

ONLINE HOME SERVICE SYSTEM

MCA Semester III MCA-37 : Mini Project - II

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

MASTER OF COMPUTER APPLICATIONS

S K Patel Institute of Management & Computer Studies

SUBMITTED TO



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Kadi Sarva Vishwavidyalaya
S.K. Patel Institute of Management and Computer
Studies - MCA



CERTIFICATE FROM DIRECTOR

This is to certify that the project documentation entitled 'ONLINE HOME SERVICE SYSTEM' is bonafide project work done by Mr./Ms. CHAUDHARY KINJAL , GOYANI JASVIN , in partial fulfillment of the requirement for the award of degree of Master of Computer Application at S.K. Patel Institute Of Management & Computer Studies - a constituent college of KADI SARVA VISHWAVIDYALAYA.

I further certify that the project work done by them is original work carried out under the supervision and guidance.

Date: _____

Director



Kadi Sarva Vishwavidyalaya
S.K. Patel Institute of Management and Computer
Studies - MCA



CERTIFICATE FROM INTERNAL SUPERVISOR

This is to certify that the project report compiled by Mr./Ms. Chaudhary Kinjal and Goyani Jasvin, students of semester-3 from MCA department, S. K. Patel Institute of Management & Computer Studies, a constituent college of Kadi Sarva Vishwavidyalaya, Gandhinagar, is done under my guidance. To the best of my knowledge, this work is satisfactorily completed. During the tenure, he/she was found to be very hard working and sincere. He/She completed all the tasks assigned and suggested to him/her.

Comments:

- 1
- 2
- 3

Date: _____

Name & sign of Internal Supervisor



**Kadi Sarva Vishwavidyalaya
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DECLARATION

We hereby declare that the project entitled “Online Home Service System” submitted for the M.C.A. Degree is my original work and the project has not formed the basis for the award of any degree or any other similar titles in any other University.

Signature of the Student:

1

2

Place:

Date :

Name & sign of Internal Supervisor

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1) INTRODUCTION

- This system is providing the online service at home. This system provides all kind of service that you need to your home. An online home service system is a digital platform that facilitates the booking and management of various home-related services through an easy-to-use website or mobile app.
 - Service providers list their offerings, including detailed descriptions, pricing, availability, and reviews from past customers.
-
- **This system is providing this type of services: -**
 - **Home maintenance:** plumbing, electrical repairs and appliance repair.
 - **Cleaning services:** regular housekeeping, deep cleaning, carpet cleaning, and specialized services.
 - **Handyman services:** general repairs, furniture assembly, and minor renovation tasks.
 - **Specialized services:** pest control, landscaping, and home security repairs.

2.) CURRENT / EXISTING SYSTEM

2.1) study of current existing system

Our current existing system is **urban company** and **just dial**

- This system is a manual register to collect all the information of the service agents and the company
- All types of data cannot be handled in the excel sheet in MS word
- The best experts in-home service, painting, pest control, home cleaning, home decoration, plumbing, electrician work and carpentry service are involved in a system to provide a happy and healthy home atmosphere in order to satisfy consumers.

2.2) FLOW CHART DIAGRAM OF EXISTING SYSTEM

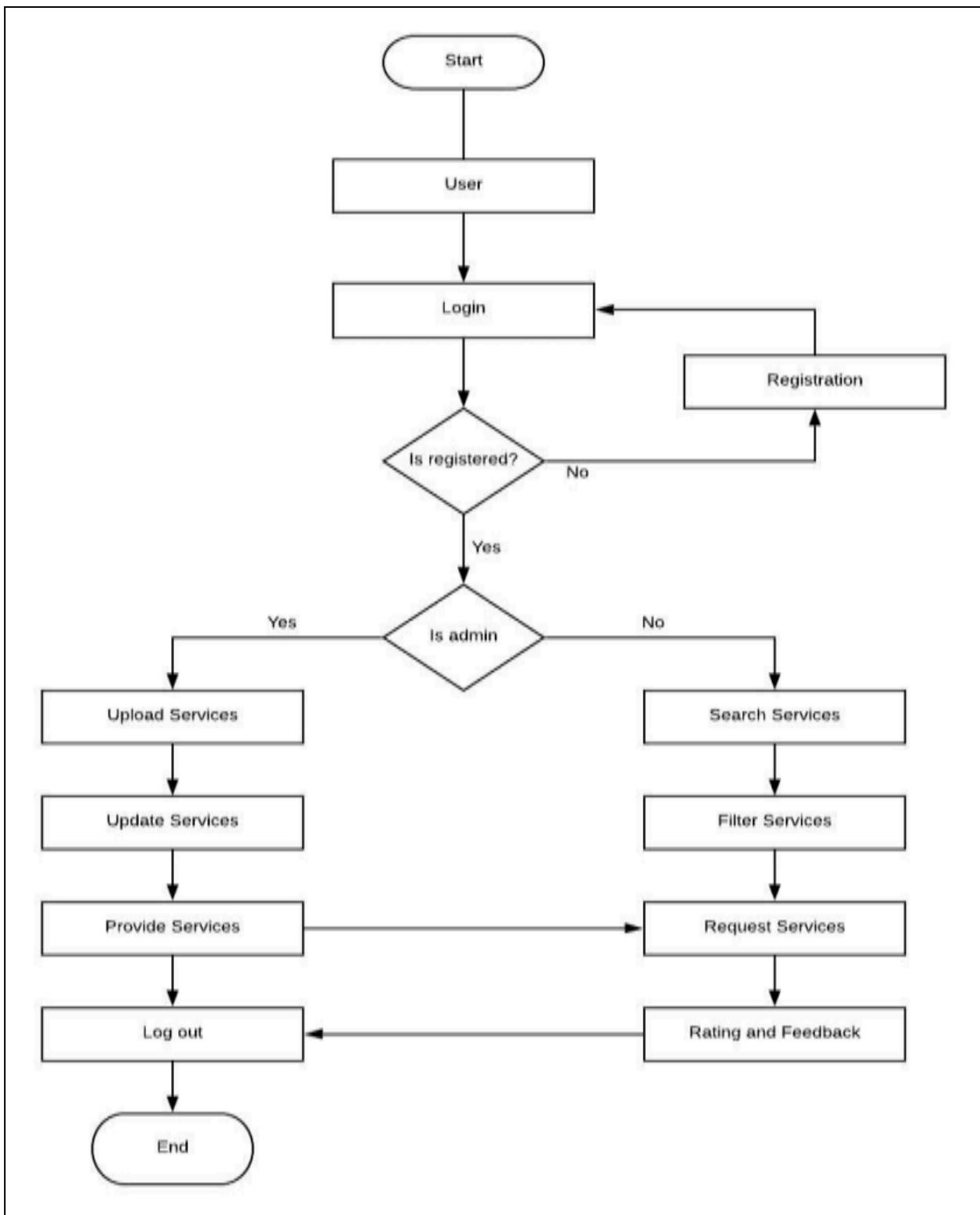


FIG 2.2: FLOWCHART DIAGRAM OF EXISTING SYSTEM

2.3) DRAWBACK OF EXISTING SYSTEM

- Discount and offer are only available on specific services
- You can't apply more than one coupon code at the time
- In this system forming procedure is too long
- Seek advice from experts who know how to get the work done.
- Just dial aggregates a large number of service providers, and the quality can vary significantly. Users might find it challenging to assess the reliability or quality of a service provider solely based on online information.
- The authenticity of user reviews can be questionable. Some reviews might be biased, fake, or incentivized, which can mislead potential customers
- The large number of options available can sometimes be overwhelming, making it difficult for users to make an informed decision.
- His platform relies heavily on user-generated content and reviews, which can be subjective and vary in quality.
- Just dial doesn't verify the authenticity, quality or relevancy of this business listing nor does it concern itself with other listings that might be more relevant to the query.

3. PROPOSED SYSTEM (MODULES, FEATURES, SCOPE):

Aim: - delivering the home service at the doorstep just by one click.

- The proposed system involves three users which include an admin, a service provider and a customer
- We will provide the information and details of the service agents and company as per your requirement near you
- The activity in this tab is unsure that all parties in the project agree on the objective and are committed to the success of the project
- We discuss the earlier needs for the agreed objective for a project and way of maturing the success in achieving those objectives.
- Develop an approach to integrated resource data management
- To provide training to staff of different departments in the use of remote sensing output and their planning/ development activities

3.1) MODULE OF THE HOME SERVICE SYSTEM

ROLE OF ADMIN

- **Login:** Admin can a login
- **Add Service provider:** user can successfully add or update the service provider
- **View schedule:** Admin can view the schedule from the user and service provider both side
- **Payment:** and after the user can pay the money in the system and admin get online payment details.

