socialize with others.

The user can browse our services here, but they must first sign up to use any of them. The consumer will now have the option of acquiring a full apartment, living in it, or renting it out for a price, thereby becoming a premium user with access to all of the product's features. Our services include hospital visits, bank visits, personal function visits, and any other type of visit that requires support. All people will now be able to use these services for free. As a result, the purchaser is just required to pay for the room.

Now, if a consumer merely wants service and doesn't want to own or rent a room, our product can help. In that instance, the consumer has the option of signing up for a one-day, monthly, or yearly subscription. Except for medical visits, the consumer can only get a restricted number of visits with this service.

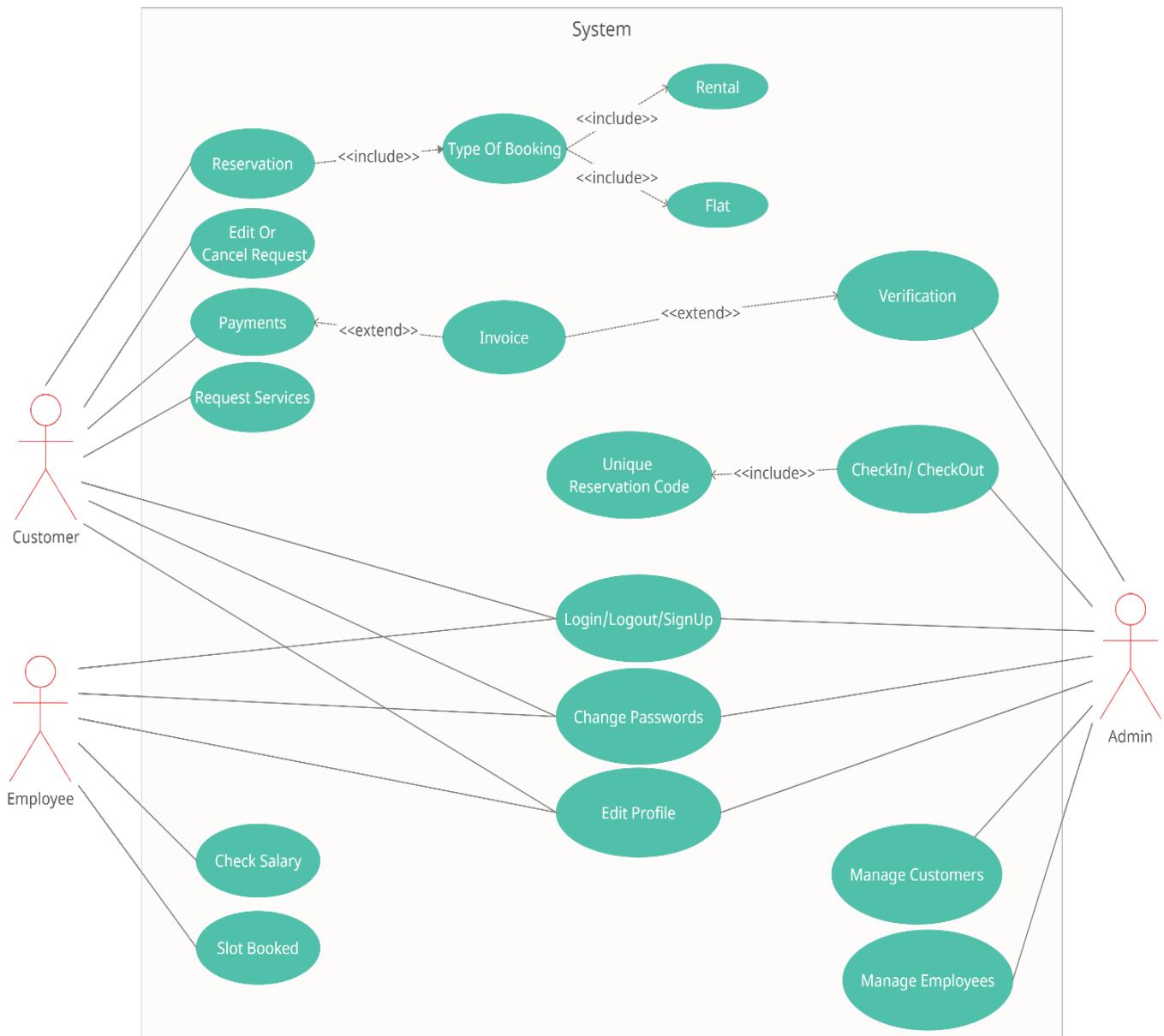
Our product is separated into four parts to accommodate all of the functions.



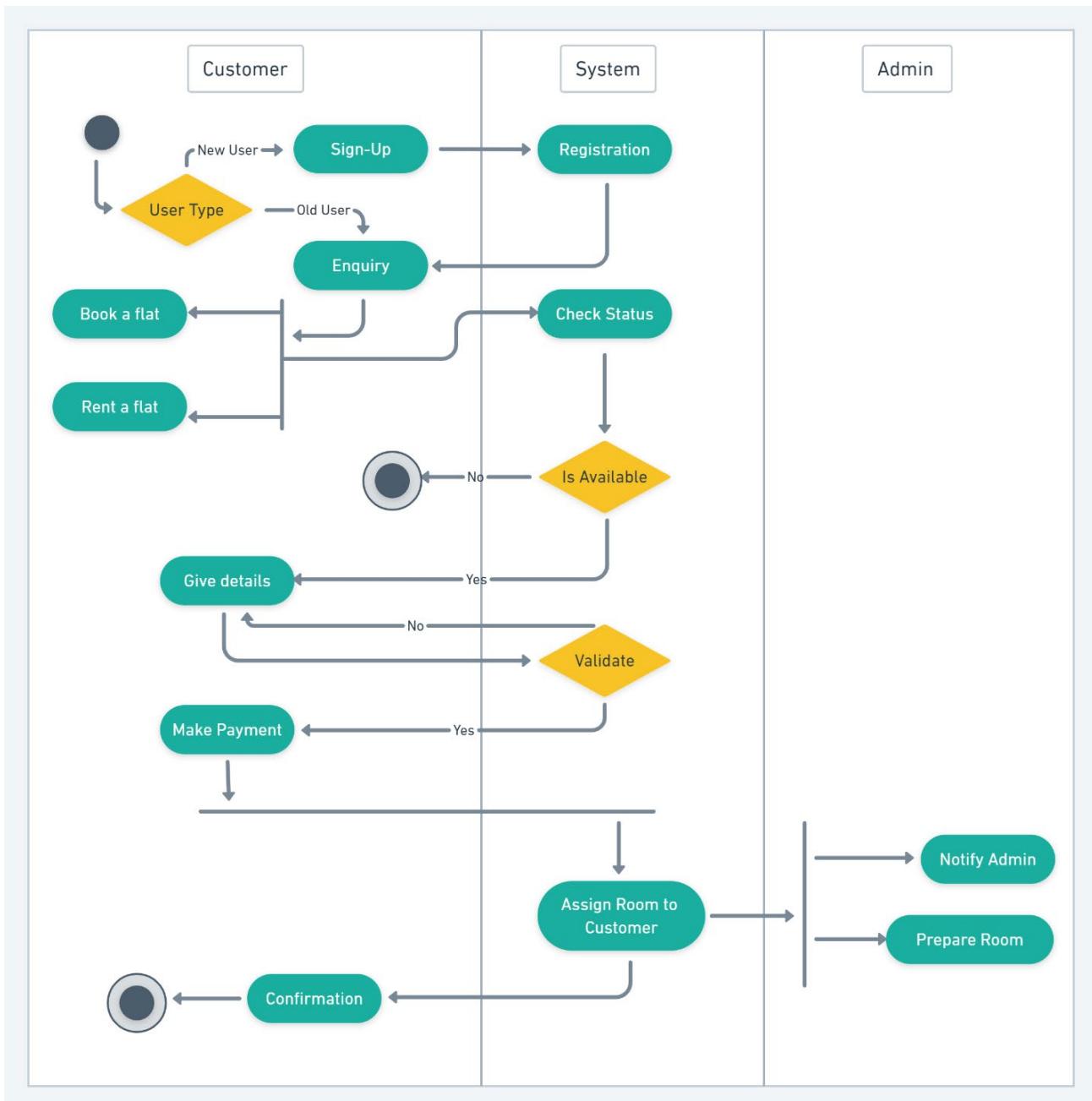
1. The authentication module verifies user credentials to ensure that only authorized users have access to the product. When a new user registers, this module stores their credentials in the database. When an existing member signs in, the system checks the credentials in the database and grants access to the program.
2. The database module keeps all of the data and gives users access to it when they need it. It keeps all of the login credentials, user information, all of the relevant employee information, information on room occupancy, volunteer duty times, and so on.
3. The redundancy module is essentially another set of storage locations that serves as the software's backup storage so that user data is not lost due to unexpected corruption of the primary data location.
4. The transaction module keeps track of all monetary transactions associated with renting and room assignment. It also keeps track of the employees' pay and guarantees that all employees' salaries are credited to their respective bank accounts as soon as they are due.
5. The service module guarantees that customer requests for services are handled efficiently and that volunteers and workers are properly managed. The service module makes sure that service requests are met as quickly as feasible. It also ensures that all volunteers/employees receive timely notifications regarding their responsibilities. Employees/volunteers' free time slots are also managed via the service module.
6. The subscription module is in charge of new user registration. The Subscription module examines the database for room availability and then sends a payment request to the Transaction module. As soon as the room is assigned, this module adds all of the client and room data into the database. Following the room assignment, it shows a welcome message and provides the user with all necessary information for their stay.

