1. Company Profile

About Gateway Group:

- The Gateway Corp, is a principal holding company and promoter, of independent operating companies within the Gateway Group. It is headquartered in India & The Netherlands.
- The Gateway Corp, operates independently under the guidance and supervision of its Board of Directors and Shareholders. It comprises of companies focused on Disruptive Innovation, Industry Oriented Technology Consulting, Software Platforms and IT services.
- Gateway Group was established with a singular mission to help our customers win in the markets they operate in. With the collective wisdom of the founders together with a multinational global team, we have been spreading our wings across the globe with distinct customer winning stories.

Our Key Service Offerings:

- Automotive
- Logistics
- Retails
- Healthcare
- Fintech
- Publishing & Media
- Legal
- Manufacturing

We are committed to accelerating equality for all and creating a work environment where every member of our global workforce is at their best, both professionally and personally.

Website: https://thegatewaycorp.com/

2. Project Profile

2.1 Project Definition

We care Home Care

2.2 Project Description

A web-based solution to order/manage home care services (office/home cleaning, washing of rental house, stair cleaning etc.). The customer area should provide online ordering facility of home care services to end user along with management of his/her profile & orders. The admin area should provide easy way to manage customer, services, feedbacks & orders.

2.3 Existing System

There are some limitation in existing system in that system people can get only single provider which provide all type of services. They cannot get various Providers in one portal.

2.4 Problem Statements

The Problem is people face difficulty to find particular cleaner in their area. Because they find cleaner offline and so that they cannot find the best cleaner. Apart from this sometime they have to pay more money than the actual requirement. In addition they cannot get the more alternative options

2.5 Need for New System

This project is aimed at a one-stop solution that provides for comprehensive ERP, needs in the field of Home care services. Web- application can solve the problem faced by many people. This system would be very efficient in providing daily based services to the customers by the vendors. It will help the customer to easily find what is the best service and the vendor by checking the reviews and ratings of the service and the company which is providing the services. This web application will be very much time saving for the customer as they can choose the services according to their time and convenience.

2.6 Proposed System

We care Home care is an exceedingly new system implementation that provide high-quality service that is affordable and flexible to our client. Furthermore, people can book their service according to their requirement with any time at any place. In addition, people can find the different alternatives of different services and they can get a chance to select based on their affordability

2.7 Scope

- The objective of the "WE CARE HOME CARE" is to develop a website so that the users can interact with the system and as per their needs they can hire professionals to avail the services provided by them.
- Home services are needed and the demand for services is increasing everyday.
- So to provide easy availability to users as well as service provider this system is very useful

2.8 Outcomes

- The objective of the "WE CARE HOME CARE" is to develop a website so that the users can interact with the system and as per their needs they can hire professionals to avail the services provided by them.
- This project provides a system which can be utilized by the parties interested in hiring professionals for various house cleaning services and other miscellaneous day to day activities by listing all the available service providers nearby and allowing the user to select one that suits their interest.
- Users don't need to worry as all the profiles of service provider that appears on the application is pre-verified.
- Users can select particular service provider by checking feedbacks and reviews provided by the customers.
- The application will also provide the user with an option to cancel their request with ease.

2.9 Tools & Technologies:

- **Tools**
  1. Visual studio code
  2. Postgresql server
  3. Postman
  4. Dbever
- **Technologies**
  1. Front end:
     - React :

       React is an open-source, front end, JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications
  2. Backend:
     - Node:

       Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.

3. Requirement Analysis

3.1 Feasibility Study

- **Economical Feasibility**

  In This project, we will require to have a internet connection for better online application. Such at the developer end it needs the good server with high capacity of RAM and CPU processors so can it can handle lots of members at time online communications, but as it will be web-enabled we do not have any extra cost of setting up a network. This is also feasible economically.

- **Technical Feasibility**

  This application does require that much of higher & advanced technology. It requires database interaction and it also requires to be accessed via any browser and also required internet on that particular device. This can be easily done. Also these should be a facility of online order for particular service online. We are sending all the service information with the all service attributes so the members can have reliable navigation and make proper decision for order service. It must be developed within the 40 days of period excluding the time period for the testing and validation, verification. Thus it seems that the project is technically feasible to do.