ROLE OF USER

- **Registration:** Users will have to register themselves in the system.
- **Login:** user will own a login
- **Service order:** user cans successfully login/registration he can service order
- **Payment:** and after user can pay the money of service

ROLE OF SERVICE PROVIDER

- **Registration:** service providers can register themselves in the system.
- **Login:** Service provider can login with username and password.
- **Add service:** service provider can add the services.
- **View schedule:** service provider can view the schedule from the user side
- **Service status:** service provider can show the status

3.2) FEATURES OF THE PROPOSED SYSTEM

- User can quickly book their service than the existing system
- Easy of menu customization
- real-time scenes platform
- Easy payment option
- Save valuable time than the existing system
- Showcase tasty to attract customer
- User easily searches the city and required service
- in our system user-friendly features

3.3) SCOPE OF THE PROPOSED SYSTEM

- An **Online Home Service System** is a platform that connects customers with service providers for various home-related tasks, such as plumbing, cleaning, and electrical repairs. Customers can search for services, book appointments, and make secure payments online. Service providers can manage bookings, track job statuses, and receive customer ratings. The system simplifies finding and scheduling reliable home services through a convenient and efficient interface.

4. HARDWARE AND SOFTWARE SPECIFICATION

SOFTWARE REQUIREMENTS

Operating System	Linuxx86_64
Application Software	PhpMyAdmin , cPanel 64.0 (Build 19)
Software Tool	Word press 4.7.2 (Html, Php, Java Script, CSS, Xml, Perl 5.10.1)
Database	My SQL 10.0.30-Mariadb
Payment Gateway	Any Payment Gateway Viz., Papal, Instamojo.
Operating System	Any Operating System That Supports Browser
Application Software	Any Java Script Enabled Web Browser

HARDWARE REQUIREMENTS

Processor	Any Processor X86 Or X64 Supportive to Software Required.
Disk Space	25-50 Mb (For Browser Installation)
Ram	256 Mb

5. ANALYSIS:

5.1) FACT FINDING

- Fact-finding is the formal process of using research, meetings, interviews, questionnaires, sampling, and other techniques to collect information about system problems, requirements, and preferences.
- it is also called information gathering or data collection

5.1.1) FACT FINDING METHOD

- Research and Site Visits.
- Computer And Data Analysis
- Surveys
- observation of the work environment.
- Questionnaires.
- Interviews.
- Prototype Testing
- Contextual Inquiry
- Expert Consultation
- Documentation Reviews

5.2). FEASIBILITY STUDY OF SYSTEM

TECHNICAL FEASIBILITY STUDY:

- Assess the technical requirements for developing and maintaining the online platform.
- Evaluate the availability of necessary technology, such as servers, software, and security systems.
- Computer systems may crash or the failure of data may occur.

OPERATIONAL FEASIBILITY:

- Evaluate the day-to-day operations of the online home service system.
- Consider the ease of use for both service providers and customers.
- Assess the feasibility of integrating the system with existing home service providers.
- Examine the logistics of service delivery and vendor coordination.

FINANCIAL FEASIBILITY:

- Estimate the initial investment required for system development and launch.
- Project operating costs, including server maintenance, marketing, and customer support.
- Develop a revenue model, considering subscription fees, transaction fees, or other monetization strategies.
- Calculate the return on investment and the payback period for the initial investment.
- Developer salary and other related costs. Application maintenance charges.

SCHEDULE FEASIBILITY:

- Schedule feasibility means that a project can be implemented in an acceptable time frame. If after project publishing any bugs and errors occurs, we immediately try to fix the bugs or errors. The specific deadline is given to complete this project and it is 6 to 8 months.
- Requirement gathering and analysis is completed in (4-5 days).
- System design phase is completed in (1week).
- Implementation is completed in (2week).
- Integration is completed in (1week).
- Deployment of the system is completed in (1week).

