

SYSTEM DEVELOPMENT PROJECT
ON
(ONLINE HOME SERVICES)

IN PARTIAL FULFILMENT OF
BACHELOR'S DEGREE IN COMPUTER APPLICATIONS (B.C.A.)
GUJARAT UNIVERSITY (2022-2023)

SUBMITTED BY

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S L I C A

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CERTIFICATE

This is to certify that SOFTWARE DEVELOPMENT PROJECT
“**ONLINE HOME SERVICES**” developed and submitted to Gujarat
University by

Mr. Gabani Jay Balvantbhai,
Mr. Korat Deep Hasmukhbhai,
Mr. Patoliya Sahil Prafulbhai

In partial fulfilment of the requirement for the award of the

“Bachelor’s Degree in Computer Applications (B.C.A.)”
in the year 2022-2023.

This is the original work and carried out under guidance and supervision.
We further certify that to the best of our knowledge and belief the matter
presented in this project report is bonafied.

Name of guide
Dr. Kamesh Raval

I/c Director
Mr. K.J. Patel



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Surat - 394101

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CERTIFICATE

This is to certify that

Mr. Gabani Jay Balvantbhai,

Mr. Korat Deep Hasmukhbhai,

Mr. Patoliya Sahil Prafulbhai

students of Som-Lalit Institute of Computer Applications (SLICA), Ahmedabad,
has done and successfully completed their Software Development Project part-1.

“ONLINE HOME SERVICES”

in our organization during 1st July 2022 to December 2022.

Their work and conduct during the project was found very good.

We wish them all the best in their future endeavours.

Date:

Organization Seal

Authorised Signatory

ACKNOWLEDGEMENT

We extend sincere to our college Som-Lalit Institute of computer Application (SLICA), our respected principal K. J. PATEL, our respected faculties for giving us the golden opportunity to work on the project of **ONLINE HOME SERVICES** by providing us their precious time, deep and valuable knowledge to make a project-a success.

We extend our warm thanks to our project guide Dr. Kamesh Raval for his guidance and constant encouragement throughout the semester by providing their valuable time, advices for various problems whenever we needed for deciding the objectives of our reports.

We extend our grateful thanks to Mr. Milan Patel, Owner of DCODE Soft, for providing us the opportunity to develop website based on **ONLINE HOME SERVICES**.

We express our thanks to our college library for providing us the required books necessary for our reference and computer laboratory staff for providing us the necessary resources, permission to work on project by staying late in labs and for providing help.

Finally, we express our thanks to our Parents, God, and all the staff members who helped directly or indirectly in our project.

Mr. Jay B. Gabani

Mr. Deep H. Korat

Mr. Sahil P. Patoliya

INDEX

SR. NO.	CONTENTS	PAGE NO.
01.	Project Definition	01
02.	Company Profile	01
03.	Existing System	02
04.	Process Description	02
05.	Limitation Of Existing System	03
06.	Proposed System	04
07.	Objective of Proposed System	06
08.	Development Environment	07
09.	Input	08
10.	Output	08
11.	Entity Relationship Diagram	09
12.	UML Diagram	
	1. Class Diagram	11
	2. Object Diagram	13
	3. Use-Case Diagram	14
	4. Sequence Diagram	15
	5. Activity Diagram	26
	6. Statechart Diagram	28
13.	Data Dictionary	29
14.	Conclusion	41

PROJECT DEFINITION

We are making a web-based application of online home services which provides services by providing professional service specialists at your doorstep in one click.

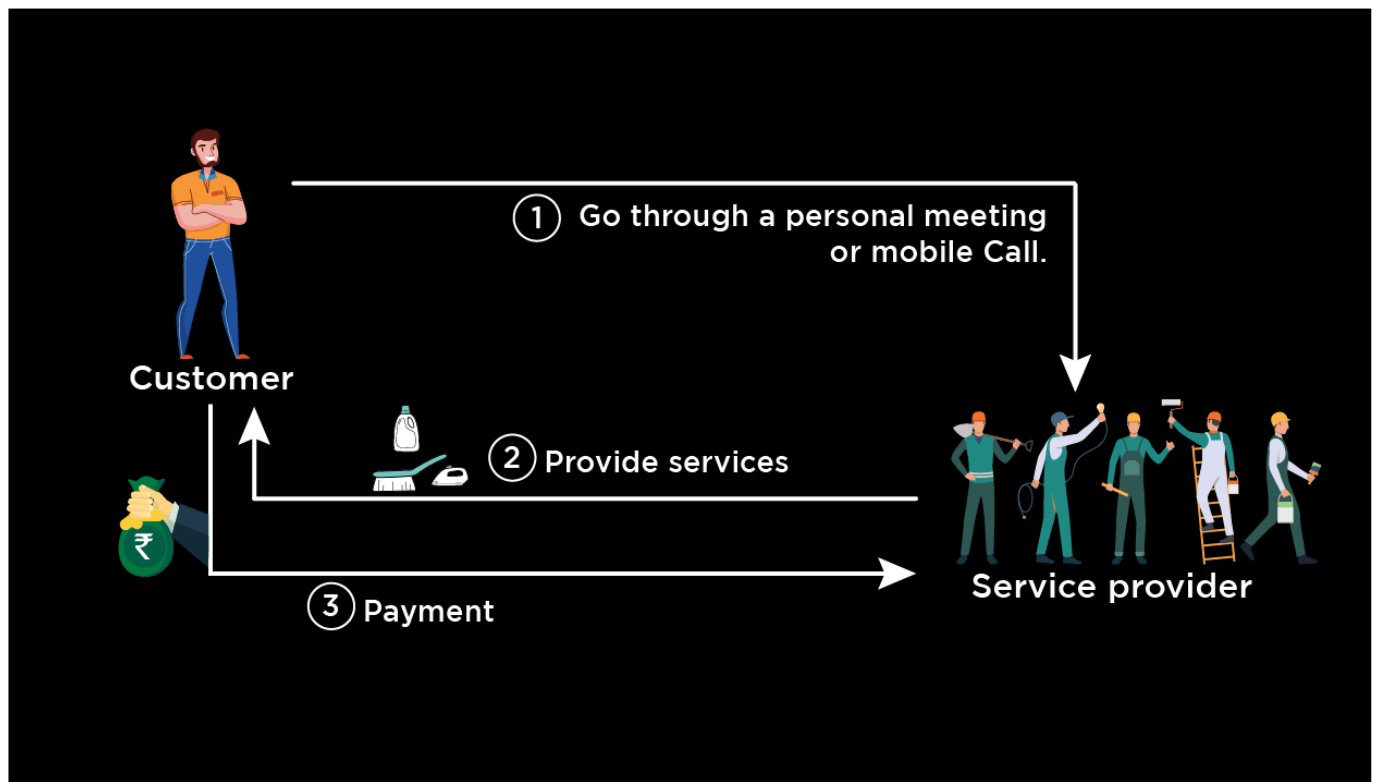
COMPANY PROFILE

Company Name	DCODE Soft
Owner Name	Mr. Milan Patel
Address	Mota Varachha, Surat
Contact Number	+91 99046 66885
Website	www.dcodesoft.com

EXISTING SYSTEM

- Existing system is manual.
- Service record stored in registered.
- After meeting with customer, service provider
- provides service & customer make payment.

PROCESS DISCRIPTION



LIMITATION OF EXISTING SYSTEM

- Difficult for customer to find any service in emergency at any time & place.
- No guaranteed service.
- 24 hours services are not available.