- **Operational Feasibility**

  The new system can be beneficial only if it satisfies the organization requirements; in such a way that resource utilization and optimum outcome is justified. A new system should not only be robust but should also be able to work simultaneously with other systems. Operational feasibility means that new system should not affect any existing system during the development phase or even in the implementation phase. Following are some points underlying the operational feasibility of the system- As the development proceeded many doubts got cleared out.

  Efforts were made to optimize the human efforts in data collection, storage, retrieval, security and presentation.

  The proposed system made best efforts in achieving necessary function and performance, as required by the user and keeping in mind some infrastructure constraints.

3.2 User of the System

- Admin
- Customer
- Provider

3.3 Modules of the System

Login

Registration

Customer Management

Provider Management

Order Management

Service Management

Feedback Management

3.4 Process Model

Spiral Model Spiral Model may be a combination of a body of water model and unvarying model. [1] every introduce spiral model begins with a style goal and ends with the consumer reviewing the progress. [2]

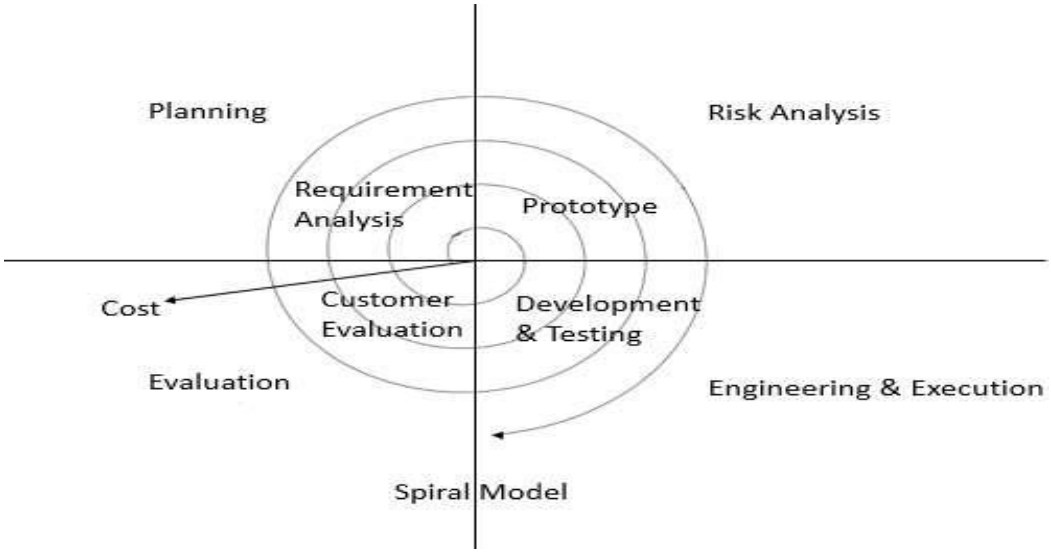


Figure 1 Spiral Model

Why Spiral Model is used?

- Project is massive.
- Risk and prices analysis square measure vital.
- Changes could need at any time.
- important changes square measure expected within the product throughout the event cycle. [3]

3.5 Hardware and Software Requirements

- **Server Side**
  - Hardware Requirements
    - Processor - Intel Core i5 6th Gen
    - Memory – 4.00 Gb
    - OS(Window 10)
    - Hard disk(1.00 Tb)
  - Software Requirements
    - Visual Studio code
    - Postman
    - Dbever
    - Web Browser(Mozilla Firefox,Google Chrome)
    - MS Word
    - MS Power Point
    - E-Draw
- **Cilent Side**
  - Internet enabled device with web-browser

3.6 Use Case

1. Customer
2. Admin

3.6 Use Case Diagram

Customer:

Figure 2 Customer usecase diagram

Admin:

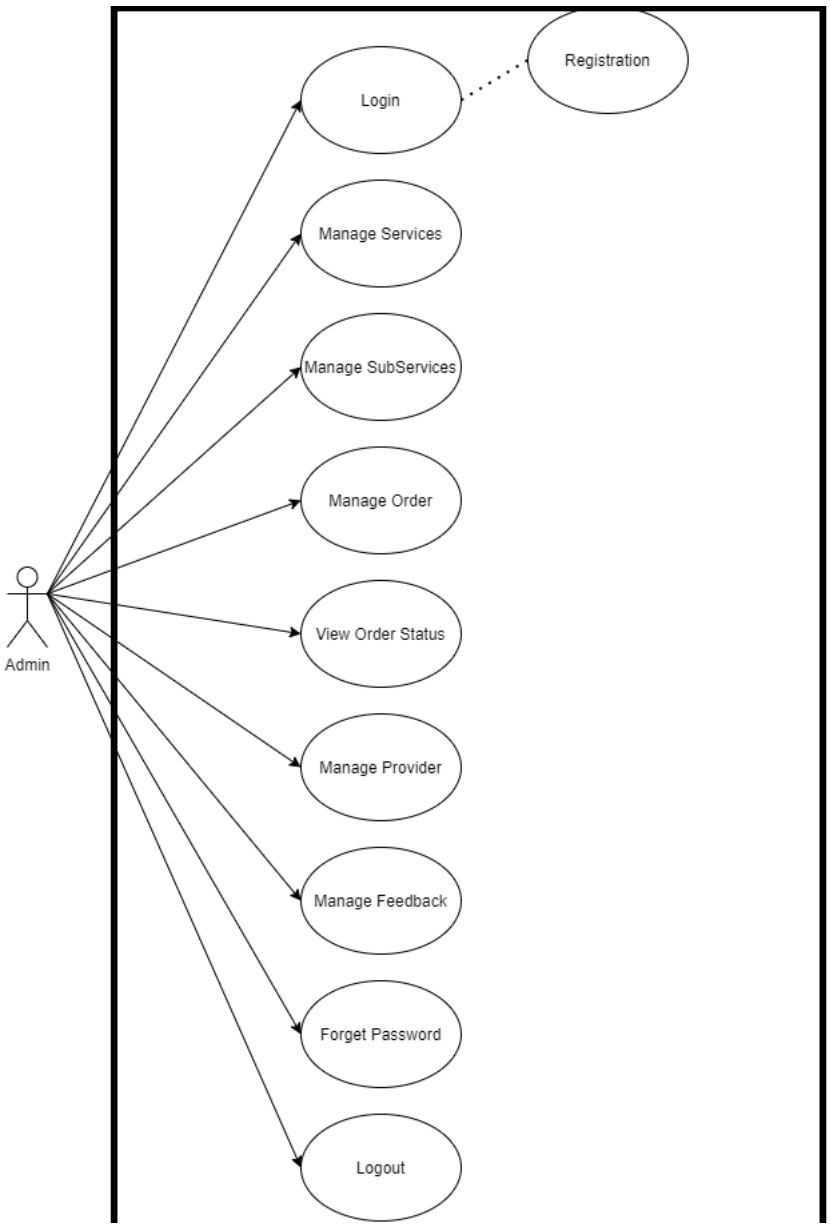


Figure 3 Admin usecase diagram

4.1 Use Case Scenarios

1. Admin Login

Use Case ID	UC01
Use Case Name	Login
Primary Actor	Admin
Pre-Condition	Admin must be registered
Basic Flow Of System	The website can be accessed through email id and password
Alternative Way	There is not any alternative way for login

2. Manage Provider

Use Case ID	UC02
Use Case Name	Manage Provider
Primary Actor	Admin
Pre-Condition	Admin must be logged in
Basic Flow Of System	Admin can add Provider, update the provider details and delete the provider
Alternative Way	There is not any alternative way for login

3. View Customer

Use Case ID	UC03
Use Case Name	View Customer
Primary Actor	Admin
Pre-Condition	Admin must be logged in
Basic Flow Of System	Admin can view all the customer which are enroll in this website
Alternative Way	There is not any alternative way for login

4. Manage Order

Use Case ID	UC04
Use Case Name	Manage Order
Primary Actor	Admin
Pre-Condition	Admin must be logged in
Basic Flow Of System	Admin can view order, confirm and reject the order and also view the status of the order
Alternative Way	There is not any alternative way for login

5. Manage Feedback

Use Case ID	UC05
Use Case Name	Manage Feedback
Primary Actor	Admin
Pre-Condition	Admin must be logged in
Basic Flow Of System	Admin can view feedback ,give response of that particular feedback
Alternative Way	There is not any alternative way for login