5.3) PROCESS MODEL

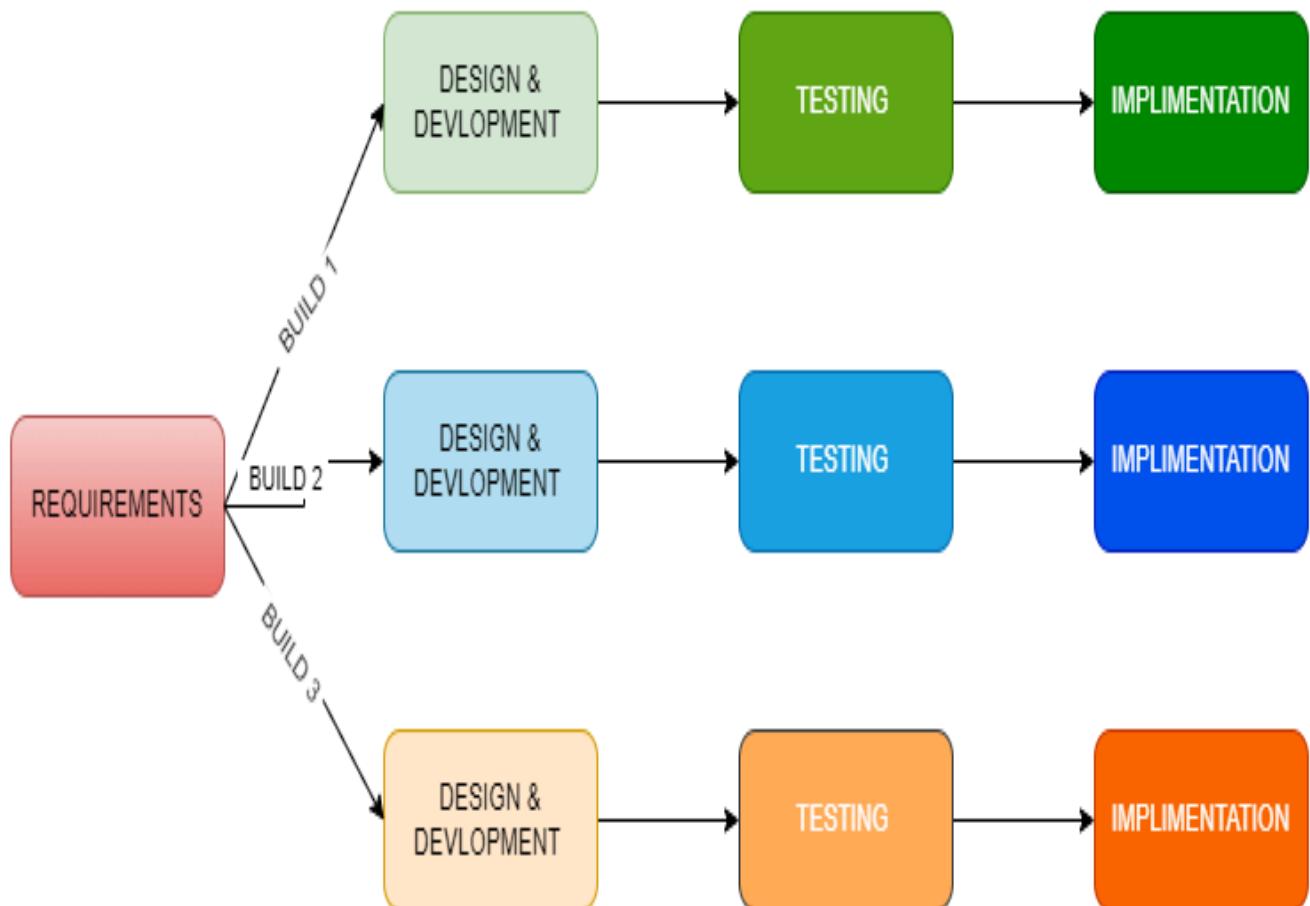


FIG 5.3: - INCREMENTAL PROCESS MODEL

5.4). DIAGRAMS

5.4.1). Estimated Gantt Chart/Timeline Chart

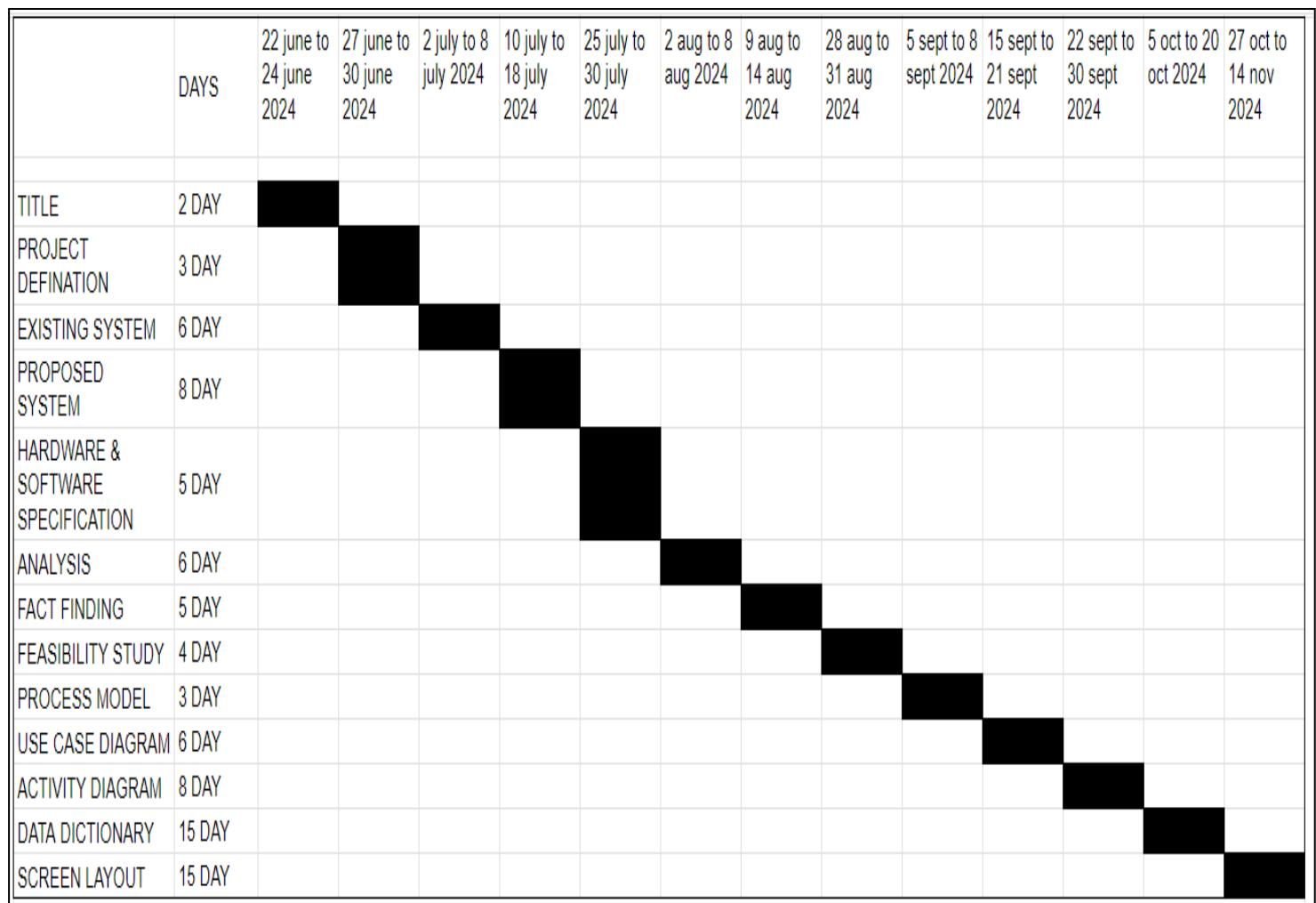


FIG 5.4.1: (ESTIMATED GANTT CHART/TIMELINE CHART)

5.4.2). USE CASE DIAGRAMS

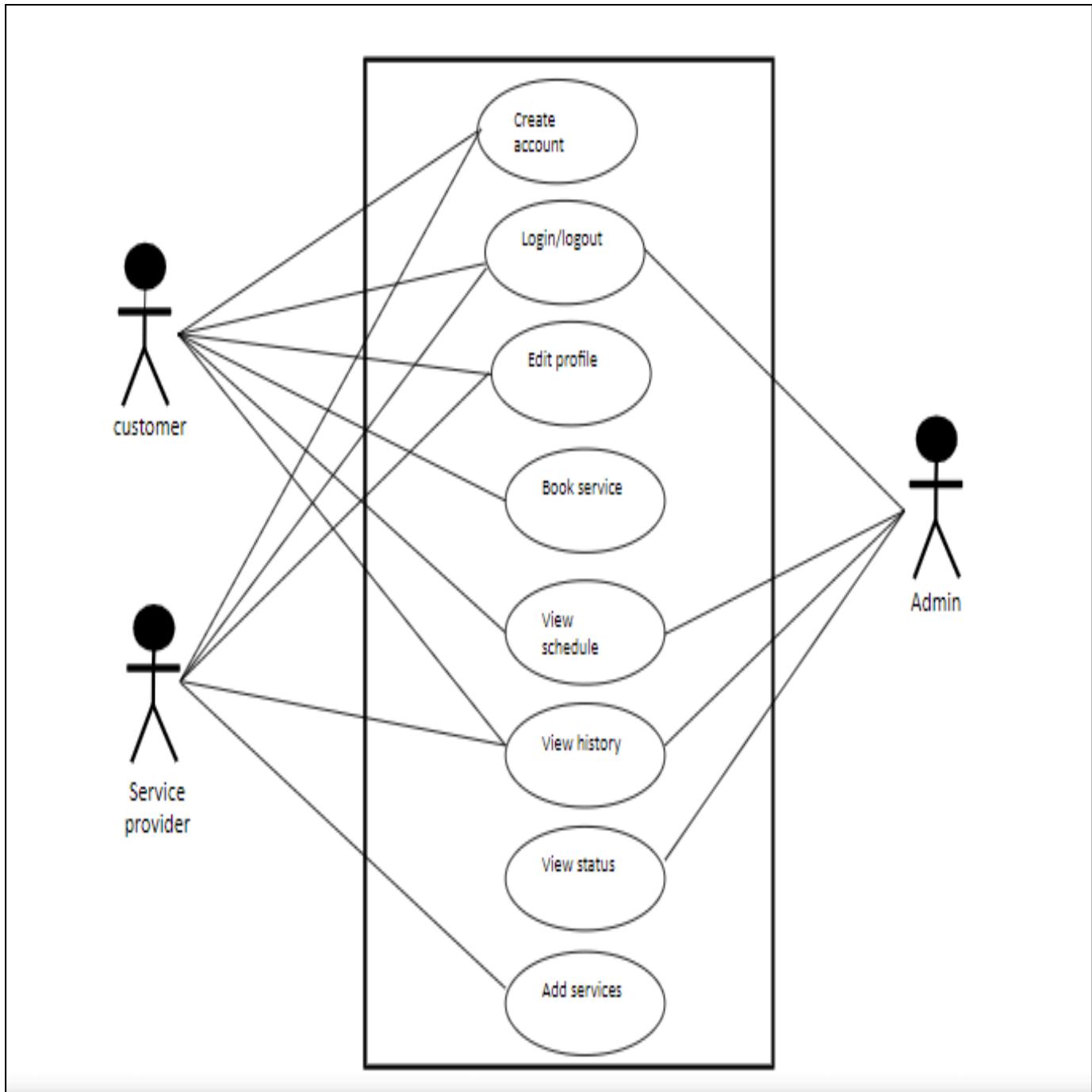


FIG 5.4.2: USE CASE (ADMIN, USER, SERVICE PROVIDER)