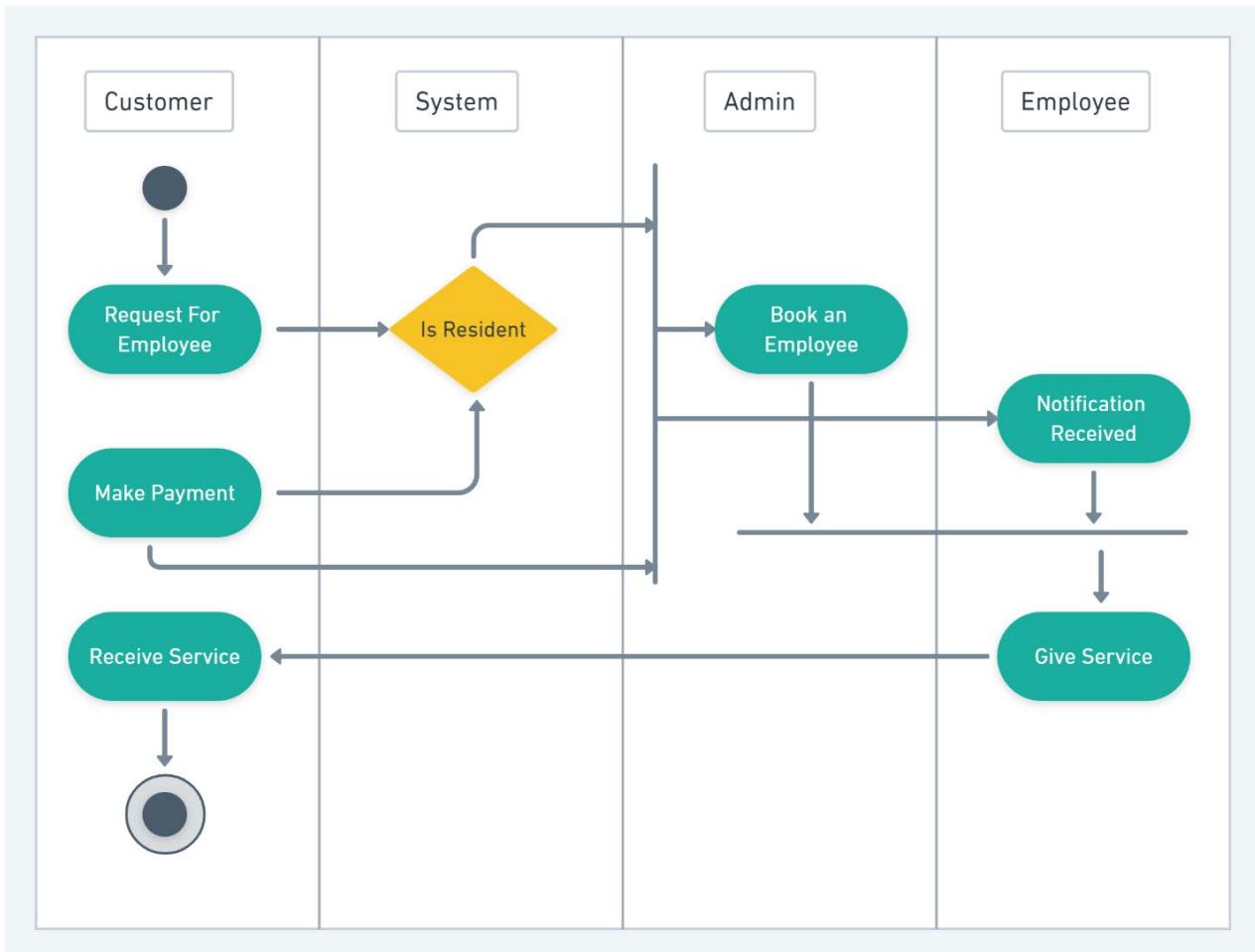
2. Analysis Phase

2.1 Use Case Diagrams

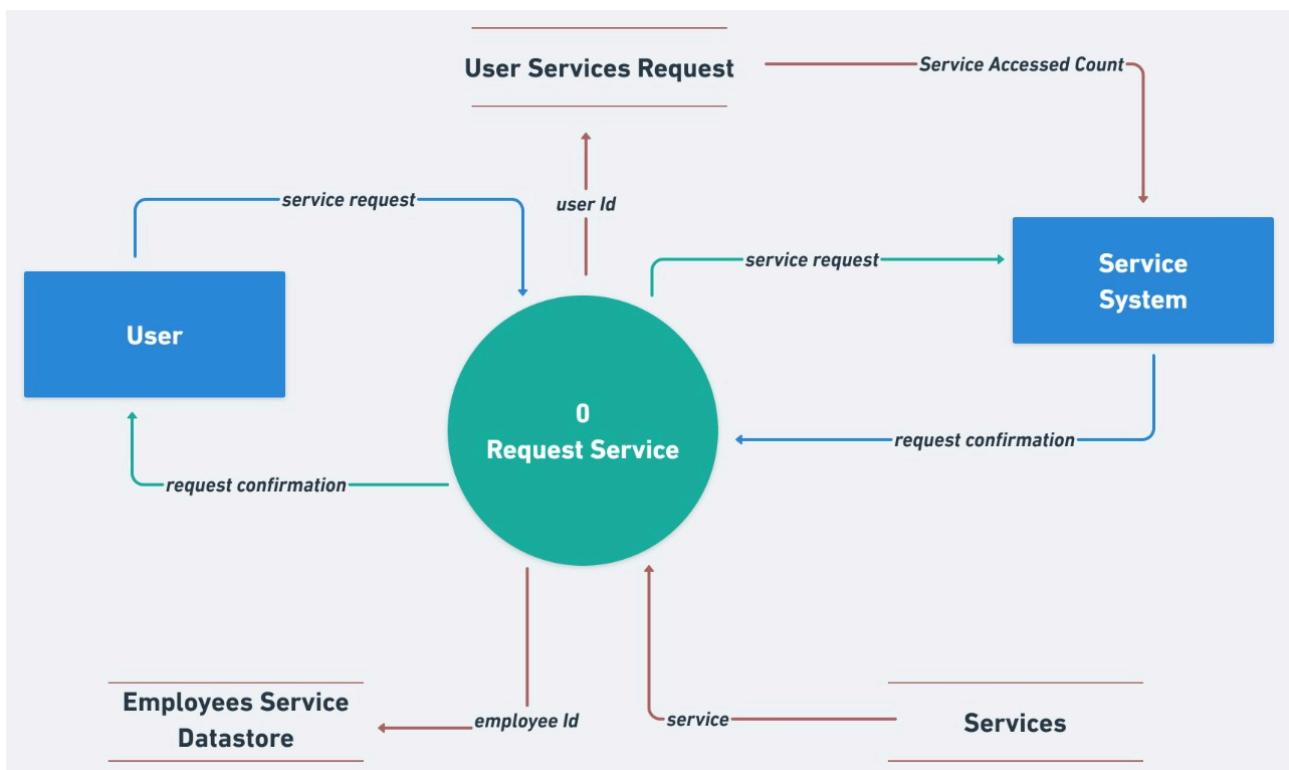
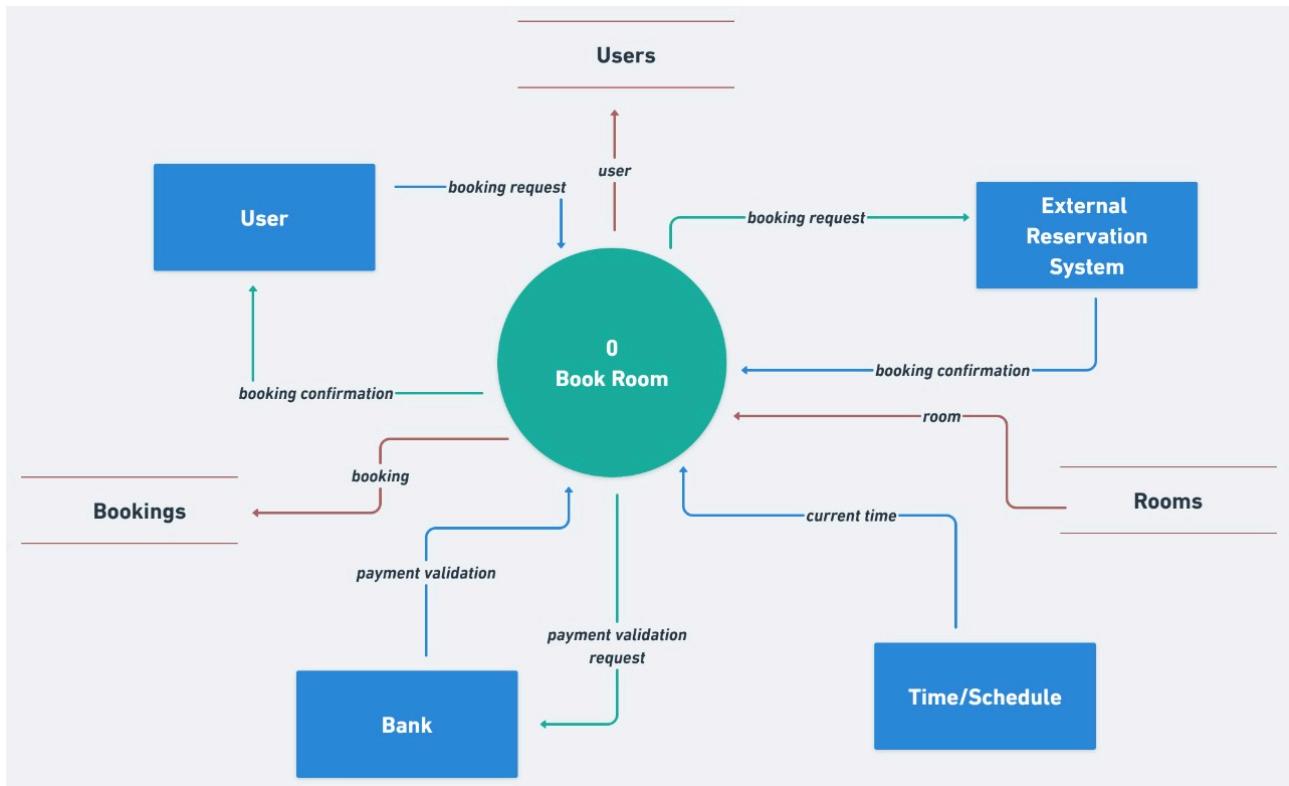


2.2 Activity/ Swimlane Diagrams





2.3 Data Flow Diagrams



2.4 Software Requirement Specifications

Software Requirements Specification

for

Anandam- Care home for senior citizens

Prepared by: Shreya Chhikara

Khushi Singhal

Anurag Kanwar

Rachit Puri

Table of Contents

Table of Contents.....	11
1. Introduction.....	3
1.1 Purpose of this document	3
1.2 Document Conventions	3
1.3 Intended Audience and Reading Suggestions	3
1.4 Scope of the project.....	3
1.5 References	5
2. Overall Description.....	6
2.1 Product Perspective.....	6
2.2 Product Functions.....	8
2.3 User Classes and Characteristics.....	9
2.4 Design and Implementation Constraints	10
2.5 Apportioning of Requirements.....	10
3. Specific Requirements	11
3.1 External Interface Requirements.....	11
3.2 Detailed Description of Functional Requirements	11
3.3 Performance Requirements	15
3.4 ER-Diagram	15
3.5 Quality Attributes.....	16
3.6 Other Requirements	16
4. Use Case Diagram	17
5. Change History	18
6. Document Approvers.....	18

1. Introduction

1.1 Purpose of this Document

The purpose of this SRS document is to provide a detailed overview of our software product, its parameters, and goals. This document describes the project's target audience and its user interface and software requirements. It defines how our client, team, and audience see the product and its functionality.