PROPOSED SYSTEM

- Admin
- Service Provider
- Customer
- Visitor

1. ADMIN

- Login
- Manage Profile
- Manage service category
- Manage service provider
- Manage charges
- Manage area
- Manage customer
- Manage customer review & rating
- Manage service provider review & rating
- Payment from customer
- Payment to Service provider
- Generate various report

2. SERVICE PROVIDER

- Login
- Manage profile
- Manage service details
- Manage service order
- Manage order cancellation
- Manage customer services
- Receive payment from admin
- View customer review
- View customer rating
- Give review of customer
- Give rating of customer
- View booking history

3. CUSTOMER

- Login
- Manage profile
- View service category
- View service details
- View service provider details
- View review & rating
- Give review & rating -Manage cart
- Order service
- Edit service order
- Order Cancellation
- Payment
- View order history

4. VISITOR

- Login
- View service provider information
- View service category
- View service details
- View ratings
- Registration
- Manage cart

OBJECTIVES

- Customer can book service online instead of finding manually.
- Customer can view review of service provider & vice versa.
- Customer have freedom to choose service provider.
- Admin manage customer & service provider

DEVELOPMENT ENVIRONMENT

HARDWARE	
Processor	Intel Core i5 10th Generation
RAM	8 GB
Hard Disk	256GB SSD, 1TB HDD
OS	Windows 10

SOFTWARE	
Designing tool	HTML5, CSS3
Client side scripting language	JavaScript
Server side scripting language	PHP 8.1.7
Webserver	Apache 2.4
Package	XAMPP 8.0.19
Database	MySQL 8.0
Presentation tool	MS Powerpoint
Diagram tool	Visual Paradigm 8.0
Reporting tool	PHP Report Maker 12.0

INPUT

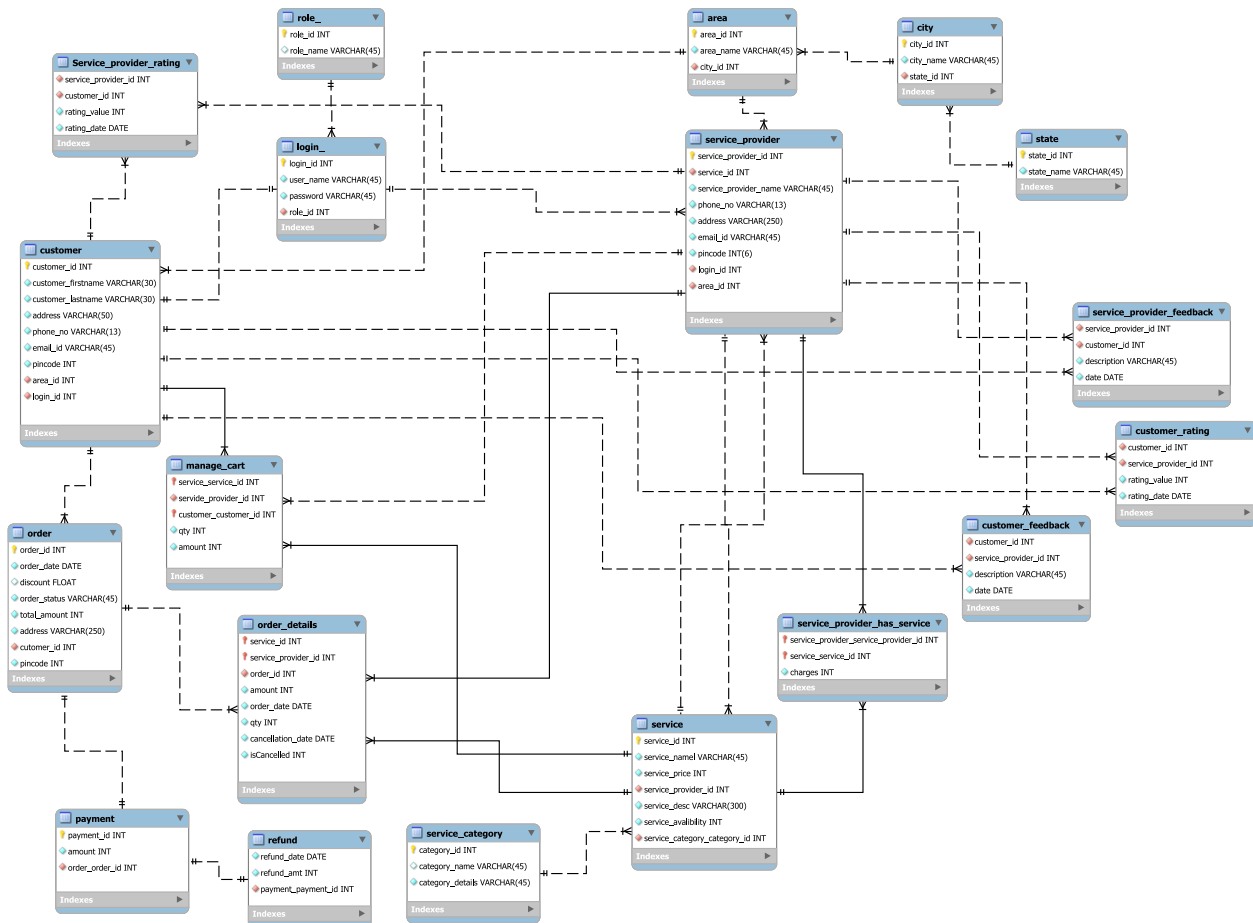
- Customer details
- Service provider details
- Service category details
- Service details
- Service order details
- Delivery details
- Order cancellation details
- Reviews & ratings
- Payment details
- Charges details

OUTPUT

- Area-wise customer report
- Repeat customer report
- Area-wise service provider report
- Review & rating report
- Category-wise service report
- Service-wise service provider report
- Invoice