5.4.3). ACTIVITY DIAGRAMS

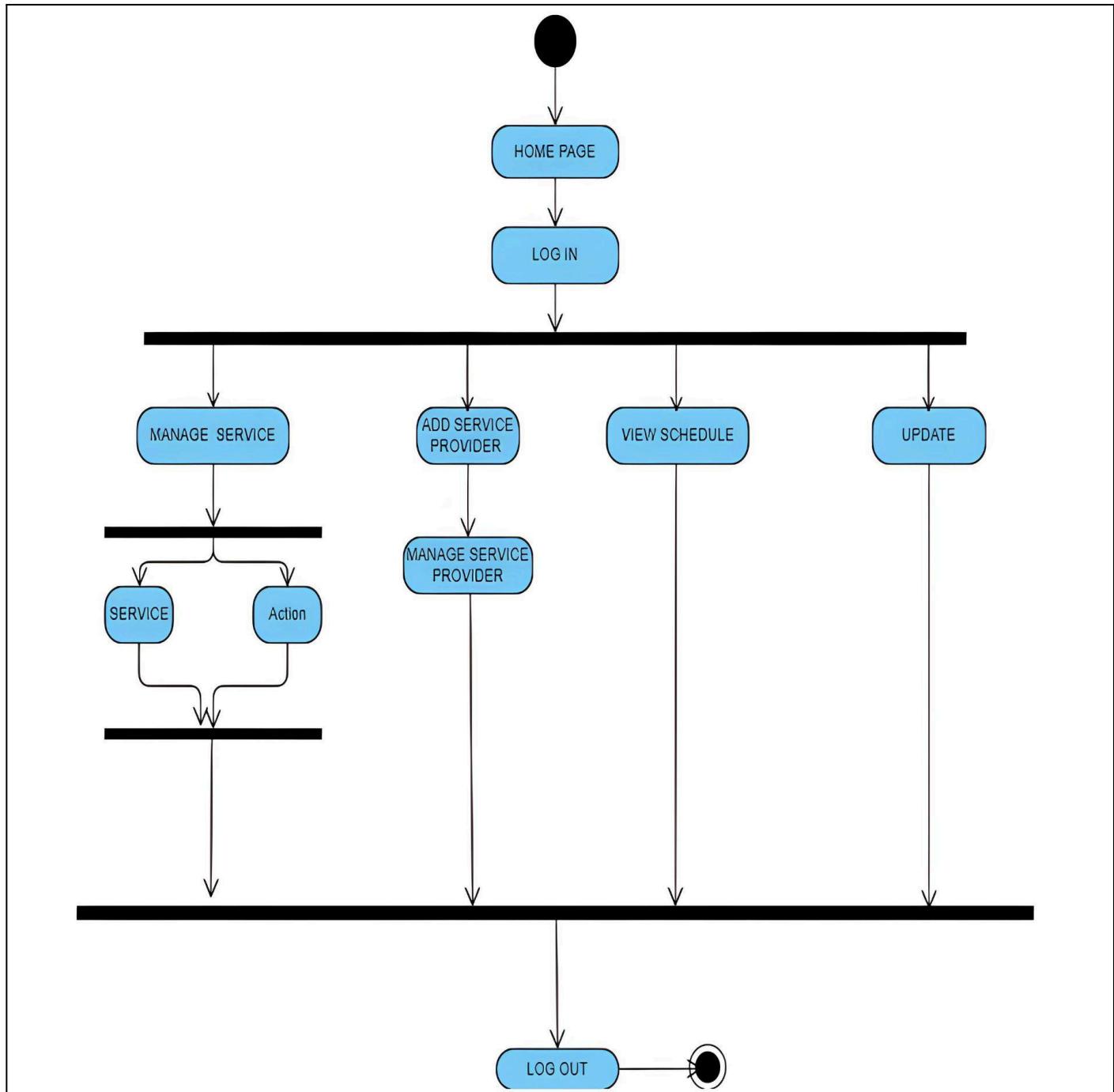


FIG 5.4.3.1: ACTIVITY DIAGRAM (ADMIN)

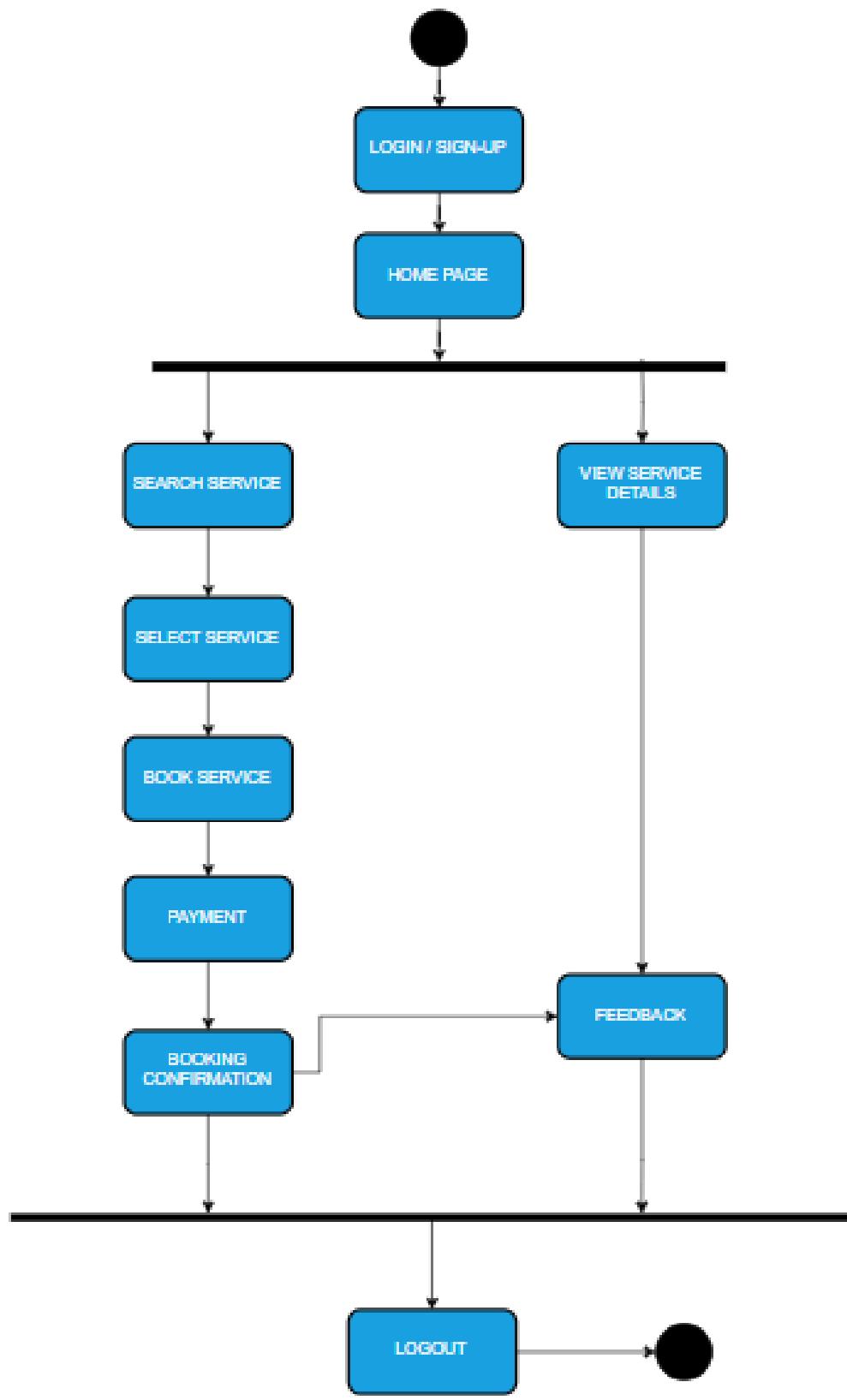


FIG 5.4.3.2: ACTIVITY DIAGRAM (USER)

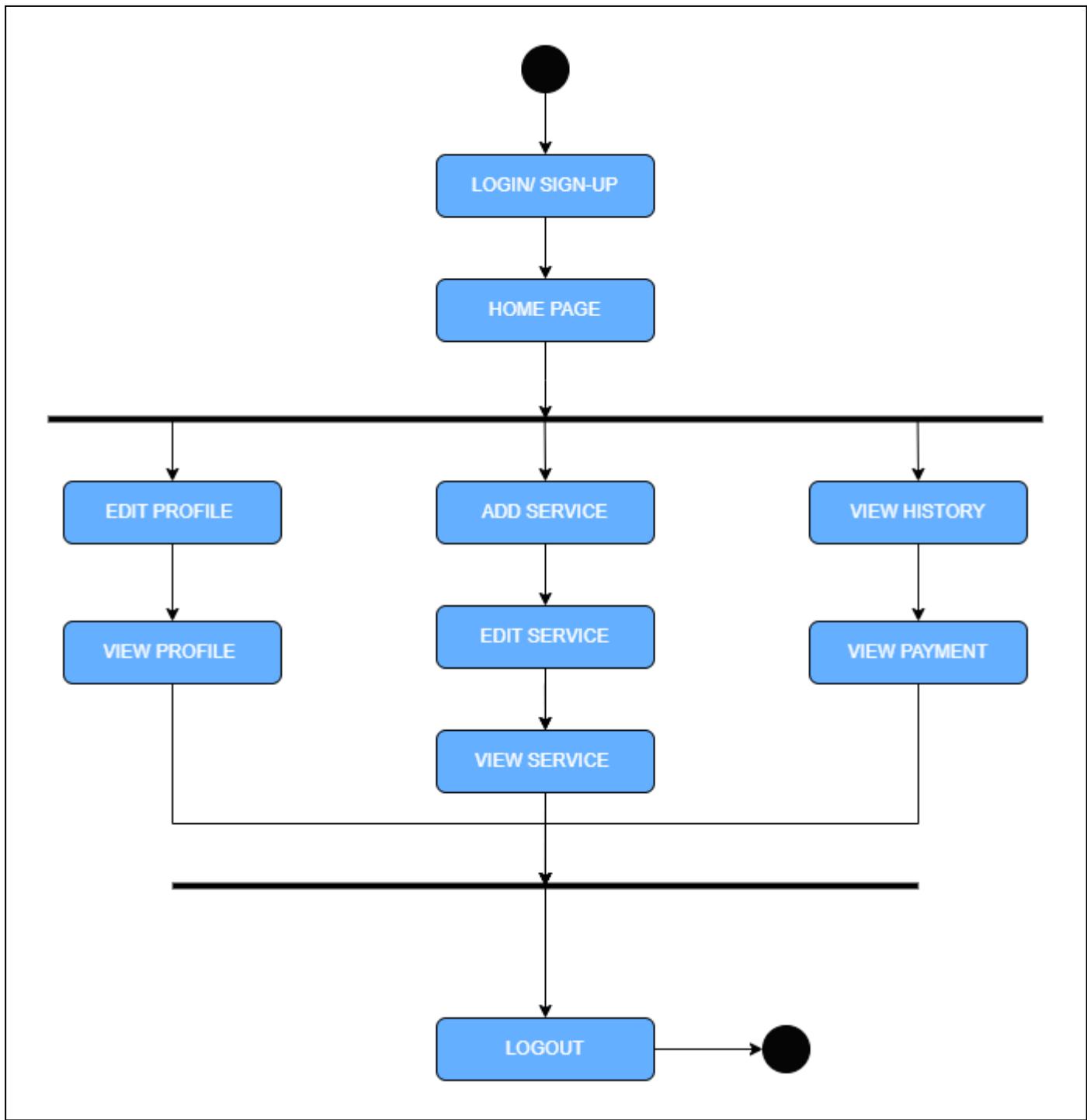


FIG 5.4.3.3: ACTIVITY DIAGRAM (SERVICE PROVIDER)