6. Manage Services and Subservices

Use Case ID	UC06
Use Case Name	Manage services and subservices
Primary Actor	Admin
Pre-Condition	Admin must be logged in
Basic Flow Of System	Admin can add, update and delete the services and subservices
Alternative Way	There is not any alternative way for login

7. Customer Login

Use Case ID	UC07
Use Case Name	Login
Primary Actor	Customer
Pre-Condition	Customer must be registered

Basic Flow Of System	The website can be accessed through email id and password
Alternative Way	There is not any alternative way for login

8. View Services and Subservices

Use Case ID	UC08
Use Case Name	View services and subservices
Primary Actor	Customer
Pre-Condition	There is not any pre-condition
Basic Flow Of System	Customer can view all services and subservices
Alternative Way	There is not any alternative way for login

9. Add to cart and place order

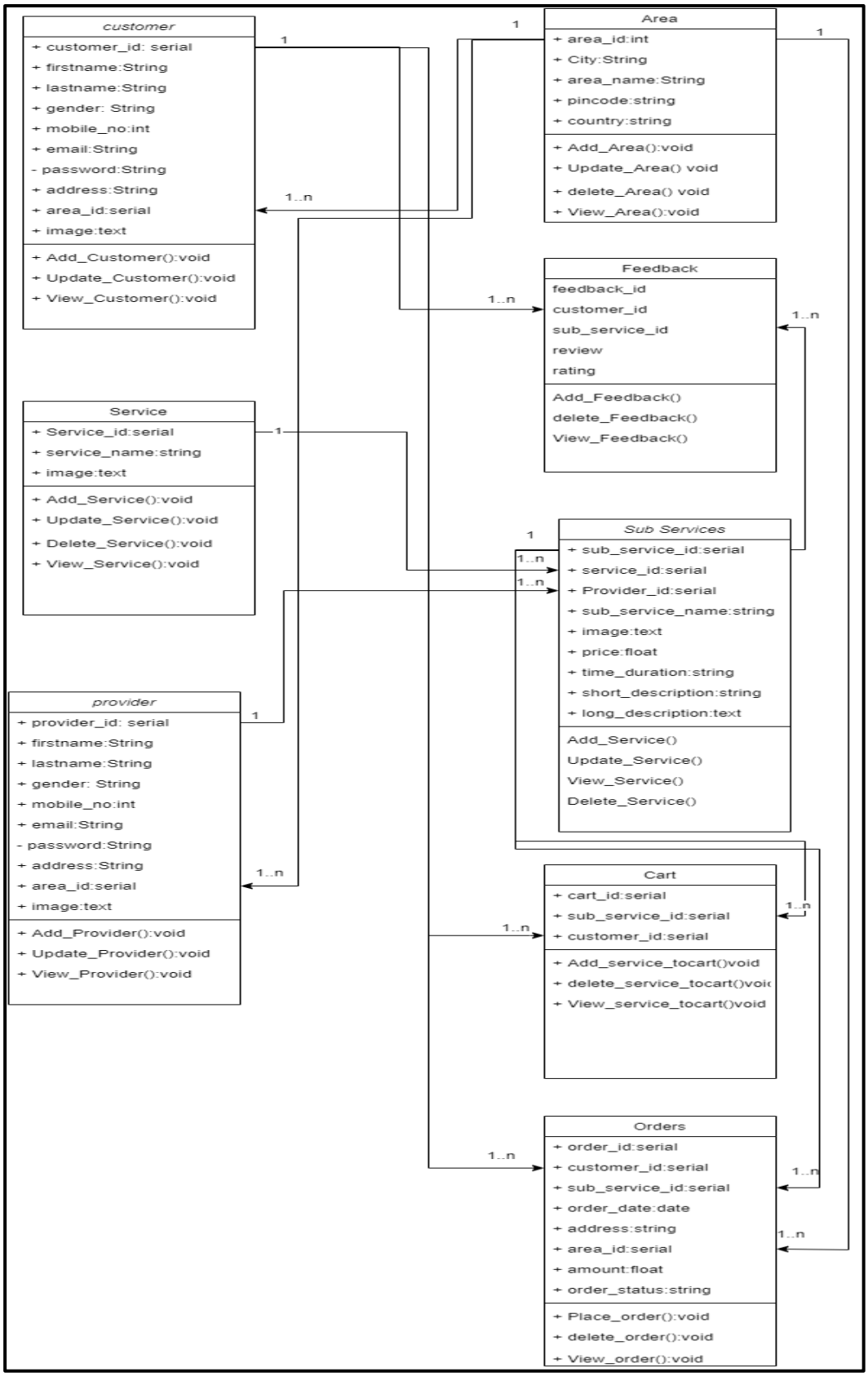
Use Case ID	UC09
Use Case Name	AddTocart
Primary Actor	Customer
Pre-Condition	User must be logged in
Basic Flow Of System	Customer can place their order by add service into cart
Alternative Way	There is not any alternative way for login