1.2 Document Conventions

The standard conventions that are followed in this document include Times New Roman as font style. The main headings in the document have been written in bold, with 18 as the font size. The subheadings having font size 14 have also been bolded. The content has been registered with 12 as font size, and all the essential points have been highlighted in red.

1.3 Intended audience and reading suggestions

The target audience of this document mainly includes developers, project managers, clients, users, testers, and research scholars. This SRS offers a full explanation of our project and how it will benefit the organization for which it is being created. The table of contents section contains information about the document's arrangement and contents, which a reader should review to get a sense of the subjects and descriptions. While reading the document, readers must read it in the order specified in the table of contents. This will aid them in better comprehending the project and its operation.

1.4 Scope of the project

The purpose is to develop software for "**Anandam**," an elderly care facility where senior people who live apart from their children can receive assistance with daily chores, health, banking, recreation, and travel.

User Registration:

Users will be able to register for services either for themselves or for their parents through this method. During registration, the user will have to fill in the necessary details like name, age, sex, period of stay, and relatives' information.

Payment Options:

We will provide long-term housing and dorms as choices for staying in the care home during registration. Those who are interested in becoming long-term residents will have two payment choices. Those who are willing and able to pay the entire amount in one go can do so, while others can choose to pay monthly rents. Those who cannot afford to make either of the charges are also welcome to use the services.

Data Collection:

The data of all the registered users will be stored in the databases and will be bifurcated into two types of residents, the permanent ones and the rent payers. After the registration the users are free to avail all the services.

User Experience:

Customers can access their accounts and request services such as travel, health check-ups, bank visits, and visits to relatives. They can also designate a favorite employee/volunteer and make a special request to have him/her assist them for the day. Customers can access information about check-up camps, activities, and other recreational events through the same page.

There will also be login system for the employees of the organization where they can apply for leaves, check their salaries and get regular updates about their duties for the respective days.

Volunteers, in addition to residents and staff, will be a part of this ecosystem. Ordinary folks who want to take a break from their normal employment and help the elderly can do so by registering as volunteers. They will have the ability to submit their time slots when they are free after logging into the systems. They will be assigned their different jobs during the time periods specified by the care home, which they may verify on the same portal.

There will also be clubs at several locations in the city where not only the residents but any person who wants to spend some quality time and have some fun can go. These clubs will be open to all without any additional cost. Our software will also include a page that provides the location of the different clubs throughout the city in the vicinity of the user as well as the activities going on in different clubs.

Initially we plan to implement these features in the software in this particular organization, but it is not where its usage ends. This software's capabilities aren't confined to this particular care facility. It could also be adopted by other care homes or other groups who want to give comparable services to those in need. This software's employee interface can be utilized in other businesses to make things like applying for leaves, checking salary, getting holiday updates, checking deadlines, and managing meeting schedules a breeze.

With a few tweaks, the same software may be utilized in hotel room management and booking systems.

As a result, this program, in its entirety or in portions, can be used in a variety of circumstances, and its application is not restricted to this organization.

1.5 References

<https://www.pinterest.com/pin/465559680199835553/>

<https://www.pinterest.com/pin/391039180129153949/>

<https://www.udemy.com/course/front-end-web-development/>

<https://blog.back4app.com/top-10-backend-programming-languages/>

<https://www.browserstack.com/guide/learn-software-application-testing>

<https://2wtech.com/stages-of-a-software-deployment-process/>

<https://unsplash.com/>

<https://undraw.co/>

2. Overall Description

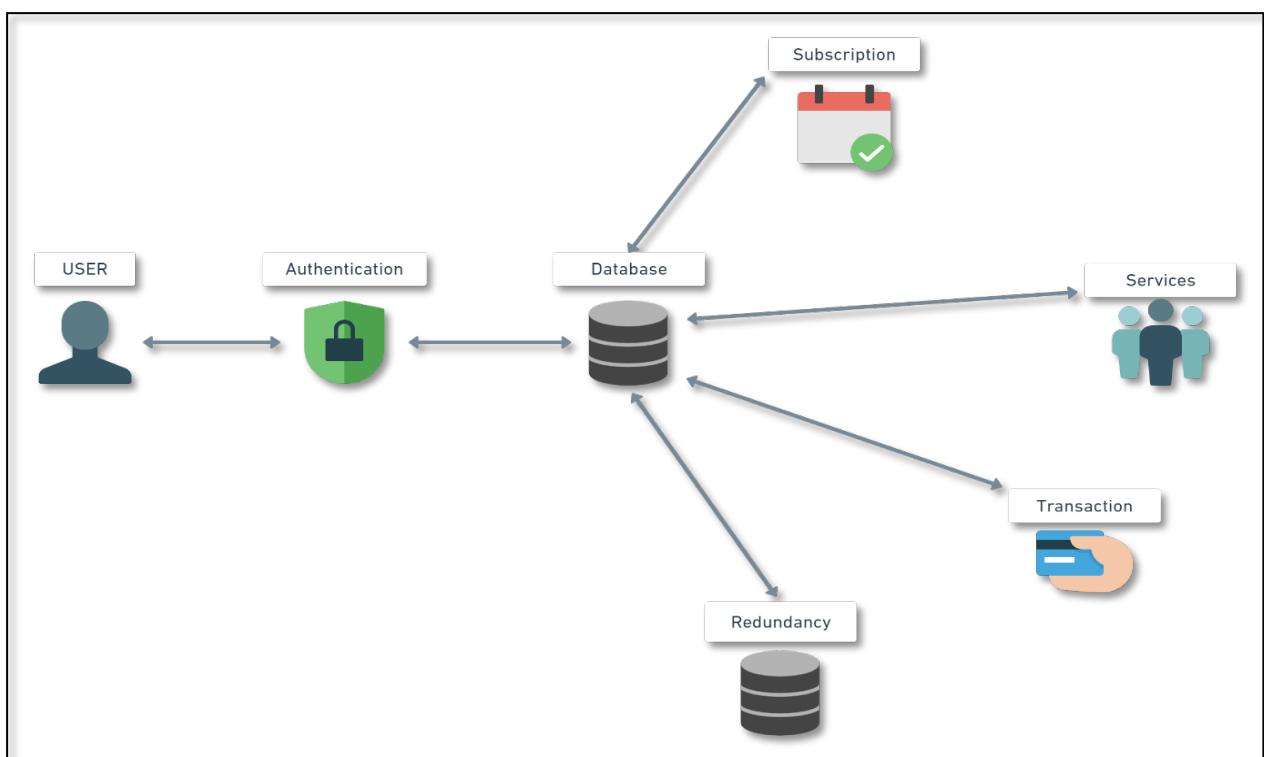
2.1 Product Perspective

Our product will provide homecare services to anyone above the age of a particular threshold. Our product is designed to provide comfort and assistance. The product provides clients with a living space at a lower cost and in a more comfortable environment. It also provides a clubbing system for senior people who live near to their homes and want to socialise with others.

The user can browse our services here, but they must first sign up to use any of them. The consumer will now have the option of acquiring a full apartment, living in it, or renting it out for a price, thereby becoming a premium user with access to all of the product's features. Our services include hospital visits, bank visits, personal function visits, and any other type of visit that requires support. All people will now be able to use these services for free. As a result, the purchaser is just required to pay for the room.

Now, if a consumer merely wants service and doesn't want to own or rent a room, our product can help. In that instance, the consumer has the option of signing up for a one-day, monthly, or yearly subscription. Except for medical visits, the consumer can only get a restricted number of visits with this service.

Our product is separated into four parts to accommodate all of the functions.



7. The authentication module verifies user credentials to ensure that only authorized users have access to the product. When a new user registers, this module stores their credentials in the database. When an existing member signs in, the system checks the credentials in the database and grants access to the program.
8. The database module keeps all of the data and gives users access to it when they need it. It keeps all of the login credentials, user information, all of the relevant employee information, information on room occupancy, volunteer duty times, and so on.
9. The redundancy module is essentially another set of storage locations that serves as the software's backup storage so that user data is not lost due to unexpected corruption of the primary data location.
10. The transaction module keeps track of all monetary transactions associated with renting and room assignment. It also keeps track of the employees' pay and guarantees that all employees' salaries are credited to their respective bank accounts as soon as they are due.
11. The service module guarantees that customer requests for services are handled efficiently and that volunteers and workers are properly managed. The service module makes sure that service requests are met as quickly as feasible. It also ensures that all volunteers/employees receive timely notifications regarding their responsibilities. Employees/volunteers' free time slots are also managed via the service module.
12. The subscription module is in charge of new user registration. The Subscription module examines the database for room availability and then sends a payment request to the Transaction module. As soon as the room is assigned, this module adds all of the client and room data into the database. Following the room assignment, it shows a welcome message and provides the user with all necessary information for their stay.

2.2 Product Functions

The product must be capable of carrying out the following tasks:

User Specific functions

1. The product should be able to create a new account in the database for a new user, which will aid with future authentication.
2. It must be able to query the database for any previous reservation requests in order to determine room availability.
3. It must be able to keep track of all booked rooms efficiently and deliver information to staff and users for booking.
4. The product must be able to authenticate the transaction and send invoices to the reference id.
5. The product should be able to distinguish between premium and non-paid consumers.
6. Because the user may wish to volunteer to perform service at a specific time, our product should be able to keep track of his information and schedule his time slots.

Employee Specific functions

1. The product must be able to keep track of employee information.
2. The solution must be able to efficiently maintain the employees' leave records so that there are no erroneous bookings in the system.
3. The product must be able to schedule all of the employees' time slots while taking into account their leave and working status.
4. The product must be able to inform employees of their service appointments.
5. The product must be able to keep track of salaries and require system authentication to update them.
6. The product must be able to distinguish between full-time paid employees and part-time volunteers.

Other Specific functions

1. The solution must be able to manage and schedule the dates and hours of the camp while also notifying all users in the database.
2. The product must be able to display the locations of all of the clubs in the city, as well as the services that each club offers.

2.3 User Classes and Characteristics

The purpose is to provide software for aged care facilities so that seniors who live away from their children can get help with daily tasks, health, banking, recreation, and travel.

The following user types are included in our system:

1. Employees
2. Volunteers
3. Staff
4. Customers
5. Locals
6. Organizers of the Camp
7. Database Administrators

As can be seen from the list, there are several users, each with their own user view and features when using our system. Our goal is to provide software that is simple to use for all types of users, including seniors.

As a result, each user type can be assumed to have the following characteristics while developing software:

1. The user has a basic understanding of computers and has little to no trouble utilising them.
2. The user is comfortable with credit/debit card or UPI online transactions.