5.4.4). CLASS DIAGRAMS

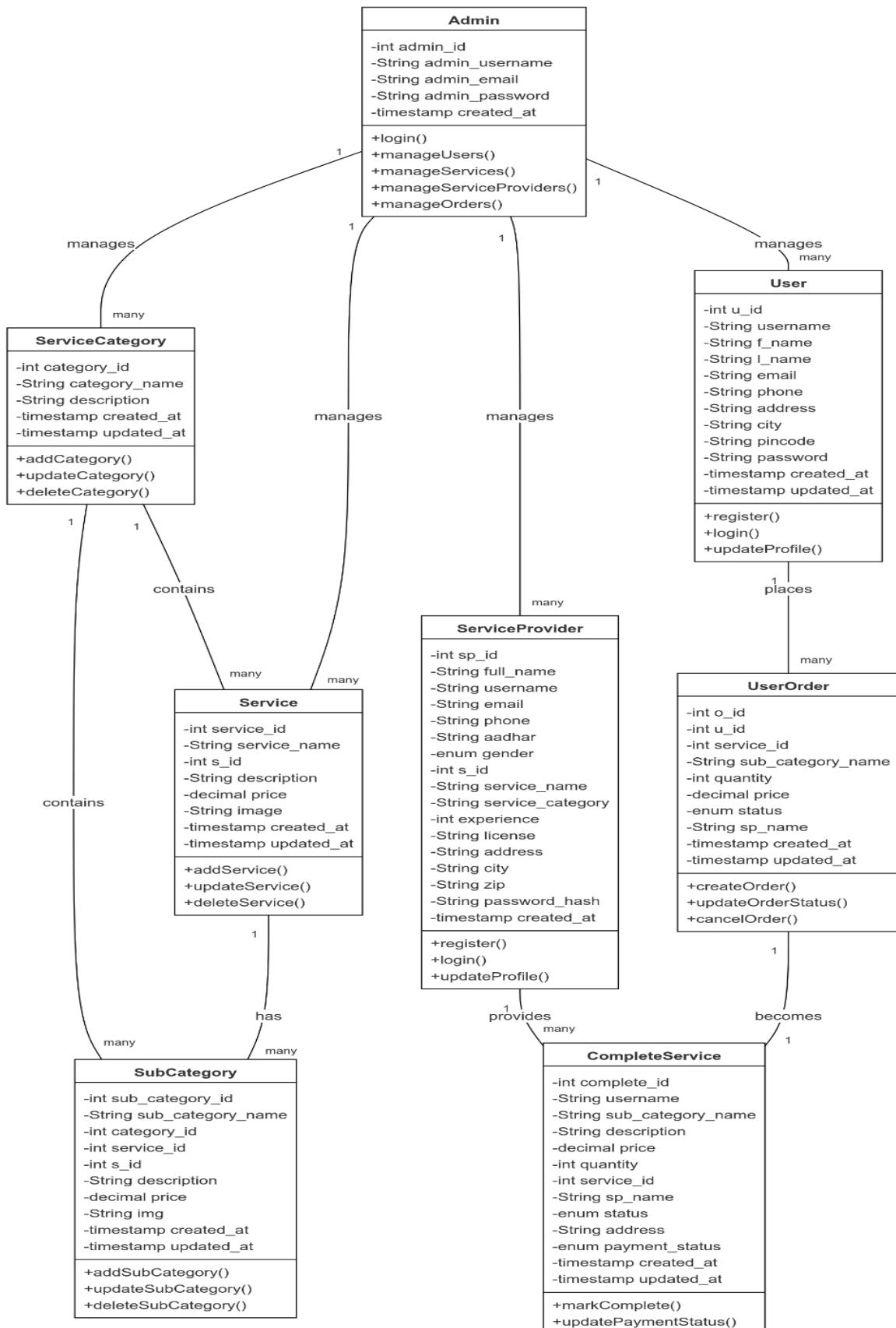


FIG 5.4.4: CLASS DIAGRAM OF ONLINE HOME SERVICE SYSTEM

6). DESIGN

6.1). Data Dictionary:

- **Table Name:** users
- **Primary Key:** u_id

Field name	Data Type/Size	Constraint	Description
u_id	INT(20)	Primary Key	Contain id of each user
username	VARCHAR(50)	Not Null	Contain the user name.
f_name	VARCHAR(25)	Not Null	Contain the user's first name.
l_name	VARCHAR (25)	Not Null	Contain the user's last name.
email	VARCHAR (100)	Not Null	E-mail Address of the User.
phone	BIGINT (15)	Not Null	Phone number of User
password	VARCHAR (20)	Not Null	Password of the User.(hashed)
address	VARCHAR (255)	Not Null	address of user(user,admin,sp)
Created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	current timestamp of creation

- **Table Name:** sp
- **Primary Key:** User_id

Field Name	Data Type/Size	Constraint	Description
User_id	INT (20)	Primary Key	Contains the unique identifier (ID) for the service provider.
SP_Name	VARCHAR (50)	Not null	Stores the first name of the service provider.
Email	VARCHAR (100)	Not null	Stores the email address of the service provider. Must be unique.
Password	VARCHAR (20)	Not null	Stores the hashed password of the service provider.
Service_id	INT (10)	Not null	Contains the unique identifier for the service provided.
Mobile	BIGINT(15)	Not null	Mobile No of Service Provider.
Address	VARCHAR(255)	Not null	Stores the complete address of the service provider, including the city.
Created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Automatically stores the timestamp when the service provider's record is created.

- **Table Name: admin**
- **Primary Key: adm_id**

Field Name	Data Type/Size	Constraint	Description
admin_id	INT (11)	Primary key	Contains the unique identifier (ID) for the admin.
username	VARCHAR (50)	Not null	Stores the username of the admin
Password	VARCHAR(20)	Not null	Stores the hashed password of the admin.
Email	VARCHAR(100)	Not null	Stores the email address of the admin
Code	VARCHAR(20)	Not null	Contains a unique code or identifier related to the admin.
Created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Automatically stores the timestamp when the service provider's record is created.

- **Table Name: services_category**
- **Primary Key: c_id**

Field Name	Data Type/Size	Constraint	Description
c_id	INT(20)	Primary Key	Contains the unique identifier (ID) for the service.
c_name	VARCHAR (50)	Not null	Stores the name of the service category.
Created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	Automatically stores the date and time when the service is added.

- **Table Name: sub_category**

- **Primary Key: Ser_id**

Field Name	Data Type/Size	Constraint	Description
d_id	INT(20)	Primary Key	Contains the unique identifier (ID) for the record.
rs_id	INT(20)	Not null	Contains the related service identifier.
title	VARCHAR(255)	Not null	Stores the title associated with the record.
slogan	VARCHAR(255)	Not null	Contains a slogan or brief description.
price	DECIMAL(10,2)	Not null	Represents the price value with two decimal places.
img	VARCHAR(255)	Not null	Stores the URL or file path of the image.
Service_id	INT(20)	Not null	Contains the unique identifier (ID) of the service associated with the record.

- **Table Name: Order master**

- **Primary Key: Ord_id**

Field Name	Data Type/Size	Constraint	Description
o_id	INT(20)	Primary Key	Contains the unique identifier (ID) for the order.
u_id	INT(20)	Not null	Refers to the unique identifier (ID) of the user placing the order.
title	VARCHAR(100)	Foreign Key	Provides information related to the service title.
quantity	INT(255)	Composite Key	Indicates the quantity of services ordered.
price	DECIMAL(10,2)	Not null	Represents the total price for the ordered services.
status	ENUM('ACTIVE','INACTIVE')	Foreign Key	Indicates the status of the order, such as 'active' or 'inactive'.
Created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Records the date and time when the order was created.
Service_id	INT(20)	Not null	Refers to the unique identifier (ID) of the service associated with the order.
SP_Name	VARCHAR(50)	Not null	Stores the name of the service provider.

- **Table Name: Payment**
- **Primary Key: Pay_id**

Field Name	Data Type/Size	Constraint	Description
Sr_no	INT(11)	Primary Key	A unique serial number for each record.
Payment_id	INT(11)	Not null	The unique identifier for the payment transaction
Cust_name	VARCHAR(50)	Not null	The name of the customer making the payment
SP_name	VARCHAR(50)	Not null	The name of the service provider associated with the transaction.
Order_id	INT(20)	Not null	The unique identifier for the order.
Price	Decimal(10,2)	Not null	The total price of the order.
Created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP	The date and time when the transaction was created or updated.
Service_ID	INT(20)	Not null	The unique identifier of the service provided.
Title	VARCHAR(100)	Not null	A brief title or description of the service.
Status	ENUM('ACTIVE','INACTIVE')	Not null	The status of the payment transaction, such as 'pending' or 'completed'.