10. View Order

Use Case ID	UC10
Use Case Name	View Order
Primary Actor	Customer
Pre-Condition	User must be logged in
Basic Flow Of System	Customer can view their order and order status
Alternative Way	There is not any alternative way for login

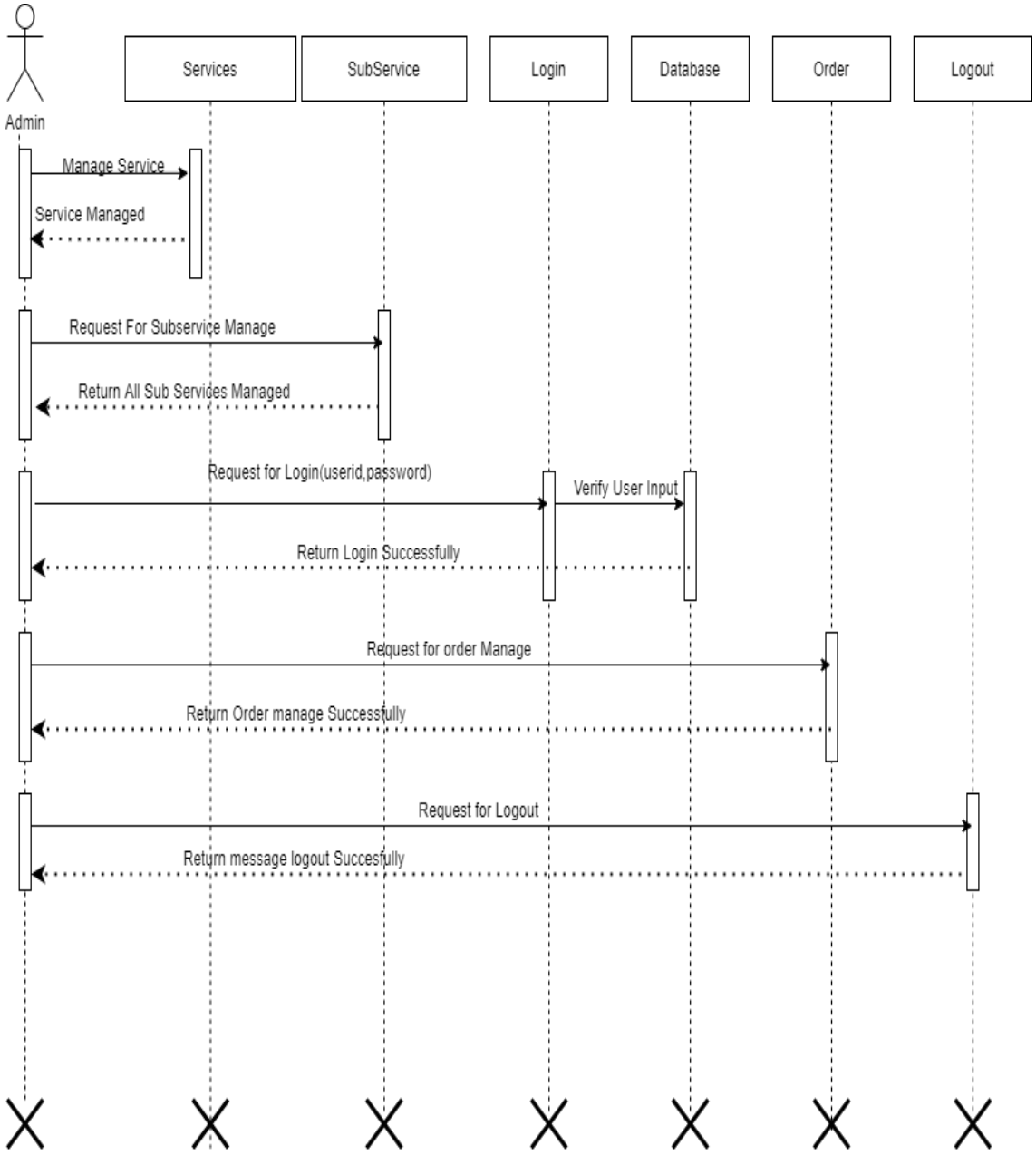
4.2 UML Diagram

4.2.1 Class Diagram:

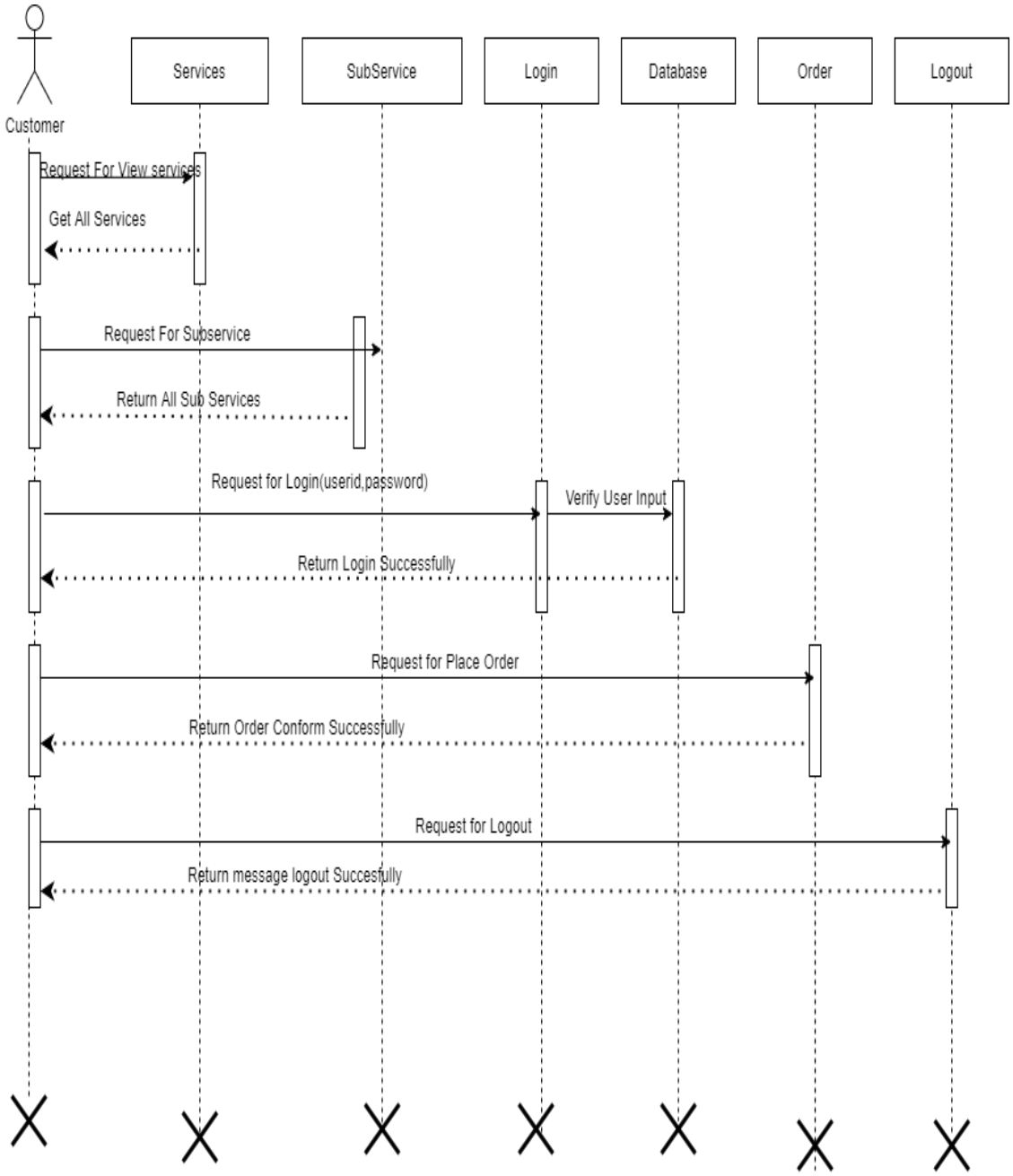


4.2.2 Sequence Diagram:

1. Admin

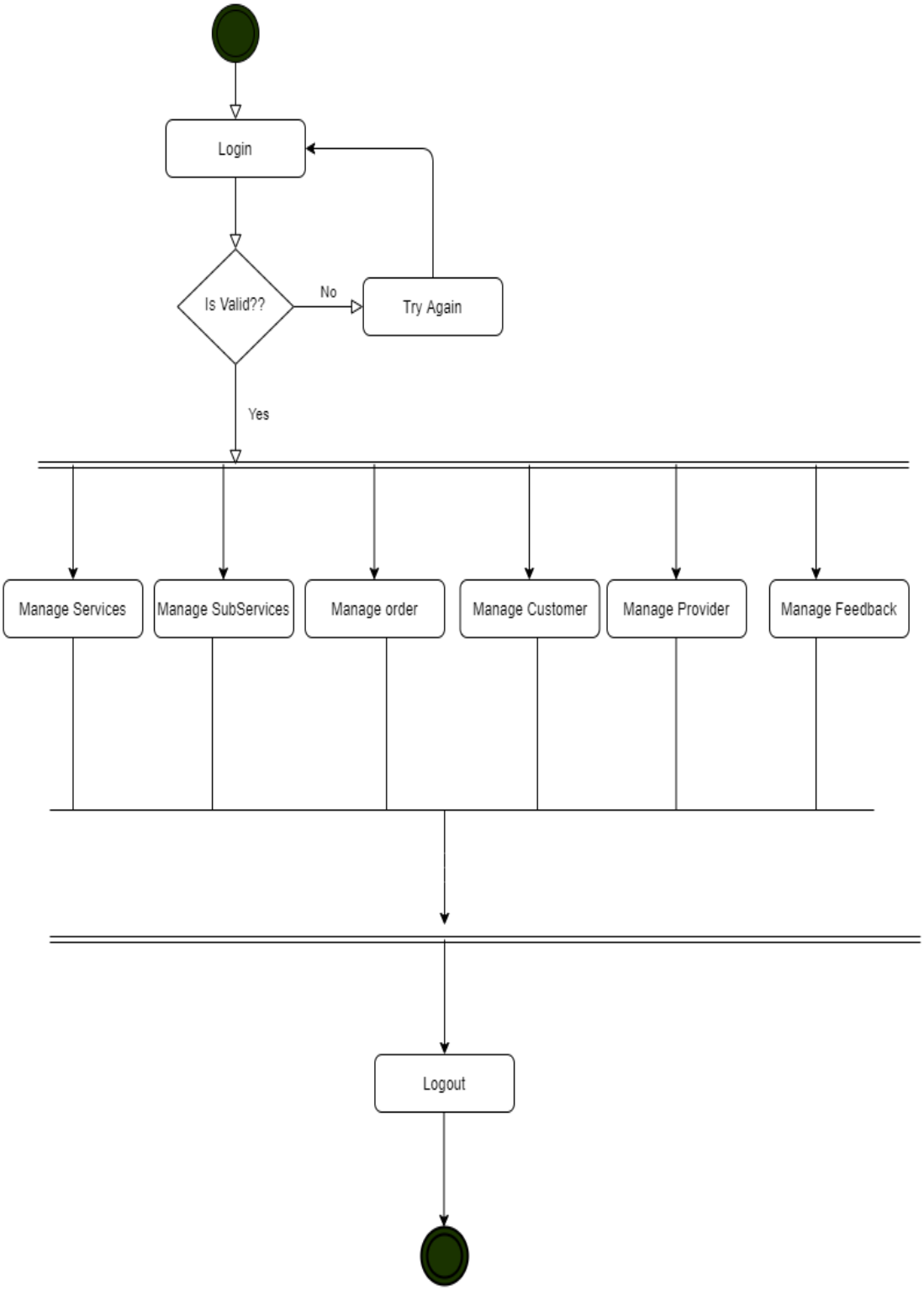