2.4 Design and Implementation Constraint

The constraints, assumptions, dependencies, and guidelines that are imposed on software implementation are listed here.

1. The product must have a user-friendly interface, which is easy to understand for all types of users.'
2. The time it takes to load the screens and process the queries should not exceed 5 seconds.
3. Both the central and backup database servers should be updated on a regular basis. This data replication and updating from the central database server to the backup database server can cause significant slowness in the system's operation.
4. Data replication from the backup server to the central server must be asynchronous.
5. The product is only useful for people who know English.

2.5 Apportioning of Requirements

The following Three steps will be used to implement our product:

1. Iron Phase: At this early stage, our product will be able to provide service from a single location. Here, the product will provide its initial services, such as providing just fully paid and rented room bookings. And employees just supply minimal services. It will also organise clubs for residents alone, which will give residents with some indoor activities and enable interactions with non-residents members.

2. Silver Phase: Following the successful completion of the Iron Phase, we intend to deploy other clubs in the same city in various locations. Each sub-section of the city will be served by a club, which will assist our product reach a wider audience while also allowing residents to get out and engage with others.

3. Golden Phase: This is the stage of growth for our product. We plan to expand our product to other parts of the world in the future, allowing for a global service.

In each phase, the same functionalities will be developed; the only difference will be the number of centers and clubs that the product will give, as well as the scale of the implementation.

3. Specific Requirements

3.1 External Interface Requirements

The following list presents the external interface requirements:

- The product requirements are limited to basic computer hardware system like **mouse and keyboard, an internet connection and a web browser or application.**
- The product **does not require usage of sound**. The hardware and operating system require a screen resolution not more than 320 x 240 pixels (owing to the small form factor) or a usual smartphone with the application installed.
- Sound is not an essential feature but it can be considered for future variants of the system wherein the user will be greeted by his/her name as he/she logs in or the sound whenever the person gets some notification from the app.

3.2 Detailed Description of Functional Requirements

Table 1 shows a template that we have used to describe functional requirements for **three** types of users: customers, premium customers, and employees from which one can easily deduce the functional requirements for all user types with this template.

Table 1: Template for describing functional requirements

Purpose	A description of the functional requirements and its reasons
Inputs	What are the inputs; in what form will they arrive; from what sources can the inputs come; what are the legal domains of each input.
Processing	Describes the outcome rather than the implementation; includes any validity checks on the data, exact timing of operation (if needed), how to handle unexpected or abnormal situations
Outputs	The form, shape, destination and volume of output; output timing; range of parameters in the output; unit of measure of the output; process by which output is stored or destroyed; process for handling error message produced as output.

3.2.1 Functional Requirements for Welcome Screen

Table 2: Functional Requirements for Welcome Screen

Purpose	This screen gives you a quick rundown of our software. User will be able to sign up or login from this page and will be directed to their respective accounts.
Inputs	A user's account can be seen or created by utilizing a unique username and password. User can create their account via username and email id. A simple keyboard input is required.
Processing	If the user already exists in our database, he/she will be directed to their account. Else, a new user entry will be created in our database with a unique identification code associated to that user.
Outputs	Output consists of a screen of information specific to a user. For example, if a user is a premium user, then he/she will be able to see their allotted rooms and available services. If a user is a normal customer, he/she will be in an interface that directs them to their desired need.

3.2.2 Functional Requirements for Customer Screen

Table 3: Functional Requirements for Customer Screen

Purpose	This screen gives you options to choose between buying or renting a room, letting you become a volunteer for some time, and availing services.
Inputs	No keyboard inputs are required in this page. Only mouse click actions will be performed as chosen by user.
Processing	Whichever option is chosen by the user, the user will be directed to a page that lets him do the needful.
Outputs	Output consists of a screen of information specific to an activity that user has selected. For example, if the user desires to buy or rent a room he/she will get an option to book a room and after all the authentication and payment, person will become premium customer.

3.2.3 Functional Requirements for Premium Customer Screen

Table 4: Functional Requirements for Premium Customer Screen

Purpose	This screen will be visible only to the premium customers, i.e., who have a room allotted to them. This allows them to view their privileges.
Inputs	No keyboard inputs are required in this page. Only mouse click actions will be performed by user where they request for a specific service.
Processing	If the user requests for a service, the request will be processed and an employee will be allocated to them with an entry made in database.
Outputs	Output consists of a screen of information where users can view their available services, employee working for them and about the camps being organized in the care home. If a request has been made by the user, he/she will also be able to see the employee allocated to him/her.

3.2.4 Functional Requirements for Employee Screen

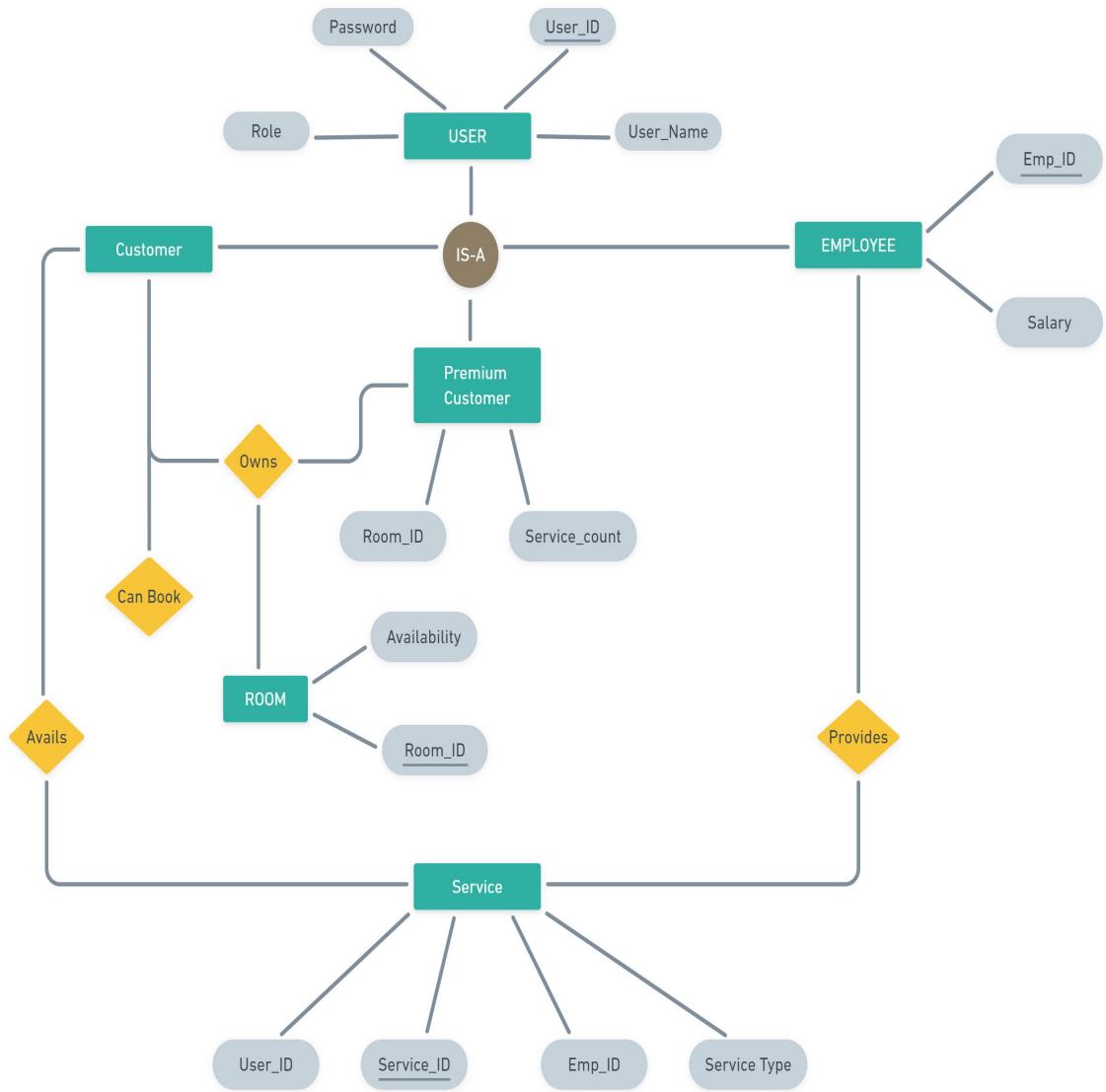
Table 5: Functional Requirements for Employee Screen

Purpose	This screen will be visible only to the employees. Here the employees can check their salaries, services they have to perform on daily basis, and can apply for leaves.
Inputs	No keyboard inputs are required in this page. Mouse click actions will be there, when an employee wants to request a leave or check salary.
Processing	The employee id will be authenticated from the database and then salary and leave status will be visible to him/her.
Outputs	The output screen of an employee will be his/her salary information, leave acceptance/rejection status, slots in which he/she has been booked for service, and the id of the user they have to perform the service for.

3.3 Performance Requirements

- The software is designed for android smartphones and web app can be used on any device by the means of a web browser like Google Chrome, Mozilla Firefox etc.
- The software will have multiple different interfaces depending upon the type of user whether it is the resident, employee or a volunteer.
- The software will allow users to book rooms, edit the bookings if needed, make payments, make a call for a volunteer, get notified about different medical camps and recreational activities. The employees will be able to check their salaries, keep track of deadlines and their duties etc.