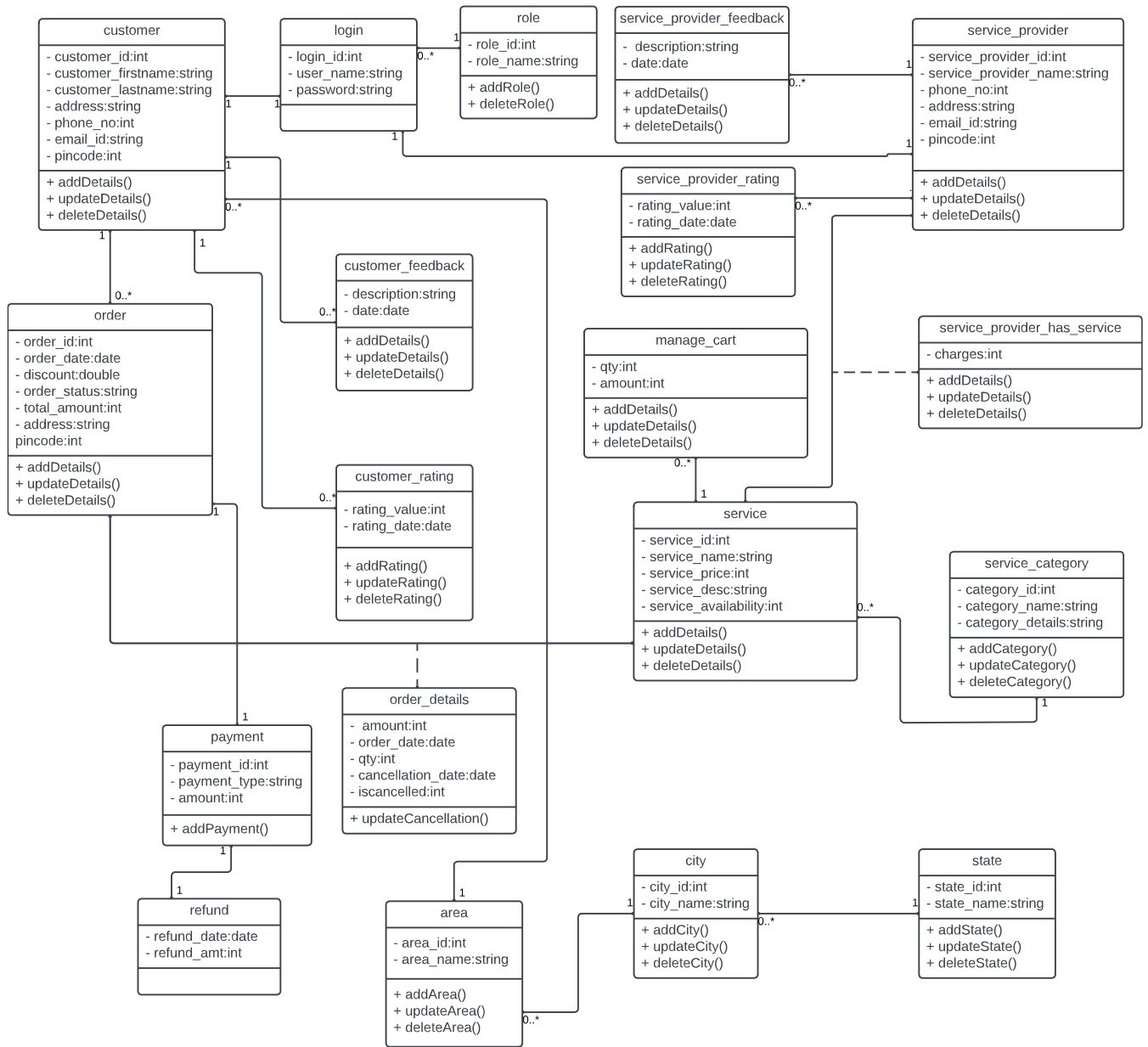
ENTITY RELATIONSHIP DIAGRAM

Online Home Services

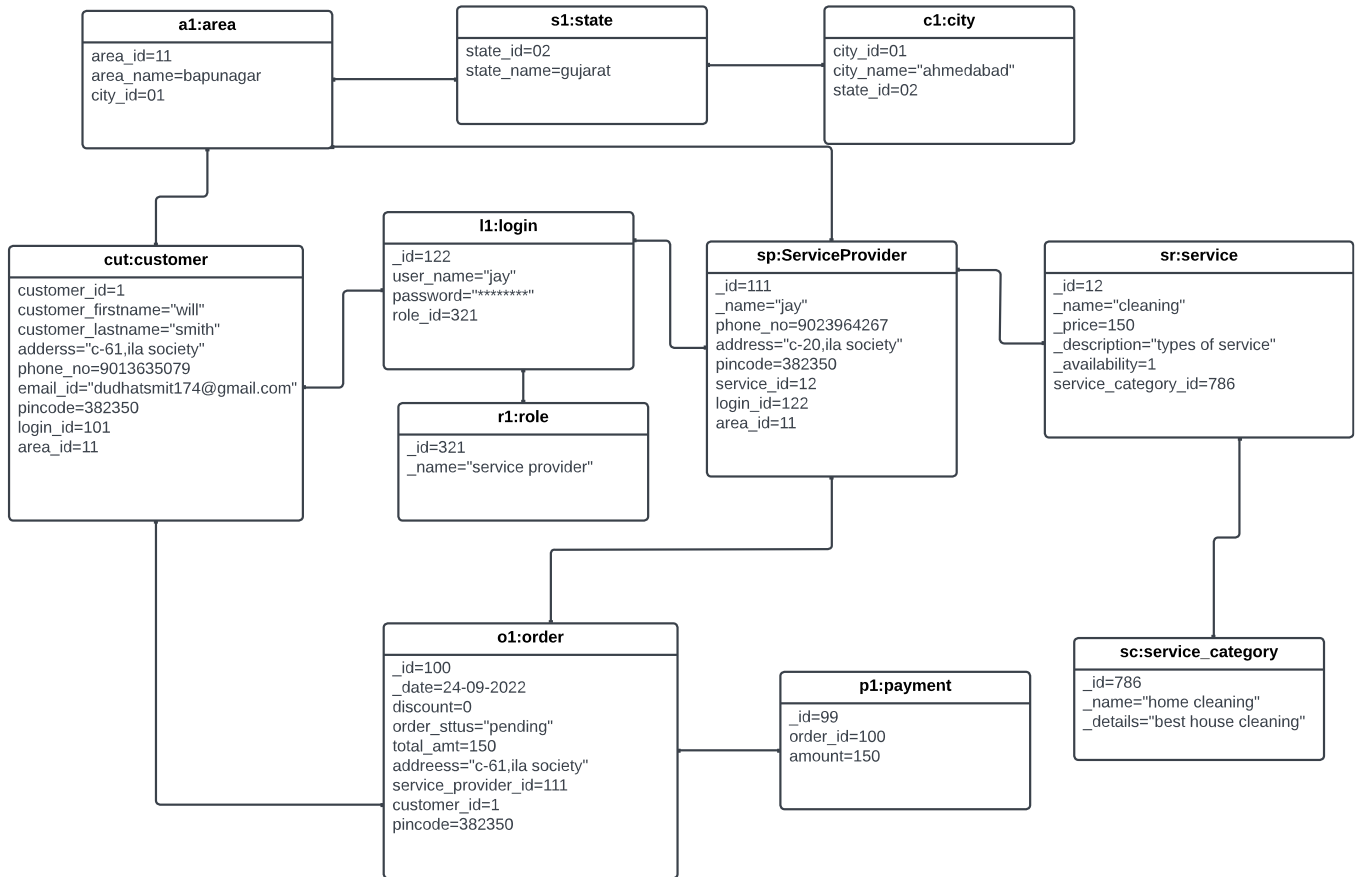


CLASS DIAGRAM

Online Home Services



OBJECT DIAGRAM

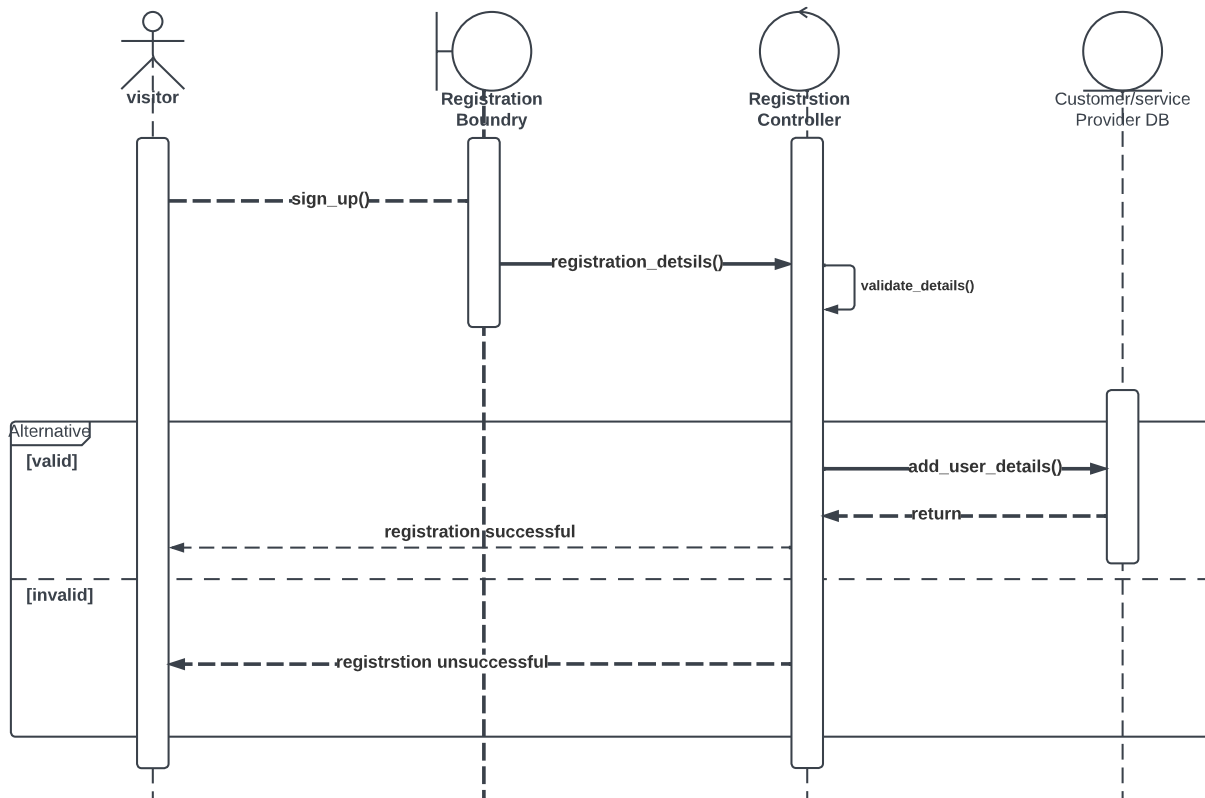


USECASE DIAGRAM

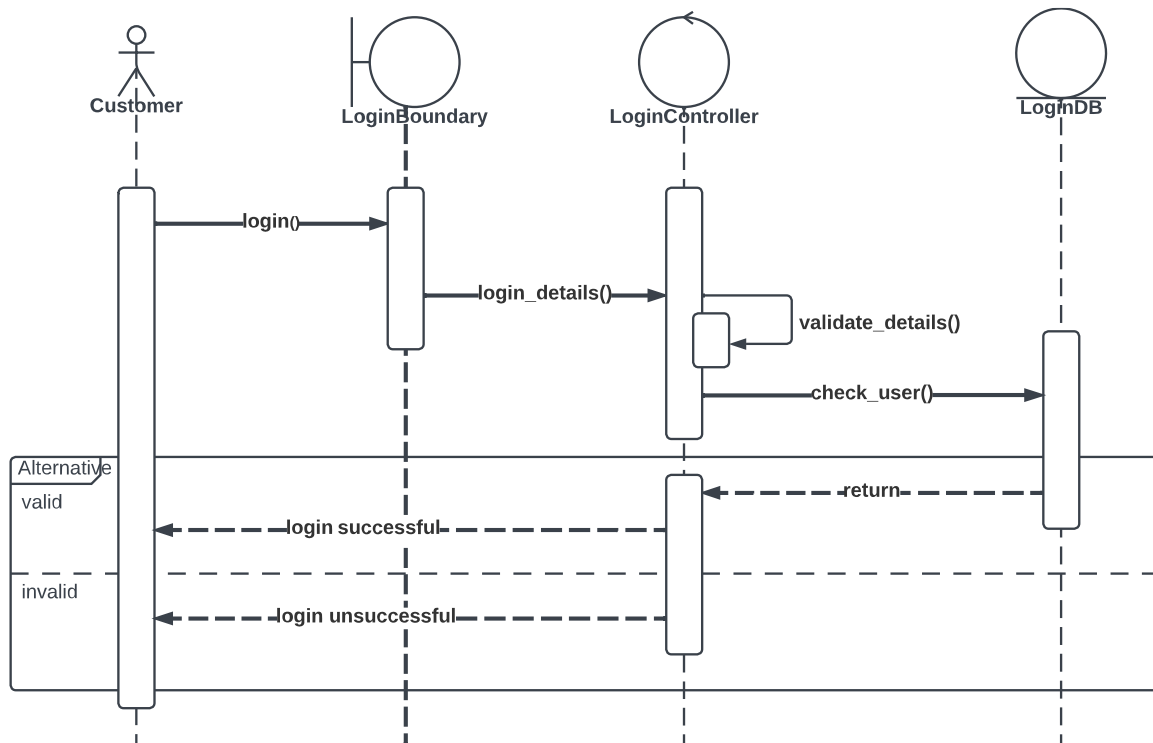


SEQUENCE DIAGRAM

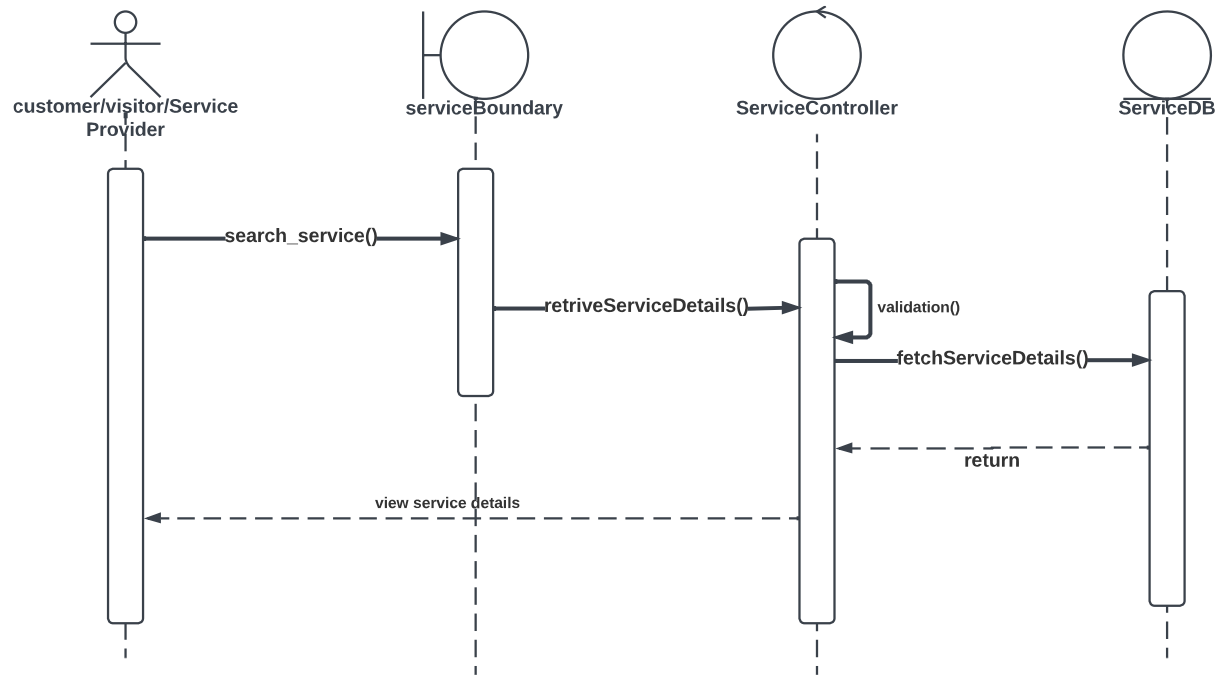
REGISTRATION



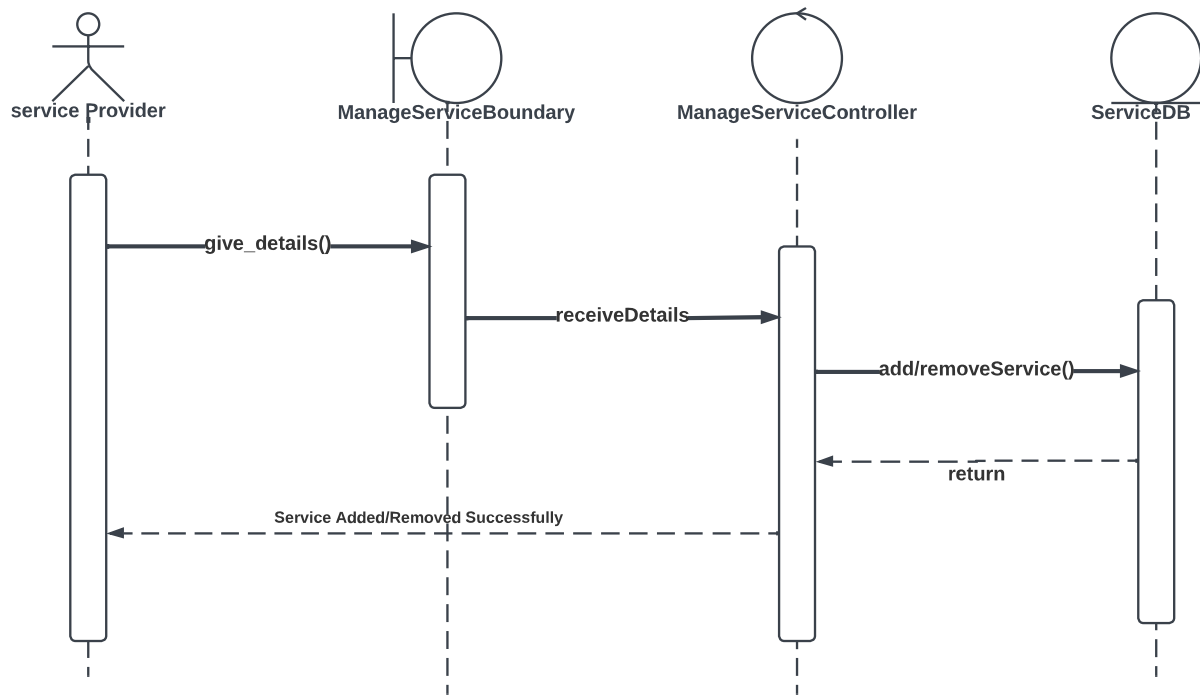
LOGIN



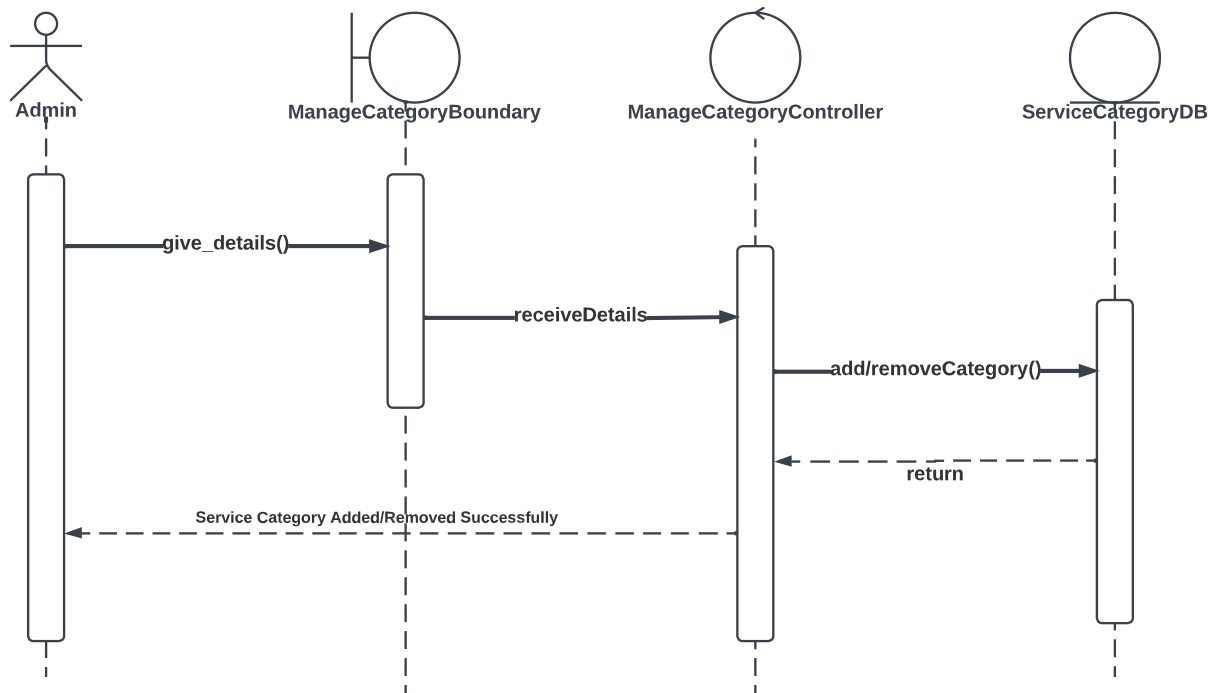
VIEW SERVICE



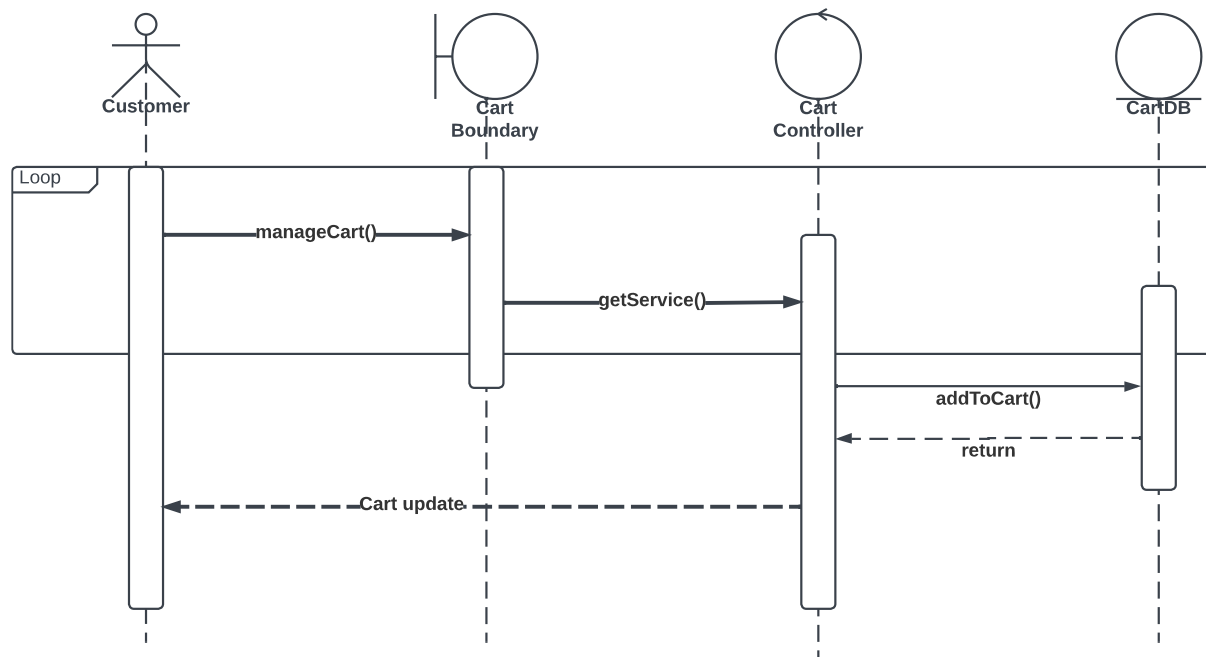
MANAGE SERVICE



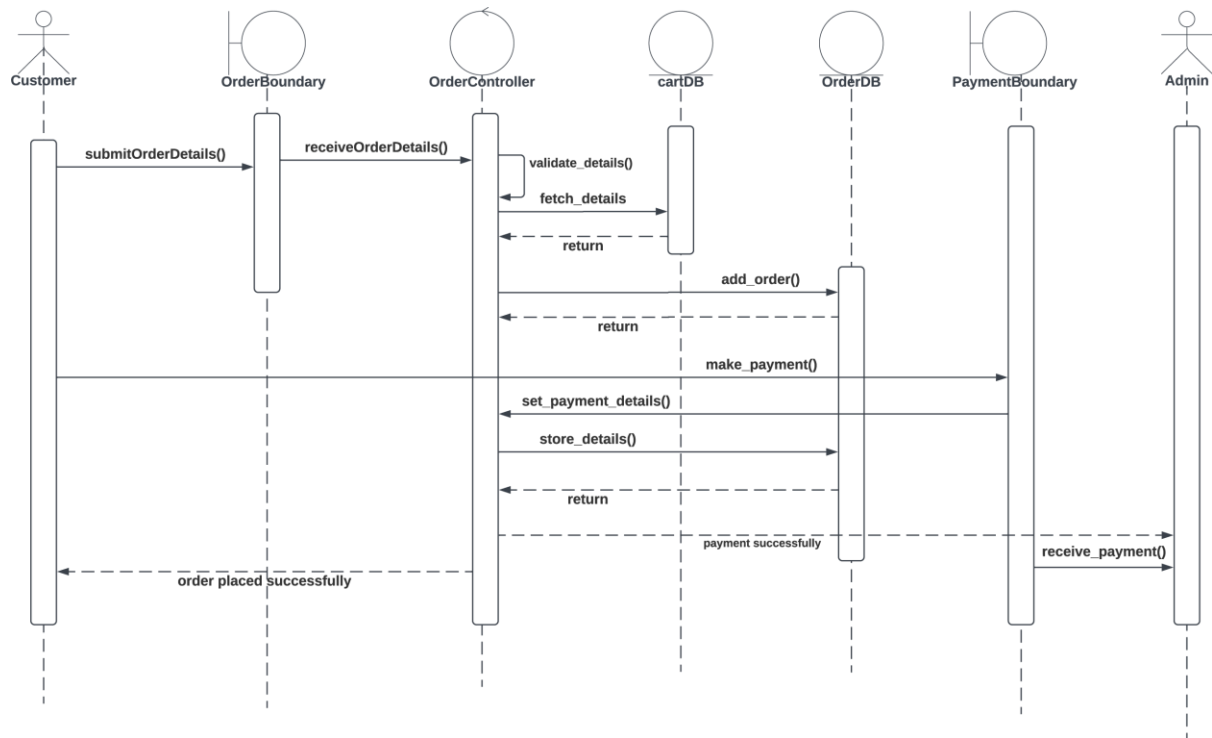
MANAGE SERVICE CATEGORY



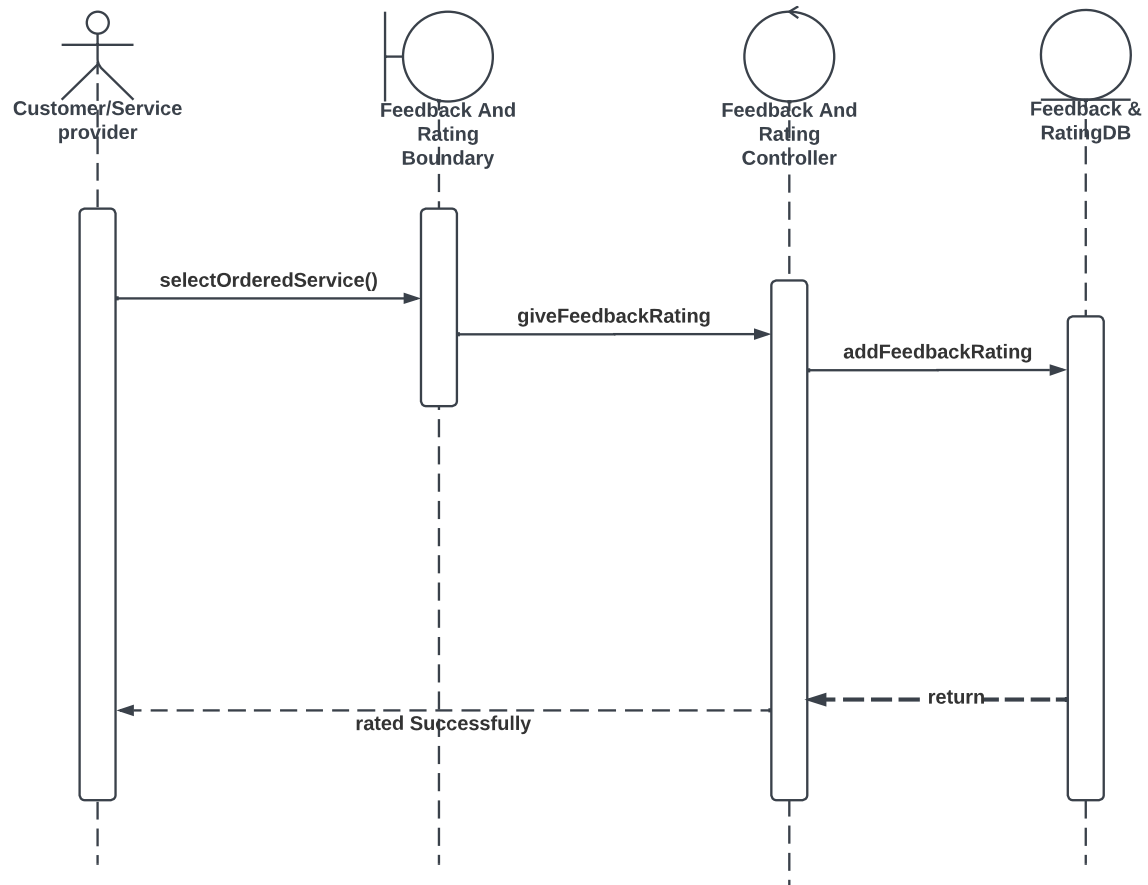
CART



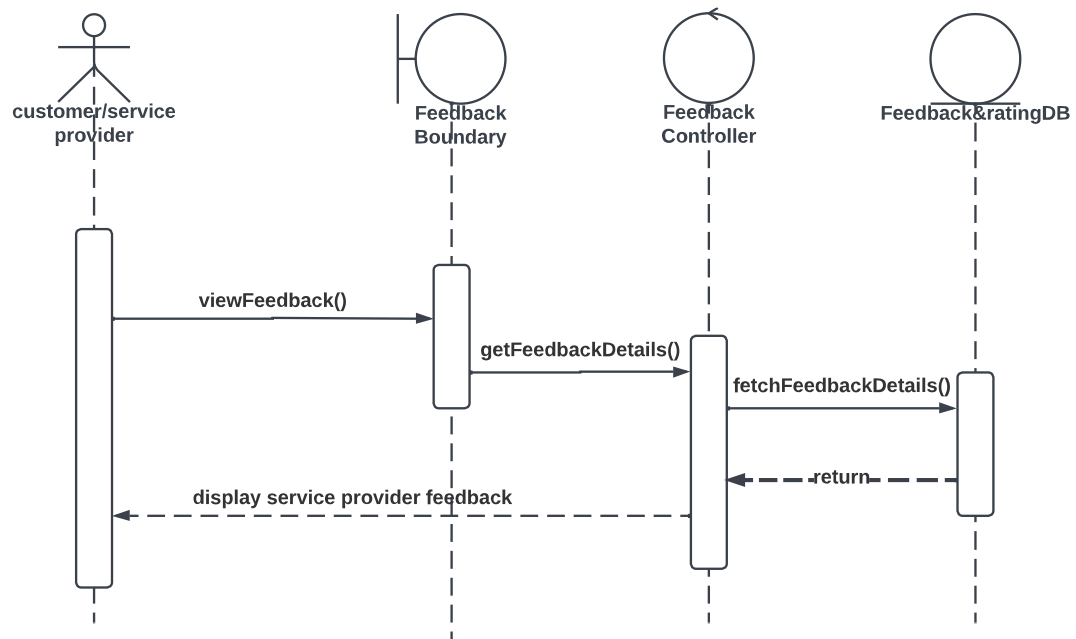
PLACE ORDER



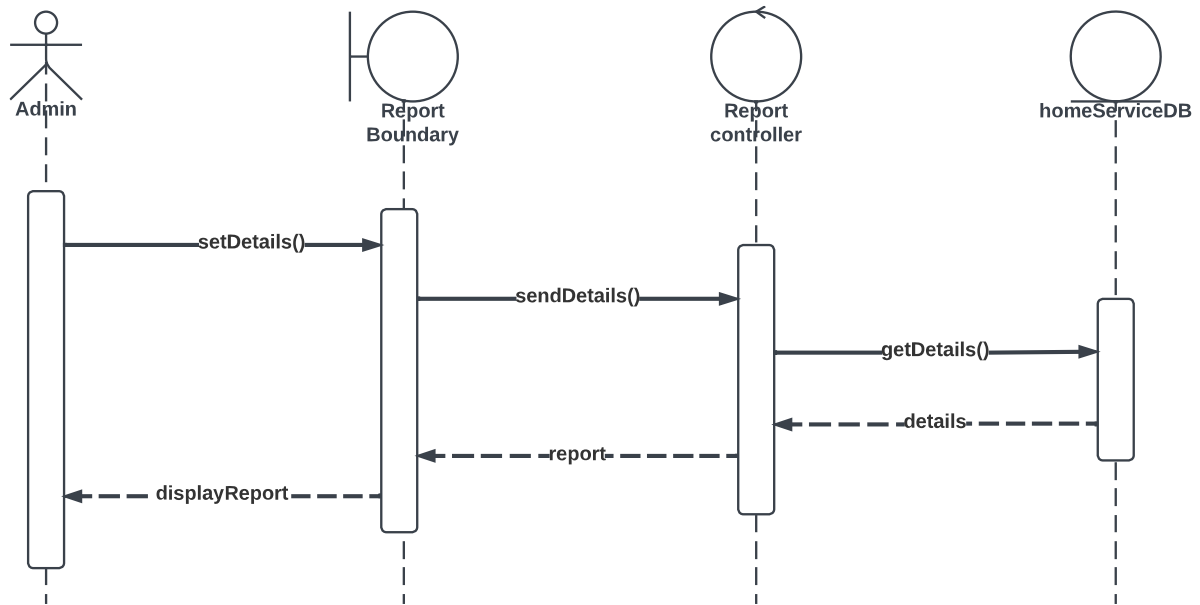
GIVE FEEDBACK & RATING



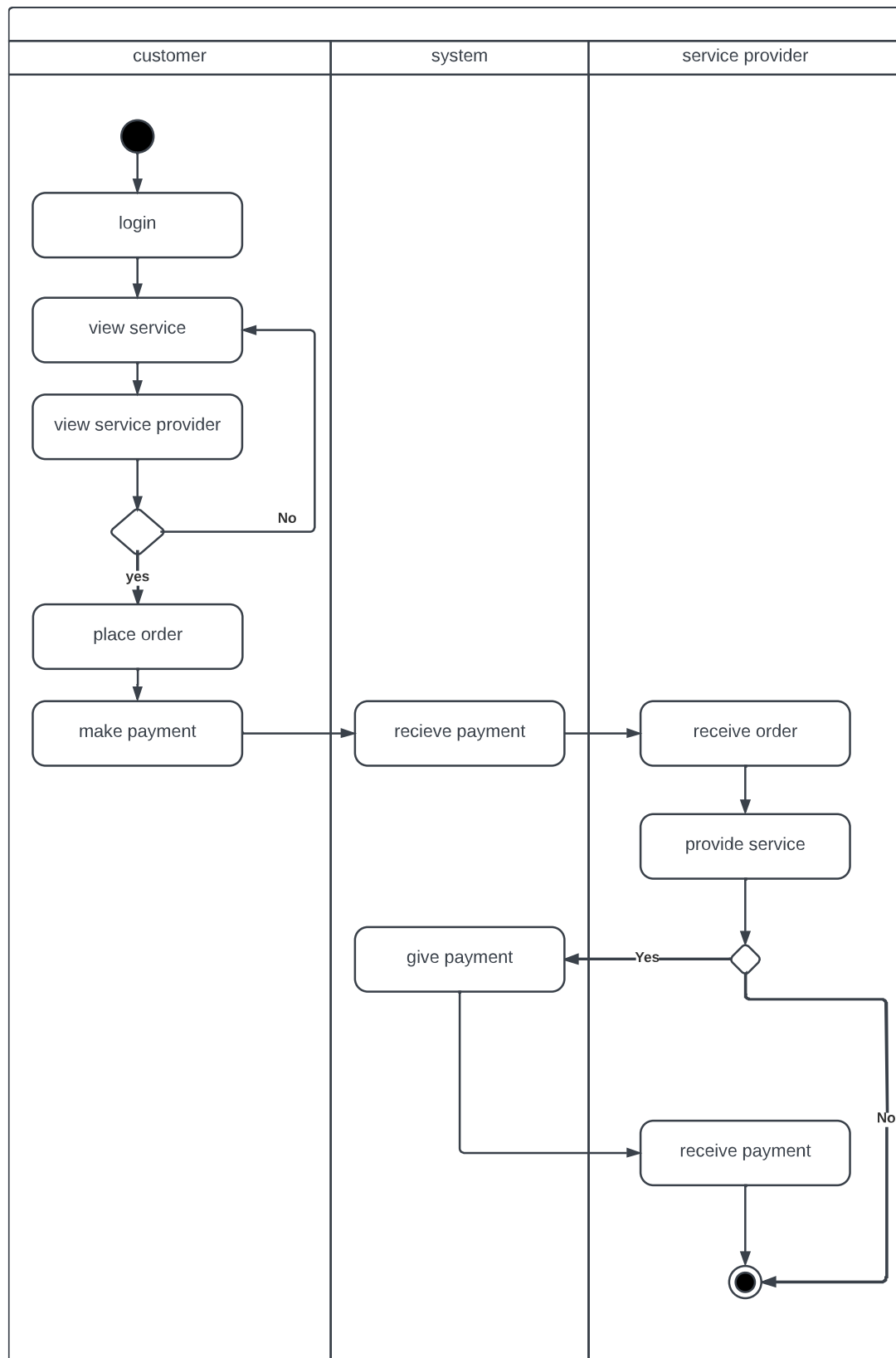
VIEW FEEDBACK & RATING



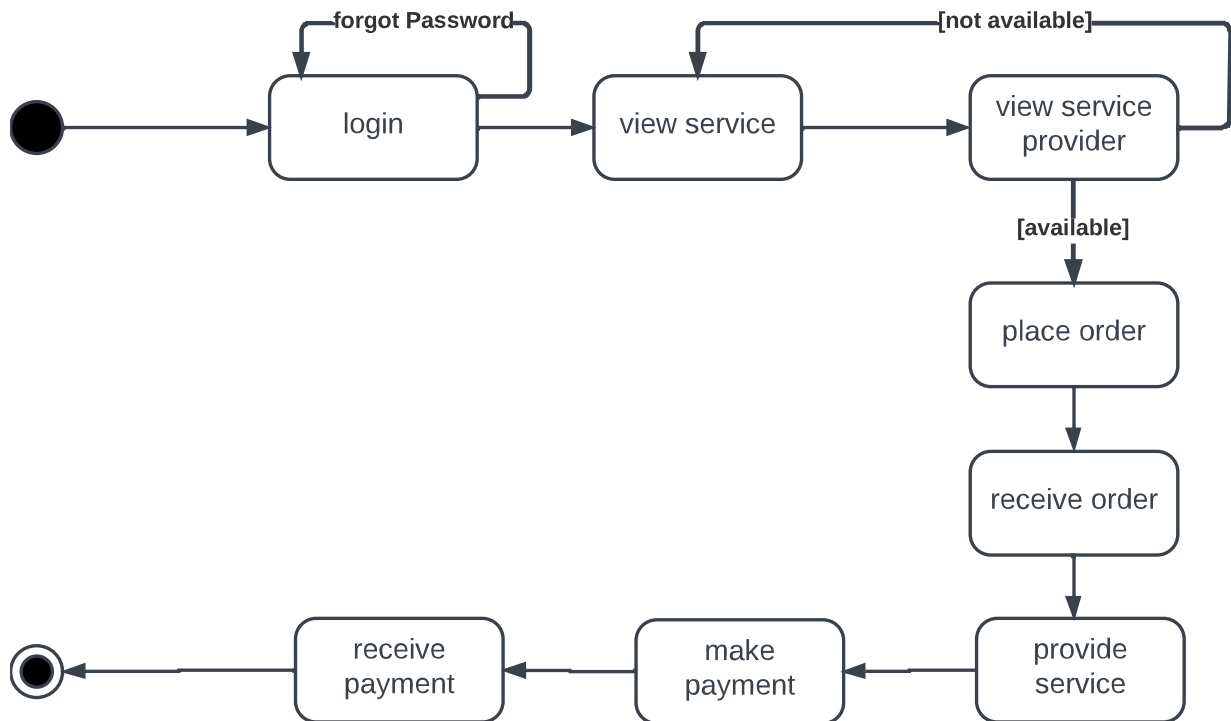
GENERATE REPORT



ACTIVITY DIAGRAM



STATECHART DIAGRAM



DATA DICTIONARY DIAGRAM

Role

Field name	Data type	Constraints	Description
Role_id	Integer	Primary key	Id of role
Role_name	Varchar(45)	Not null	Name of role

Login

Field name	Data type	Constraints	Description
Login_id	Integer	Primary key	Id of login