6.2) SCREEN LAYOUT: -

1) REGISTRATION PAGE: -

- Action Page is a web page designed to collect and record user information for creating an account on a website or application. It typically includes fields where users provide essential details that are necessary for authentication, communication, and profile creation. Like username, first and last name, email, phone number, password, confirm password, address etc....

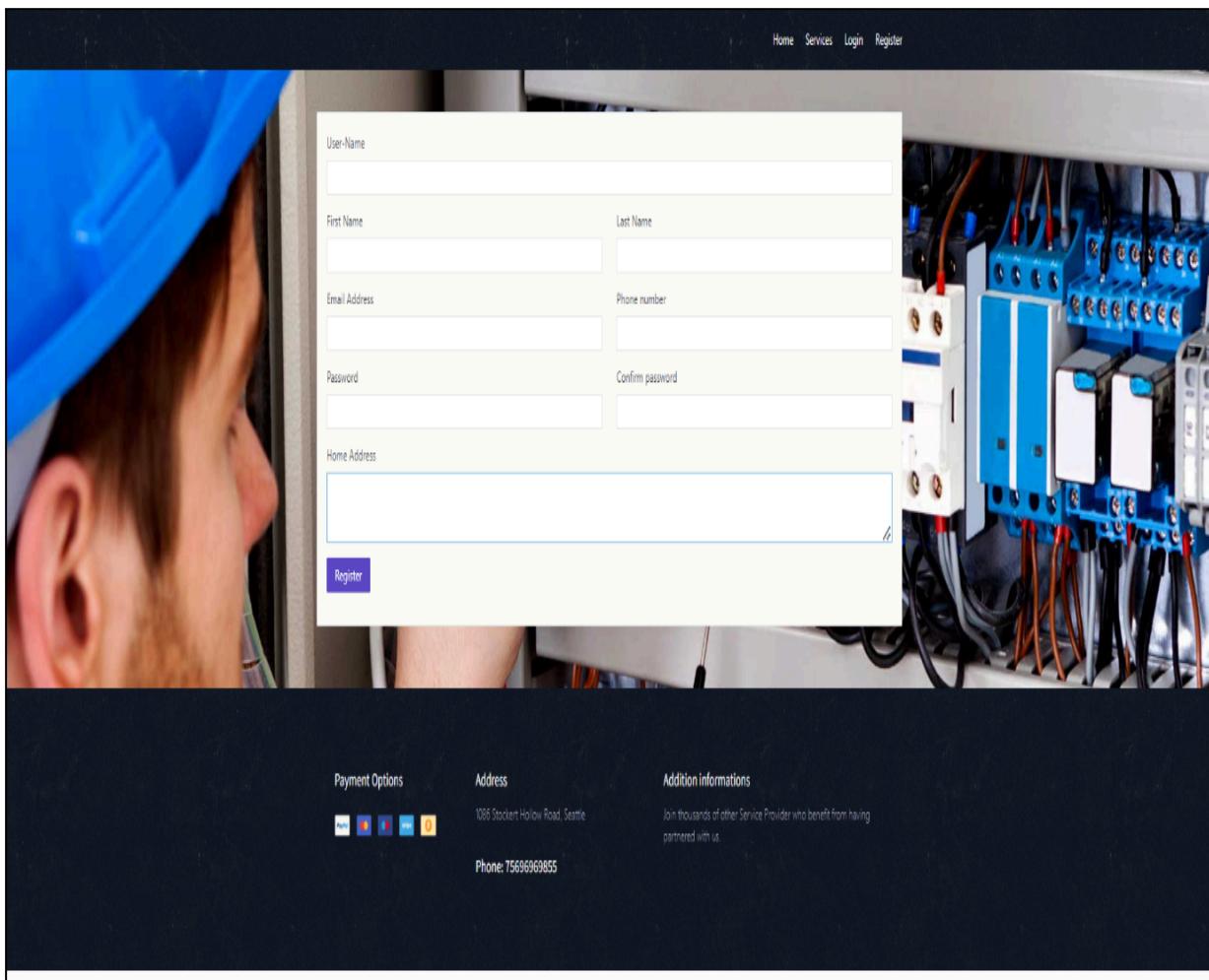


FIG 1: SCREEN LAYOUT (REGISTRATION PAGE)

2) LOGIN PAGE:-

- The **Login Page** is a web interface that allows users to access their accounts by verifying their credentials. It is a critical component of any website or application that requires authentication to protect user data and restrict access to authorized users only. User can login with the username or password

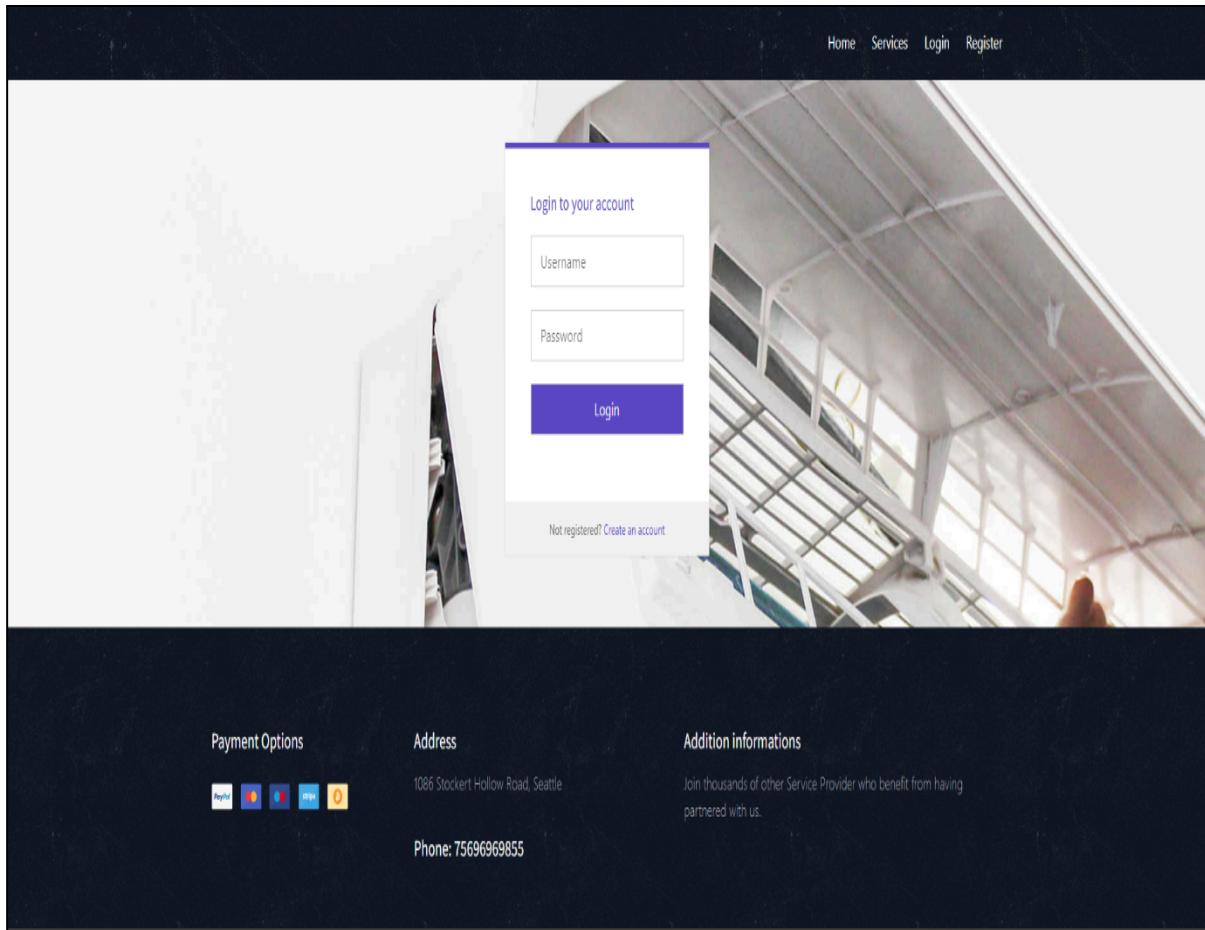


FIG 2: SCREEN LAYOUT (LOGIN PAGE)

3) HOME PAGE:-

- The Home Page is the main entry point and central hub of a website or application. It serves as the starting point for users to explore content, navigate through different sections, and access key features. The Home Page is designed to provide a comprehensive overview of what the website or application offers and to guide users effectively to their desired content or actions.