3.4 ER-Diagram



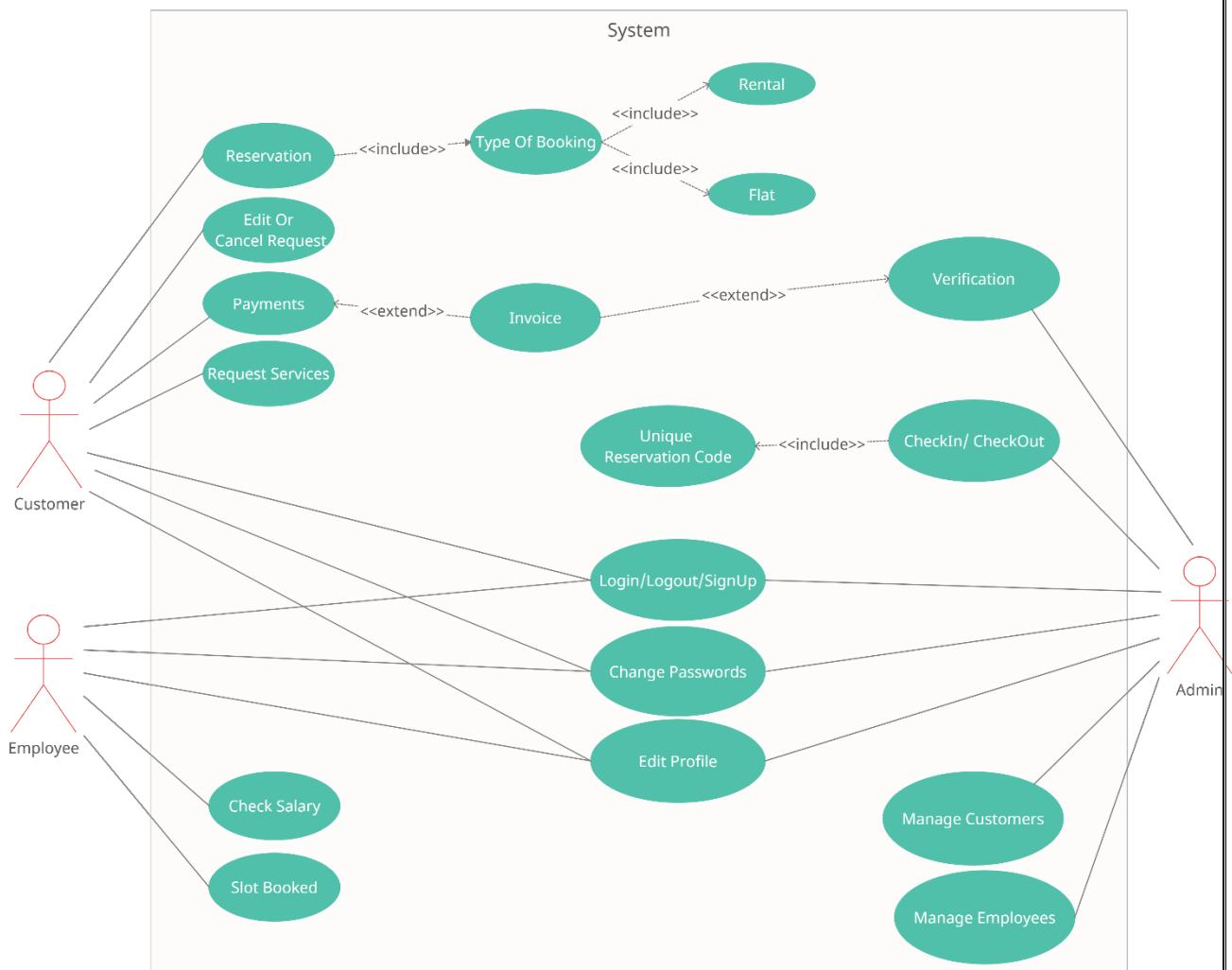
3.5 Quality Attributes

The product is targeted towards a wide variety of users such as **Adults, Old people, staff, volunteers, organizers**, etc. The product must **load quickly** and work efficiently on a variety of terminals including website and mobile application. It must also be able to tolerate wide variety of **input possibilities from a user, such as incorrect responses or unforeseen keystrokes**.

3.6 Other Requirements

No other requirements at this time.

4. Use Case Diagram



5. Change History

200209	Version 1.0 – Initial Release

6. Document Approvers

SRS for Aanandam-Care home for senior citizens approved by:

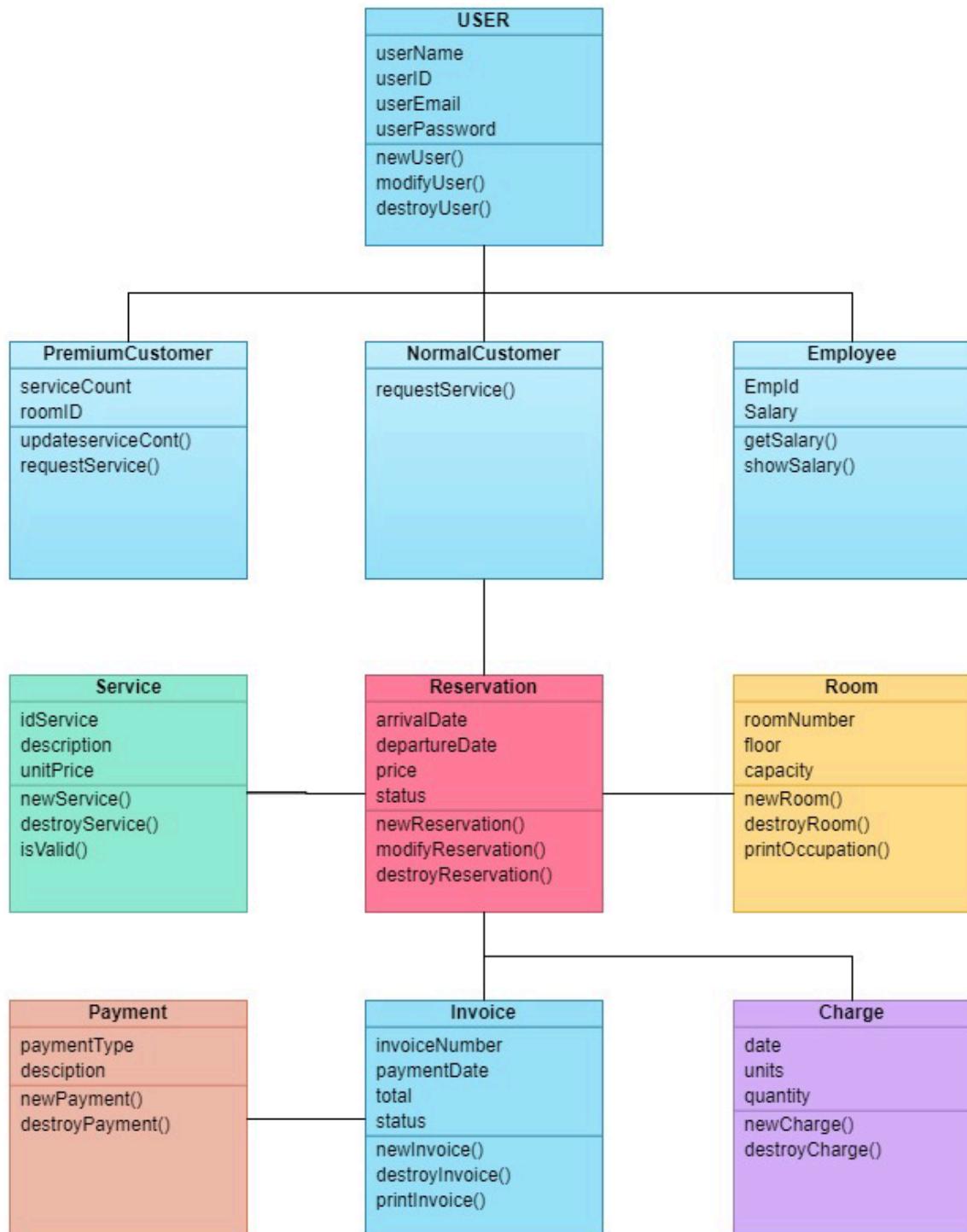
(name)

Designation:

Date:

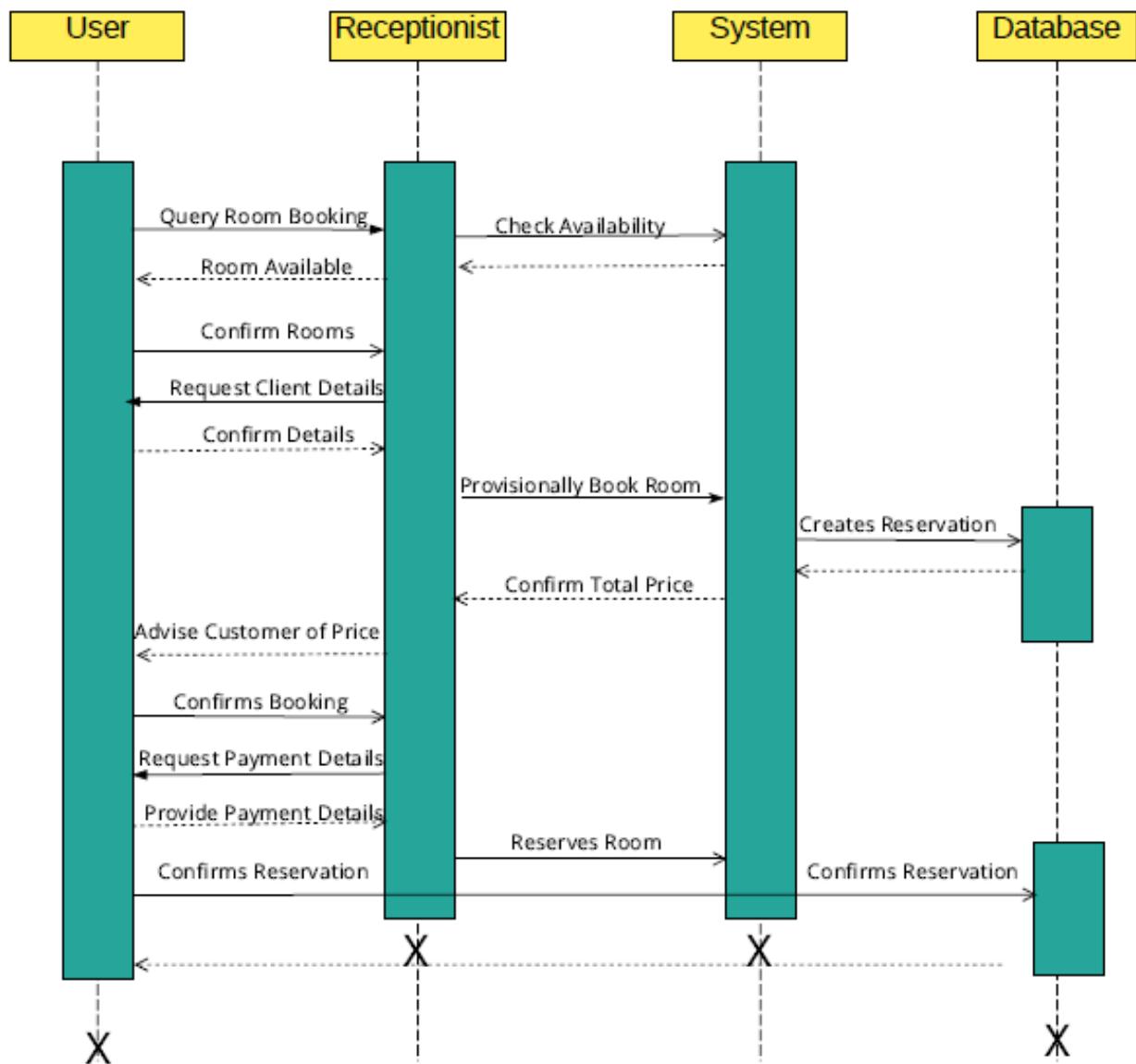
3. Designing Phase

3.1 Class Diagrams

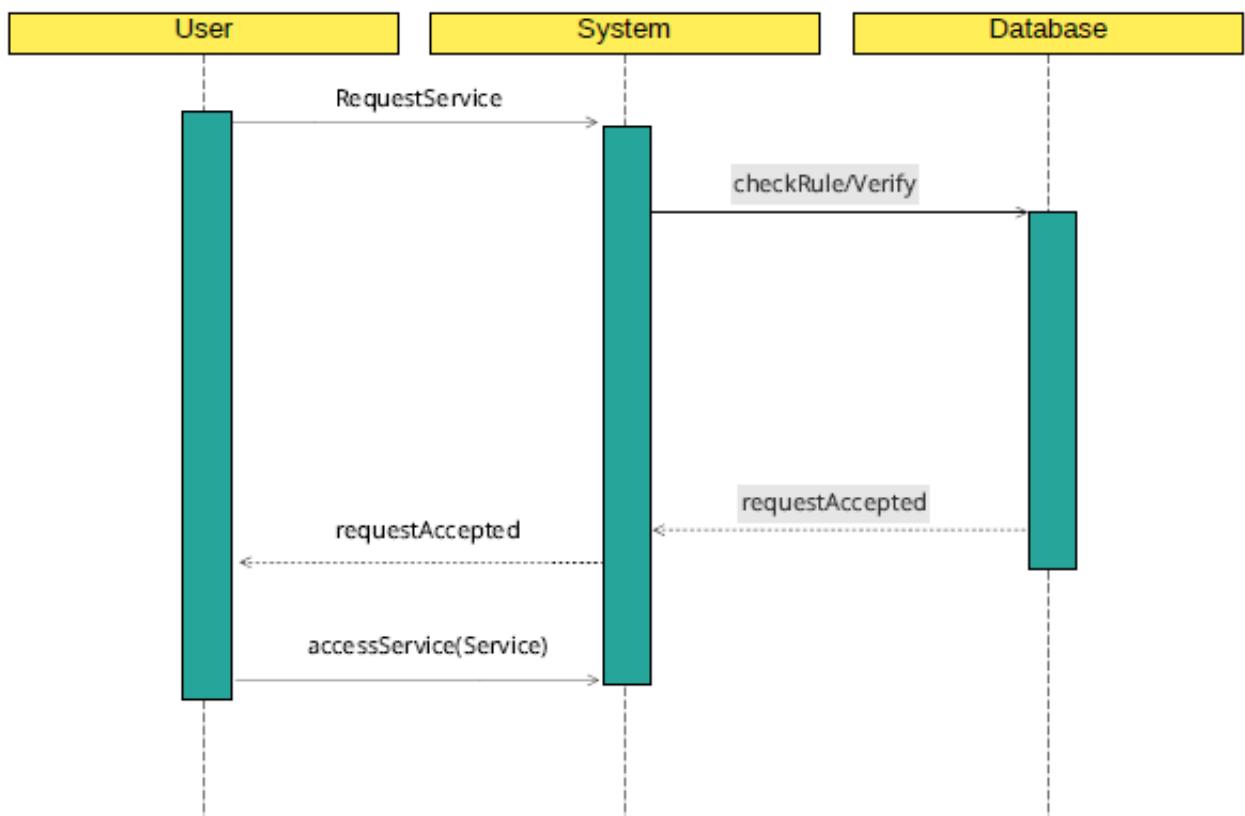


3.2 Sequence Diagrams

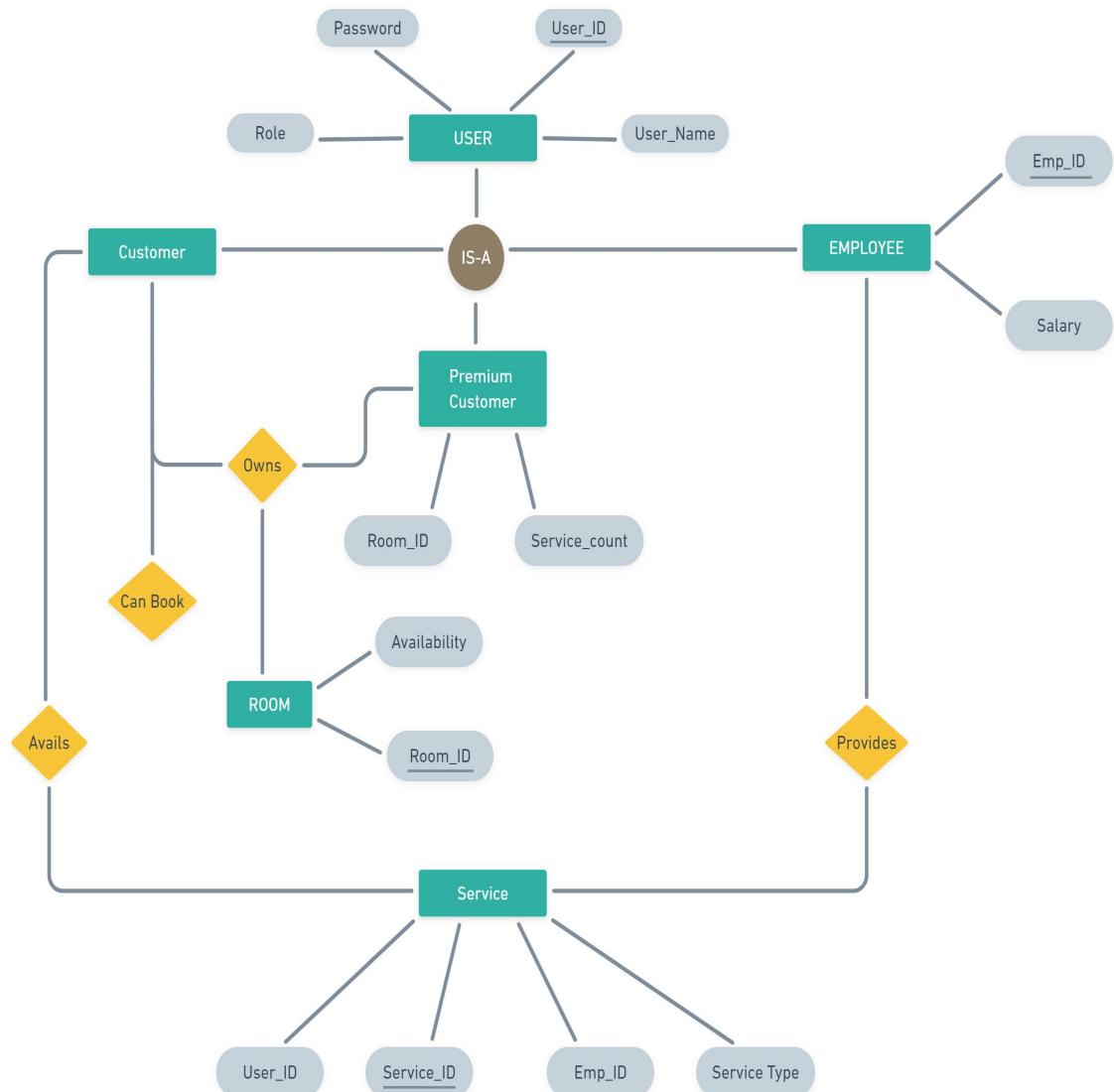
Room Booking SD



Request Service SD



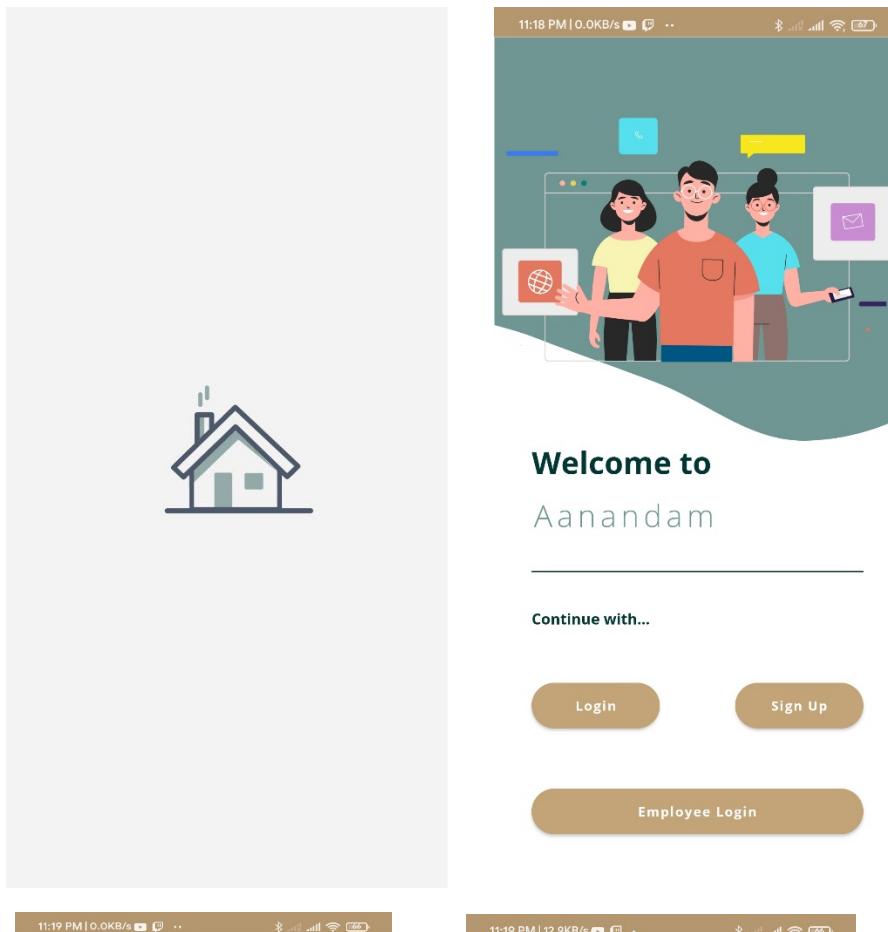
3.3 Database Design- ER diagrams



4. Prototyping GUIs

4.1 Screenshots

4.1.1 App



Create Account

Create your Account

Name	Anurag
Email ID	@ aigkaraig@gmail.com
Password	*****
Confirm Password	anurag1234

Register

Already have a account? [Login](#)



Hang On!!