User_name	Varchar(45)	Not null	Name of user
Password	Varchar(45)	Not null	Password of user
Role_id	Integer	Foreign key	Id of role

State

Field name	Data type	Constraints	Description
State_id	Integer	Primary key	Id of state
State_name	Varchar(45)	Not null	Name of state

City

Field name	Data type	Constraints	Description
City_id	Integer	Primary key	Id of city
City_name	Varchar(45)	Not null	Name of city
State_id	Integer	Foreign key	Id of state

Area

Field name	Data type	Constraints	Description
Area_id	Integer	Primary key	Id of area
Area_name	Varchar(45)	Not null	Name of area
City_id	Integer	Foreign key	Id of city

Customer

Field name	Data type	Constraints	Description
Customer_id	Integer	Primary key	Id of customer
Login_id	Integer	Foreign key	Id of login
Area_id	Integer	Foreign key	Id of area
Customer_first-name	Varchar(30)	Not null	Customer firstname
Customer_last-name	Varchar(30)	Not null	Customer lastname
Address	Varchar(50)	Not null	Customer address
Phone_no	Integer	Not null	Phone no of customer
Email_id	Varchar(45)	Not null	Email of customer
Pincode	Interger	Not null	Pincode of customer

Service_provider

Field name	Data type	Constraints	Description