The screenshot displays the homepage of a home services website. At the top, there is a banner with the text "Book Home Services" and a three-step process: "1. Choose Services", "2. Book Services", and "3. Get Your Services". Below the banner, there is a "Featured Service" section with six categories: Air Conditioner (Air Conditioner), Electrician (Electrician at Home), TV Repair (TV Repair at Home), Carpenter (Carpenter at Home), Plumber (Plumber at Home), and Home Cleaning (Home Cleaning at Home). The "Popular Services of the Month" section is titled "Popular Services of the Month" and describes it as the "Easiest way to order home Services among these top 6 Services". It features six services with images, names, descriptions, prices, and "Order Now" buttons:

- AC WEST SERVICE**
Recommended for ac services 6 Month ago
₹250.00 [Order Now](#)
- Dry Serviceing**
Recommended for ac services 6 Month ago
₹250.00 [Order Now](#)
- AC Installation**
Provide Good AC Installation fitting is very good and garmdetd work
₹300.00 [Order Now](#)
- AC UnInstallation**
Provide Good AC UnInstallation and garmdetd work
₹300.00 [Order Now](#)
- AC Repire**
Provide good Services.componet charge is not included
₹300.00 [Order Now](#)
- T.V.Repire**
Providing Best TV repire At Home By Just On Click
₹400.00 [Order Now](#)

FIG 3: SCREEN LAYOUT (HOME PAGE)

4) SELECT A SERVICE AND BOOK: -

- The "Select a Service and Book" page is a key feature of a website or application that allows users to browse, select, and book services. This page is designed to provide a seamless and user-friendly experience for customers looking to engage with specific services offered by the platform. It typically includes a list of available services, detailed information about each service, and an easy booking process.

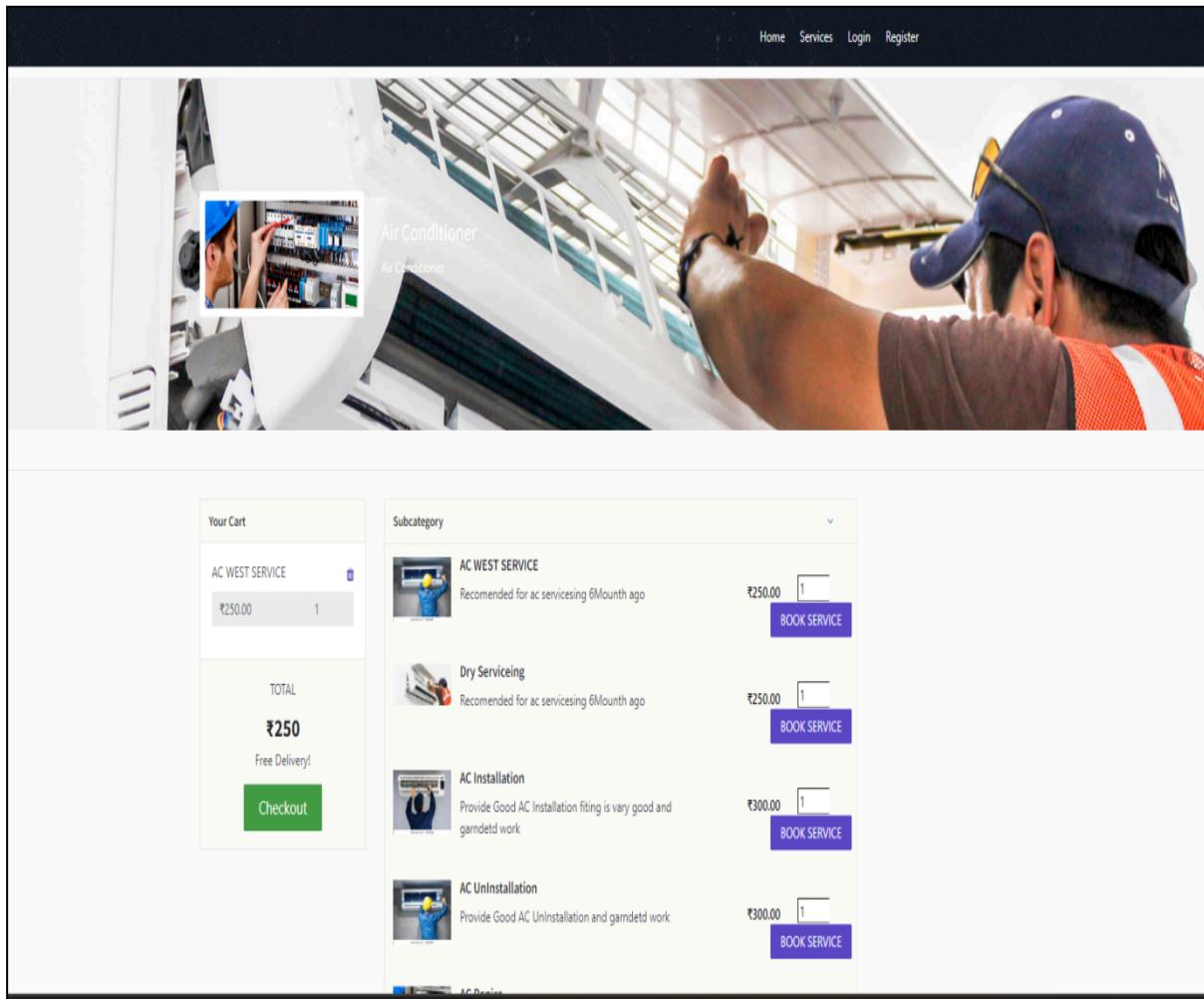


FIG 4: SCREEN LAYOUT (SELECT A SERVICE AND BOOK PAGE)

5) CHECK OUT SERVICE: -

- The "Checkout Service" page is the final step in the booking or purchasing process on a website or application. It allows users to review their selected services, provide necessary information, and complete the transaction. This page is designed to offer a streamlined, secure, and user-friendly experience to ensure that users can quickly and easily finalize their service bookings or purchases.

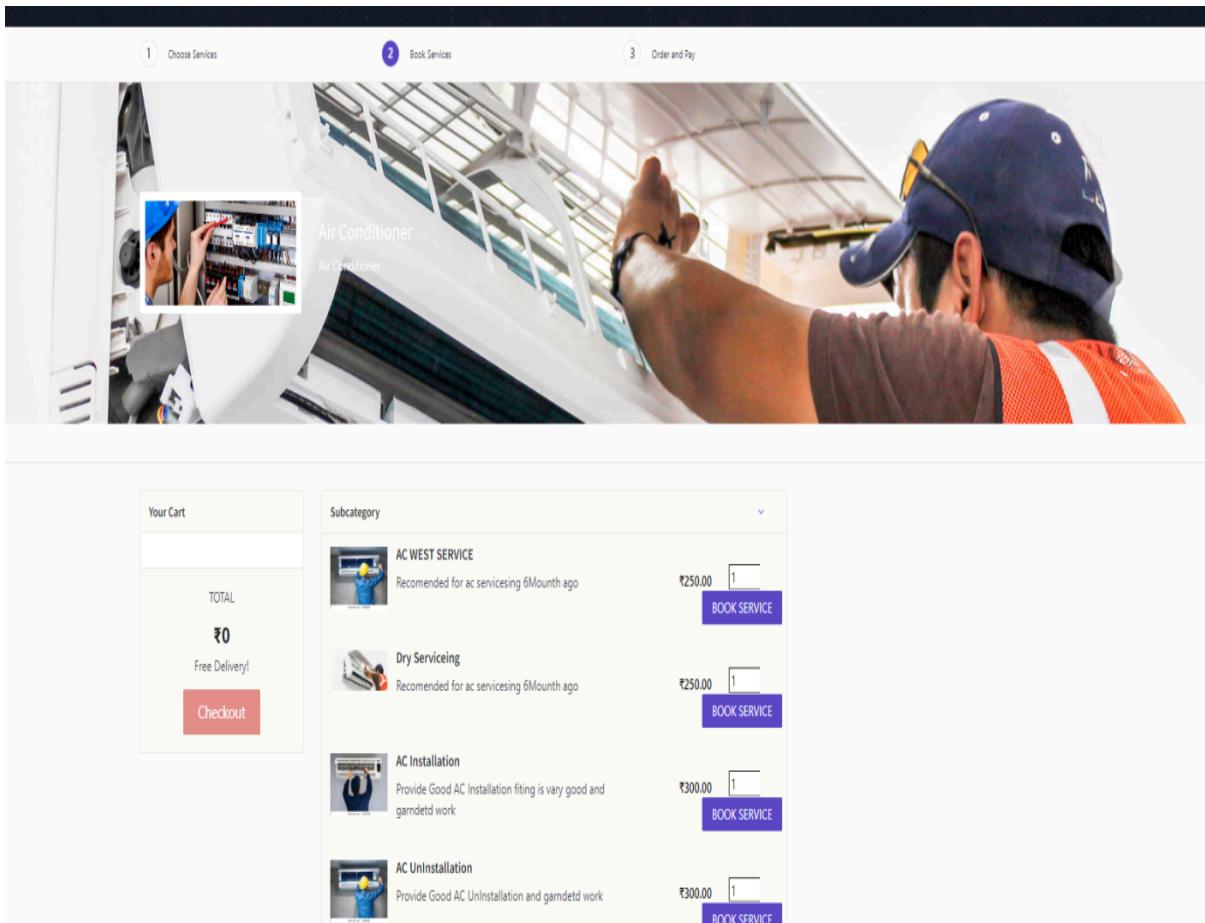


FIG 5: SCREEN LAYOUT (CHECK PUT SERVICE INTERFACE)

6) PAYMENT OF SERVICE: -

- The "payment of service" is a crucial step in completing the booking or purchasing serviced on a website or application. It allows users to securely provide their payment information, choose their preferred payment method, and finalize their transactions for selected services. The page is designed to be secure, user-friendly, and efficient to ensure a smooth payment experience and to build user trust. In that page user can be use any method to payment and that all method are supported to all device and all system.