11:20 PM | 63.1KB/s

11:20 PM | 0.6KB/s

Let's Make Our Life Simple

Book Service

All 1BHK 2BHK 1 Person

₹ 6799

Bhramaputra
103
Saharanpur
1BHK 1 person
₹ 5699

Jhelum
104
Saharanpur
2BHK 2 person
₹ 6899

APPLY FILTER

103
Saharanpur
1BHK 1 person
₹ 5699

Jhelum
104
Saharanpur
2BHK 2 person
₹ 6899

Discover

11:20 PM | 0.7KB/s

11:20 PM | 145KB/s

Let's Make Our Life Simple

Book Service

All 1BHK 2BHK 1 Person

Narmada
102
Saharanpur
2BHK 2 person
₹ 6799

Jhelum
104
Saharanpur
2BHK 2 person
₹ 6899

Popular Services

Hospital Visit
Believe us!

Function V
Enjoy without

All Services

Hospital Visit
 Function Visit
 Bank Visit
 Marriage Visit
 Calm Visit

Services 0 Services availed till now
Hope you are enjoying our services

Discover Services

11:21 PM | 0.0KB/s

Hospital Visit

Believe us! ₹ 250

Accomodations

- Assistant
- Car facility
- Allowance

Details

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus ac luctus arcu. Maecenas eget pretium ante. Mauris ornare tortor non nunc ultrices luctus. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Mauris felis nibh, congue a ornare eget, commodo sed odio. Aliquam erat volutpat. Quisque et malesuada mauris. Ut dictum magna eu interdum sollicitudin. Integer sollicitudin felis eu metus lobortis tincidunt. Nam eget convallis enim, ut sagittis leo. Etiam blandit nibh molestie diam tincidunt convallis. Vestibulum nulla sapien, finibus eu odio eget, sodales rhoncus nisi. Donec at purus eget enim porttitor ullamcorper. Nulla egestas rhoncus arcu, vel aliquam ante hendrerit tincidunt.

Book the Service

11:21 PM | 0.0KB/s

11:21 PM | 0.0KB/s

Hospital Visit
Believe us!
Service is Available

2021
Tue, 14 Dec

December 2021 **>**

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

CANCEL **OK**

Service Charge ₹ 250
Service Charge ₹ 500

Total ₹ 750

11:22 PM | 0.1KB/s

Hospital Visit
Believe us!
Service is Available

2021
Wed, 15 Dec

December 2021 **>**

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

CANCEL **OK**

Service Charge ₹ 250
Service Charge ₹ 500

Total ₹ 750

11:22 PM | 0.0KB/s

Hospital Visit
Believe us!
Service is Available

Phone Number
9882635115

Pick Up Address
Aanandam Campus

Destination Address
Aims delhi

Extra Description
early morning 8:00 Am

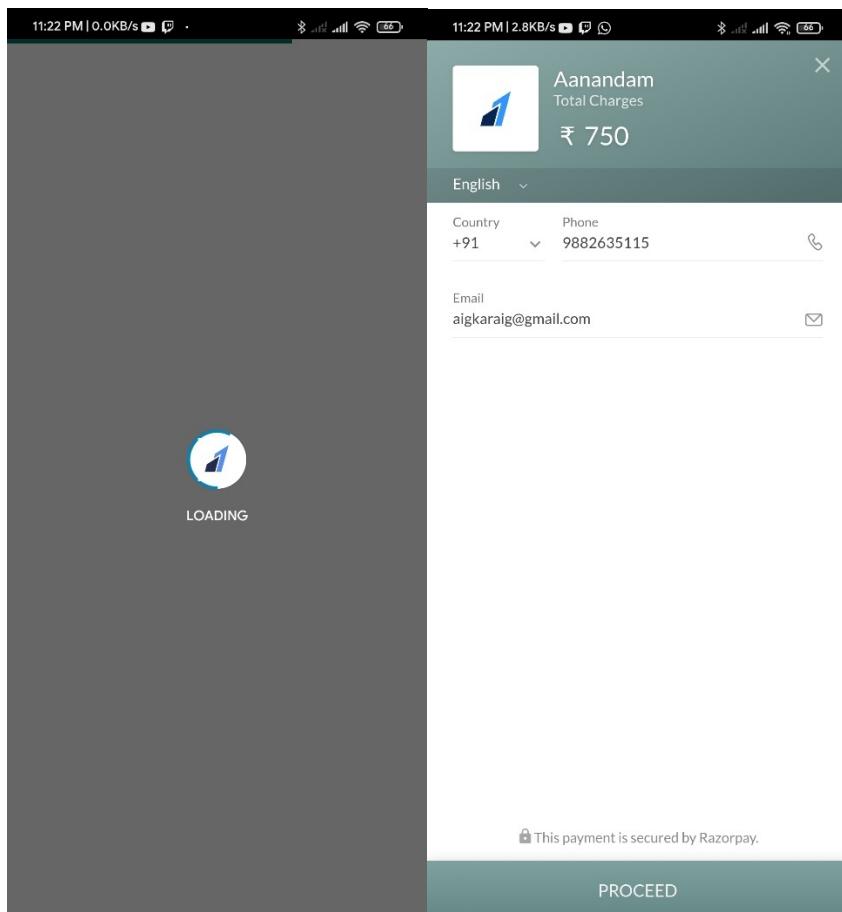
Check In 14/12/2021 **Check Out** 15/12/2021

Payment Details

Service Charge ₹ 250
Service Charge ₹ 500

Total ₹ 750

Payment



This screenshot shows a mobile application interface with two windows side-by-side.

Left Window (Payment Methods):

- PREFERRED PAYMENT METHODS**
- UPI - Google Pay** (selected, indicated by a checked checkbox)
- UPI - PayTM**

Right Window (Card Details):

- Add New Card**
- Card Number**: 4111 1111 1111 1111 (VISA logo)
- Expiry**: 03 / 23
- Card Holder's name**: Anurag Kanwar
- CVV**: • • • |

Bottom Summary:

CARDS, UPI & MORE

- Card**: Visa, MasterCard, RuPay, and Maestro
- UPI**: Google Pay, PhonePe & more
- Netbanking**: All Indian banks
- Wallet**: MobiKwik & More
- Pay Later**: ePayLater & More

PAY ₹ 750



Welcome to Razorpaly Software Private Ltd Bank

This is just a demo bank page.

You can choose whether to make this payment successful or not:



Success

Payment Success

Your Services :

Hospital Visit

Employee Allotted : Surjit Singh
Date : 2021-12-14

ANURAG

Joined
1 months Ago

Services

Total Services availed :	1
Free Services Remaining	--



Popular Services

- Hospital Visit Believe us!
- Function Visit Enjoy without

All Services

- Hospital Visit
- Function Visit
- Bank Visit
- Marriage Visit
- Cafe Visit

Accomodations

- Wifi
- Induction
- Laundry
- Mess
- Gym
- Service

Details

Lore ipsum dolor sit amet, consectetur adipiscing elit. Phasellus ac luctus arcu. Maecenas eget pretium ante. Mauris ornare tortor non nunc ultrices luctus. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Mauris felis nibh, congue a ornare eget, commodo sed odio. Aliquam erat volutpat. Quisque et malesuada mauris. Ut dictum magna eu interdum sollicitudin. Integer sollicitudin felis eu metus lobortis tincidunt. Nam eget convallis enim, ut sagittis leo. Etiam blandit nibh molestie diam tincidunt convallis. Vestibulum nulla sapien, finibus eu odio eget, sodales rhoncus nisi. Donec at purus eget enim porttitor ullamcorper. Nulla egestas rhoncus arcu, vel aliquam ante hendrerit tincidunt.

Book the Room

Aanandam Total Charges ₹ 8,499

Add New Card

Card Number 4111 1111 1111 1111	VISA	Expiry 03/23
Card Holder's name Anurag Kanwar	CVV • • •	

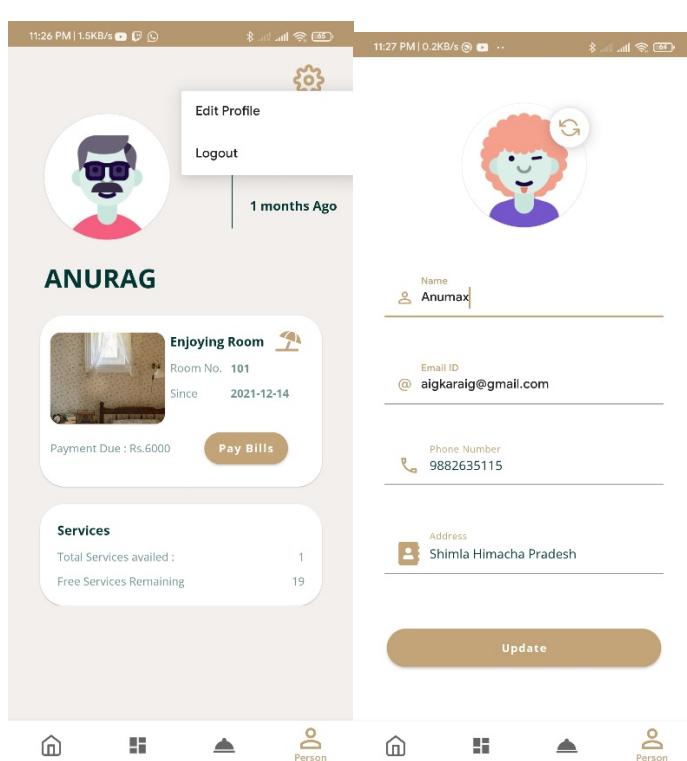
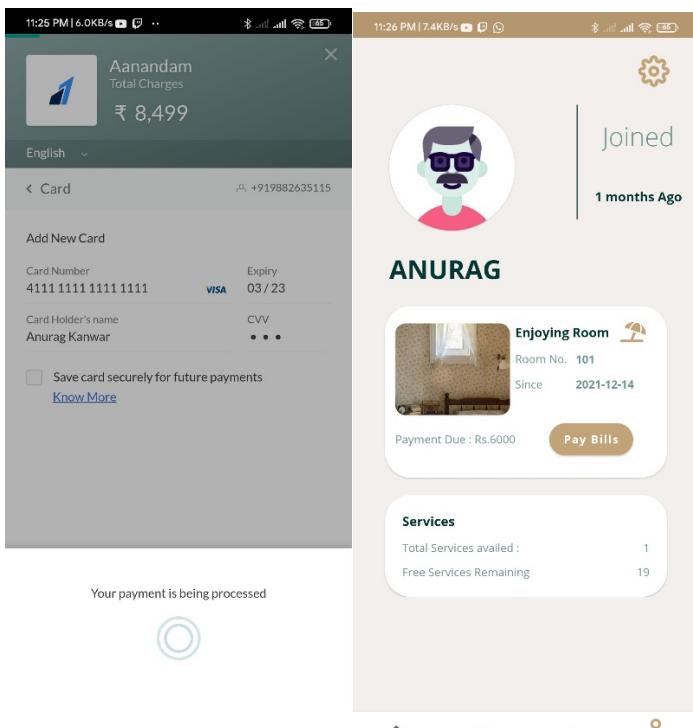
Save card securely for future payments
[Know More](#)