ServiceProvider_id	Integer	Primary key	Id of service-provider
Service_id	Integer	Foreign key	Id of service
Login_id	Integer	Foreign key	Id of login
Area_id	Integer	Foreign ley	Name of service-provider
ServiceProvider_name	Varchar(45)	Not null	Name of service-provider
Phone_no	Integer	Not null	Phone_no of service provider
Address	Varchar(250)	Not null	Address of service-provider
Email_id	Varhar(45)	Not null	Email of service-provider
Pincode	Integer	Not null	Pincode of service-provider

Service_category

Field name	Data type	Constraints	Description
ServiceCategory_id	Integer	Primary key	Id of service category
ServiceCategory_name	Varchar(45)	Not null	Name of category
ServiceCategory_details	Varchar(45)	Not null	Details of category

Service

Field name	Data type	Constraints	Description
Service_id	Integer	Primary key	Id of service
Service_name	Varchar(45)	Not null	Name of service
Service_price	Integer	Not null	Price of service
ServiceProvide_id	Integer	Foreign key	Id of service-provider
Service_availability	Integer	Not null	Availibiity of service
Service_description	Varchar(300)	Not null	Description of service
ServiceCategory_id	Integer	Foreign key	Id of service category
Service_availability	Integer	Not null	Availability of service

Order

Field name	Data type	Constraints	Description
Order_id	Integer	Primary key	Id of order
serviceProvicer_id	Integer	Foreign key	Id of service-provider
Customer_id	Integer	Foreign key	Id of customer
Order_date	Date	Not null	Date of order
Discount	Float	Not null	Order discount
Order_status	Varchar(45)	Not null	Order status
Total_amount	Integer	Not null	Total amount of order
Address	Varchar(100)	Not null	Address of delivery
Pincode	Integer	Not null	Pincode of address

Order_details

Field name	Data type	Constraints	Description
Service_id	Integer	Primary key	Id of service
ServiceProvider_id	Integer	Primary key	Id of service-provider
Order_id	Integer	Foreign key	Id of order
Amount	Integer	Not null	Amount of order
Order_date	Date	Not null	Date of order
Qty	Integer	Not null	Quantity of order
Cancellation_date	Date	Not null	Date of cancellation
Iscancelled	Integer	Not null	Status of cancellation

Service_provider_has_service

Field name	Data type	Constraints	Description
ServiceProvider_id	Integer	Primary key	Id of service-provider
Service_id	Integer	Primary key	Id of service
Charges	Integer	Not null	Charges of services

Customer_feedback