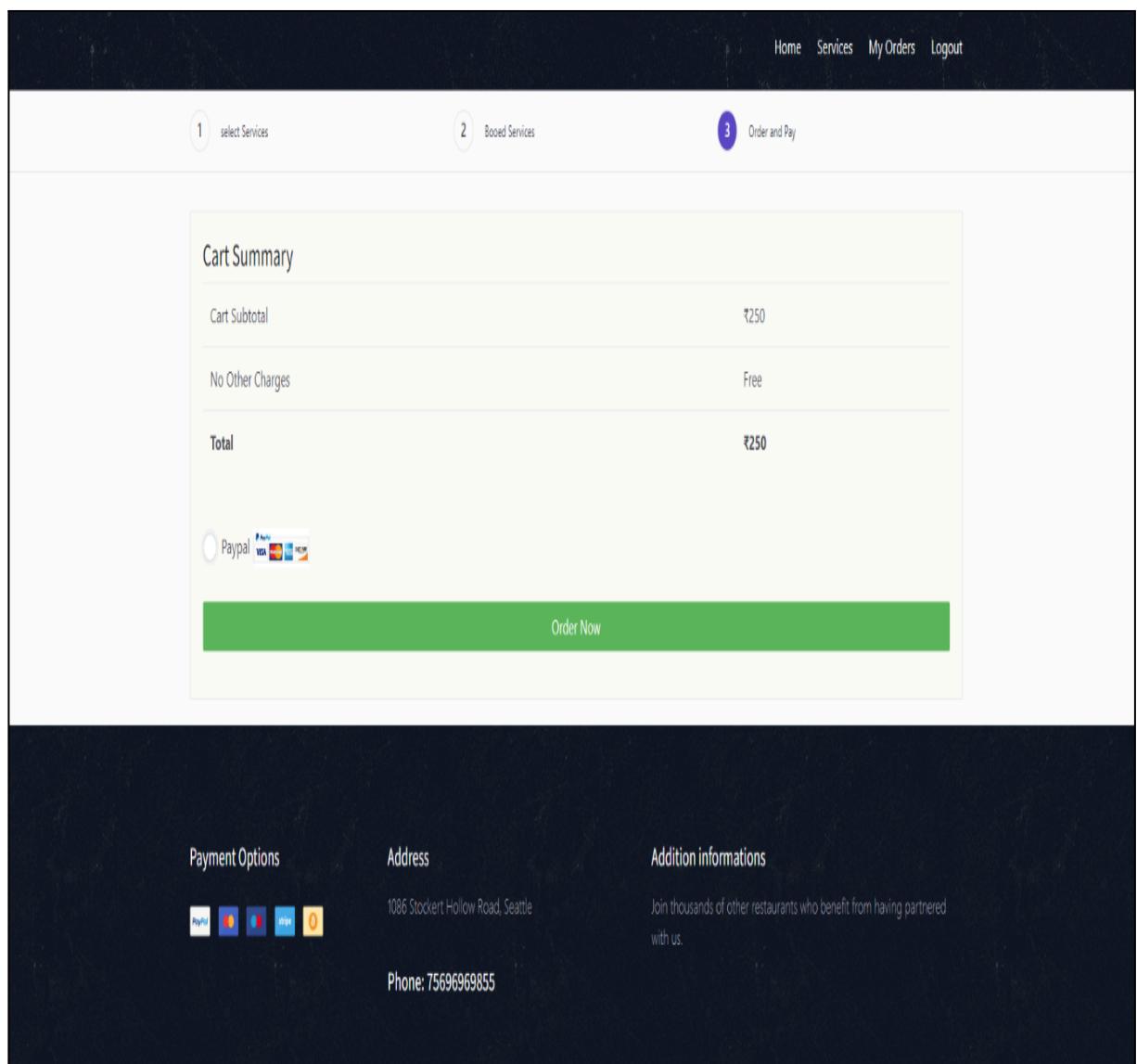


FIG 6: SCREEN LAYOUT (PAYMENT OF SERVICE)

7) PAYMENT METHOD: -

- The "Payment Method" page is a dedicated section on a website or application where users select their preferred method of payment to complete a transaction for a product or service. This page is crucial in guiding users through choosing a secure and convenient payment option that aligns with their preferences and ensures a smooth transaction experience.

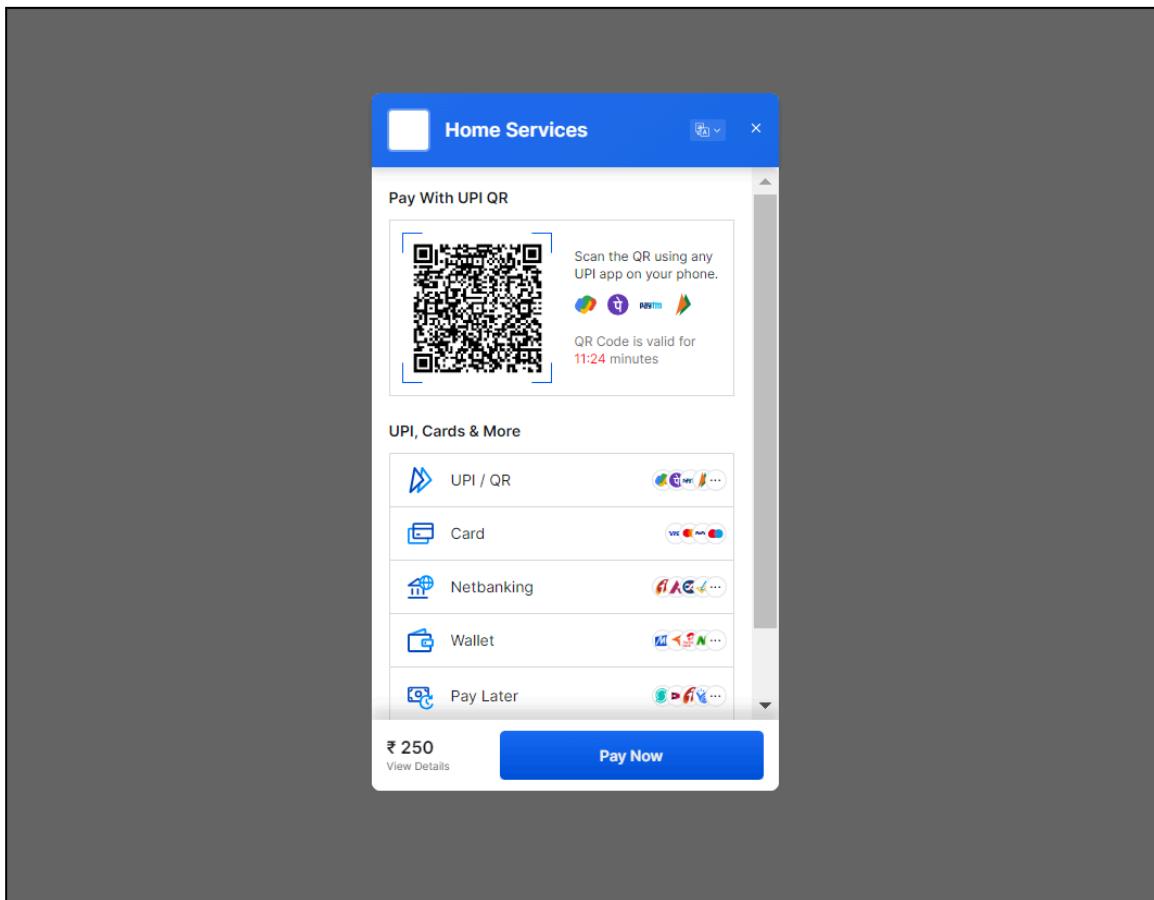


FIG 7: SCREEN LAYOUT (PAYMENT METHOD)

8) CONFIRM BOOKED SERVICE: -

- The "Confirm Booked Service" page is the final step in the booking process where users review all the details of their selected service before finalizing their booking. This page ensures that users have a chance to verify all the information, including service details, personal information, and payment options, before committing to the booking. It is designed to be clear, and user-friendly, offering users a last opportunity to make any necessary changes.

FIG 8: SCREEN LAYOUT (CONFIRM BOOKED SERVICE)