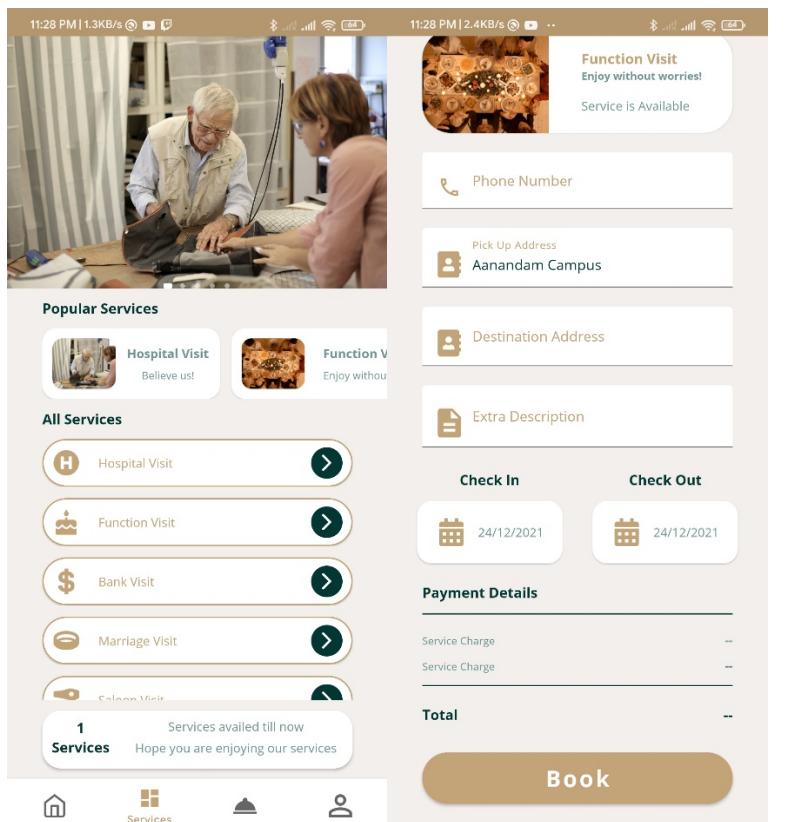
Payment Details

Room Charges	Rs.5999
Security Deposit	Rs.1000
Monthly Charge	Rs.1000
Total	Rs.8499

Payment

PAY ₹ 8,499





Please Sign in to Continue

Email ID
@ Surjit@gmail.com

Password
12345

Login

[Forgot Password?](#)



Hang On!!

11:30 PM | 0.1KB/s ② .. 11:30 PM | 38.9KB/s ② ..



Joined
8 months Ago

Surjit Singh

Upcoming Services :

Hospital Visit

Customer Name : Anumax
Date : 2021-12-14

No upcoming Services

Apply For Leave
Please apply 2 days prior to Admin.

Salary
Monthly Salary : 6000

Surjit Singh : Apply For Leave :

From 13/12/2021 **To** 16/12/2021

Title Marriage leave

Extra Description Marriage of brother

Submit

11:31 PM | 21.1KB/s ② .. 11:31 PM | 0.1KB/s ② ..



Joined
8 months Ago

Surjit Singh

Upcoming Services :

Hospital Visit

Customer Name : Anumax
Date : 2021-12-14

No upcoming Services

Apply For Leave
Please apply 2 days prior to Admin.

Salary
Monthly Salary : 6000



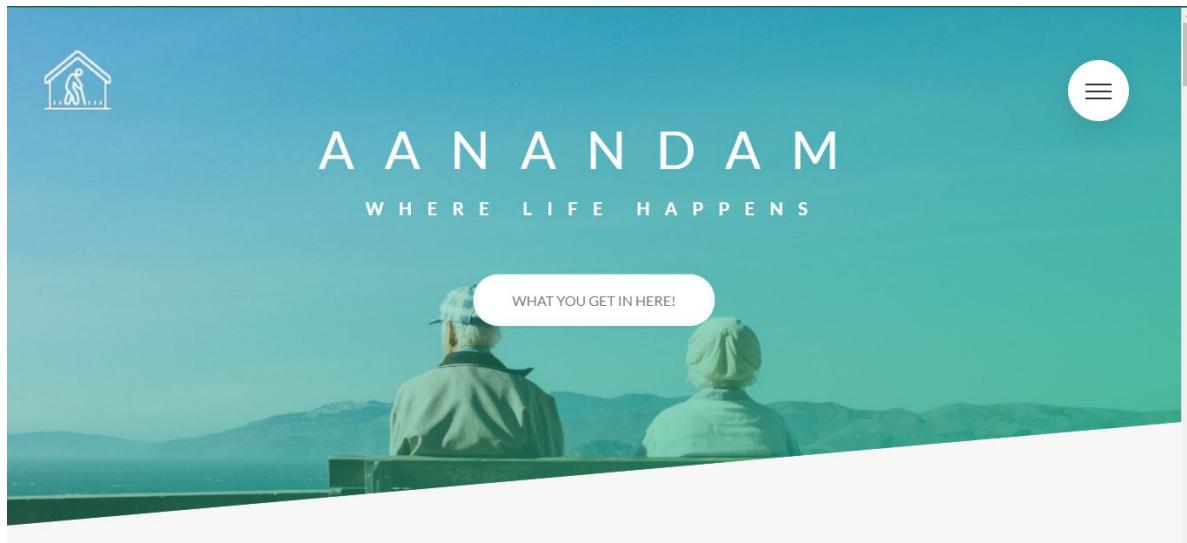
Forgot Password

Enter your email address for the verification process.
Check your email and proceed further.

Email ID
@ aigkaraig@gmail.com

Continue

4.1.2 Website



WE PROVIDE THE BEST FACILITIES

YOU ARE GOING TO FALL IN LOVE WITH NATURE AROUND!

Aanandam is a senior citizen care home, surrounded by serene beauty of nature. We provide the best living facilities to elderly people. Beautiful rooms, tasty 'n' healthy food, because we do not compromise with health.

LIVE A LIFE YOU WILL REMEMBER!

Regular health check up camps, activities, games n fun. A temple in the area, so that you never miss your evening sandhya!

- REGULAR HOSPITAL/BANK VISITS**
We don't want you missing any of your check ups.
- MEET THE CHILD INSIDE YOU**
Fun activities to keep the child inside you happy!
- OTHER SERVICES LIKE GOING TO MARKET**
We don't want you to miss any sales/shopping!
- MARRIAGE/FUNERAL VISITS**
Visit your near and dear ones in their happy and sad times!

PREMIUM MEMBERS

- Own the flat!
- Upto 2BHK
- 24x7 Employees at your service
- Tasty 'n' healthy food
- Kitchen Facility
- Payment: At once

RENTAL MEMBERS

- Rent the flat
- Upto 2BHK
- 24x7 Employees at your service
- Healthy 'n' Tasty Food
- Kitchen Facility
- Payment: Monthly

REGULAR MEMBERS

- Dormitories For Stay
- Upto 5 people
- 24x7 Employees at your service
- Tasty 'n' Healthy Food
- Mess Facility
- Payment: At the time of booking service

WE MAKE PEOPLE GENUINELY HAPPY

COULDN'T HAVE BEEN HAPPIER!

The living facilities are better than expected from care homes. There is something about this place, that just catches your heart. I am loving my stay here. The employees are very polite and soft spoken. The prices are also very genuine.

WOW! MY LIFE IS COMPLETELY DIFFERENT NOW

I am really happy with the services provided. The food is really good and tasty. The clubs keep us engaged and feel as a part of this "Aanandam" family. The place

REGISTER NOW!

User Name

Email id

Password

NEXT STEP →

5. Testing

5.1 Test Plan

5.1.1 Payment Feature:

Our first test case is Payment Feature. We have used “Razorpay” integrated platform for the payments that users will be making for booking their services or room booking in Aanandam. The platform will require user to fill in their email id, bank details through which they wish to make payment. All the facilities supported in Razorpay can be used like card payment, net-banking etc. Although in the test case we have shown only card payment because only Dummy Card is available for testing. After successful booking, success screen is shown based on what the payment is done for (room or services).

5.1.2 Services Feature:

Our second test case Services Feature. The feature allows user to book a service for themselves. For a premium member, there are a certain number of free services that he/she can avail. But when this limit is crossed, they have to pay the normal service charges. There is a counter that shows how many free services user can still avail. There are certain services that are free for both premium and normal users. For other services, normal users have to pay the service charge as per the service they avail. Also, Employees will get a notification when they are booked for a service. Date, time and name of customer will be visible to the employee along with any specific instructions they have given. These services will be visible to employee. They can see their services booked for the next 7 days.

5.2 Test Plan

5.2.1 Payment Feature:

Payment Details

Room Charges	Rs.5999
Security Deposit	Rs.1000
Monthly Charge	Rs.1000
Total	Rs.8499

Payment

PAY ₹ 8,499

5.2.2 Services

The top half shows a booking interface for a room named 'Beas' at address '101 Saharanpur'. It displays a thumbnail image of the room, contact information (Phone Number: 9882635115), and check-in/check-out dates (14/12/2021 - 17/12/2021). A payment summary shows Room Charges (Rs.5999), Security Deposit (Rs.1000), and Monthly Charge (Rs.1000), totaling Rs.8499. A 'Payment' button is present.

The bottom half shows a payment confirmation screen for 'Aanandam' with a total amount of ₹ 8,499. It includes fields for Card Number (4111 1111 1111 1111), Expiry (03/23), Card Holder's name (Anurag Kanwar), and CVV (• • •). A checkbox for saving the card for future payments is shown, with a 'Know More' link.

The top section, titled 'Your Services :', lists a 'Hospital Visit' entry for Surjit Singh, allocated by Employee Surjit Singh on 2021-12-14.

The central profile area shows a circular profile picture of Surjit Singh, a gear icon labeled 'Joined 8 months Ago', and the name 'Surjit Singh'.

The 'Upcoming Services :' section shows a 'Hospital Visit' entry for Customer Name Anumax on 2021-12-14. Below it, a message states 'No upcoming Services'.

The bottom section includes buttons for 'Apply For Leave' (with a note: 'Please apply 2 days prior to Admin.') and 'Salary' (Monthly Salary: 6000).

At the bottom, there are navigation icons for Home, Booked Services, and Profile.

5.3 Test Report

Both the test cases have been tested by the developers taking into consideration the edge test cases and vulnerable conditions. All the test cases have passed without any glitch or other failure and satisfy the requirements they should.