Field name	Data type	Constraints	Description
Customer_id	Integer	Foreign key	Id of customer
ServiceProvider_id	Integer	Foreign key	Id of service-provider
Description	Varchar(45)	Not null	Description of feedback
Date	Date	Not null	Date of feedback

Service_provider_feedback

Field name	Data type	Constraints	Description
Customer_id	Integer	Foreign key	Id of customer
ServiceProvider_id	Integer	Foreign key	Id of service-provider
Description	Varchar(45)	Not null	Description of feedback
Date	Date	Not null	Date of feedback

Service_provider_rating

Field name	Data type	Constraints	Description
Customer_id	Integer	Foreign key	Id of customer
ServiceProvider_id	Integer	Foreign key	Id of service-provider
Rating_value	Integer	Not null	Value of rating
Rating_Date	Date	Not null	Date of rating

Customer_rating

Field name	Data type	Constraints	Description
Customer_id	Integer	Foreign key	Id of customer
ServiceProvider_id	Integer	Foreign key	Id of service-provider
Rating_value	Integer	Not null	Value of rating
Rating_Date	Date	Not null	Date of rating

Manage_cart

Field name	Data type	Constraints	Description
Service_id	Integer	Primary key	Id of service
Customer_id	Integer	Primary key	Id of customer
Qty	Integer	Not null	Quantity of service
Amount	Integer	Not null	Amount of service
Service_provider_id	Integer	Foreign key	Id of service provider

Payment

Field name	Data type	Constraints	Description
Payment_id	Integer	Primary key	Id of payment
Order_id	Integer	Foreign key	Id of order
Amount	Integer	Not null	Amount of payment

Refund

Field name	Data type	Constraints	Description
Refund_date	Date	Not null	Date of refund
Refund_amt	Integer	Not null	Amount of refund
Payment_id	Integer	Foreign key	Id of payment

CONCLUTION

The “ONLINE HOME SERVICES” web-based application will be developed by us through applying our knowledge gained in class room, referring to certain book, browsing some sites and through the help of internal faculties and using our knowledge related to the subject itself.

No project can be termed as ‘perfect’ in the real sense and there always remains scope for further improvement and so that helps to develop a new version. We are always eager to know some new points and it will help us to create new version.

We would like to thank the project guide and organization staffs that extend all their support and helped us to complete this work.