2. Customer

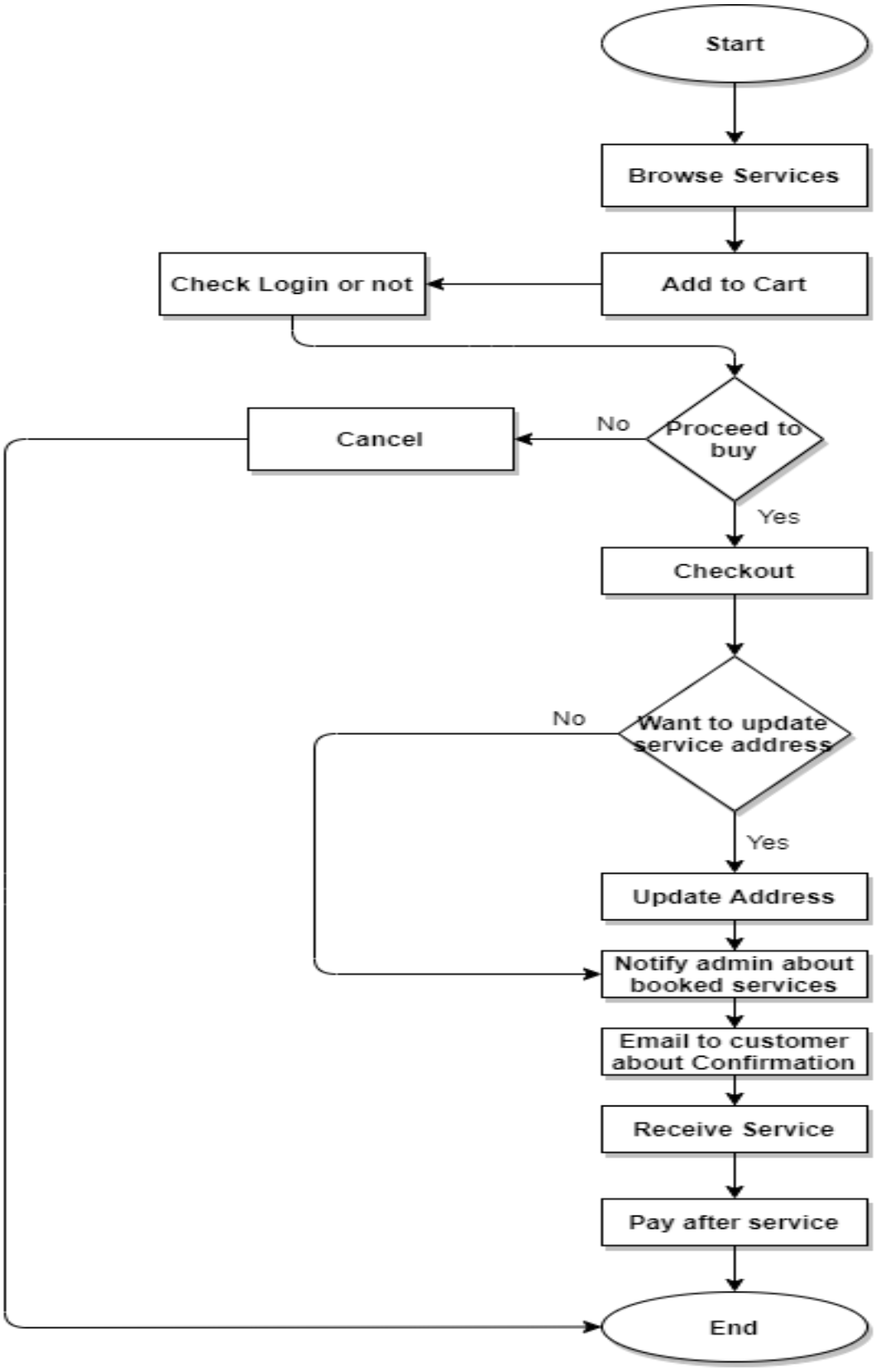

Customer
Services
SubService
Login
Database
Order
Logout
Request For View services
Get All Services
Request For Subservice
Return All Sub Services
Request for Login(userid,password)
Verify User Input
Return Login Successfully
Request for Place Order
Return Order Conform Successfully
Request for Logout
Return message logout Succesfully

4.2.3 Activity Diagram:

1. Admin

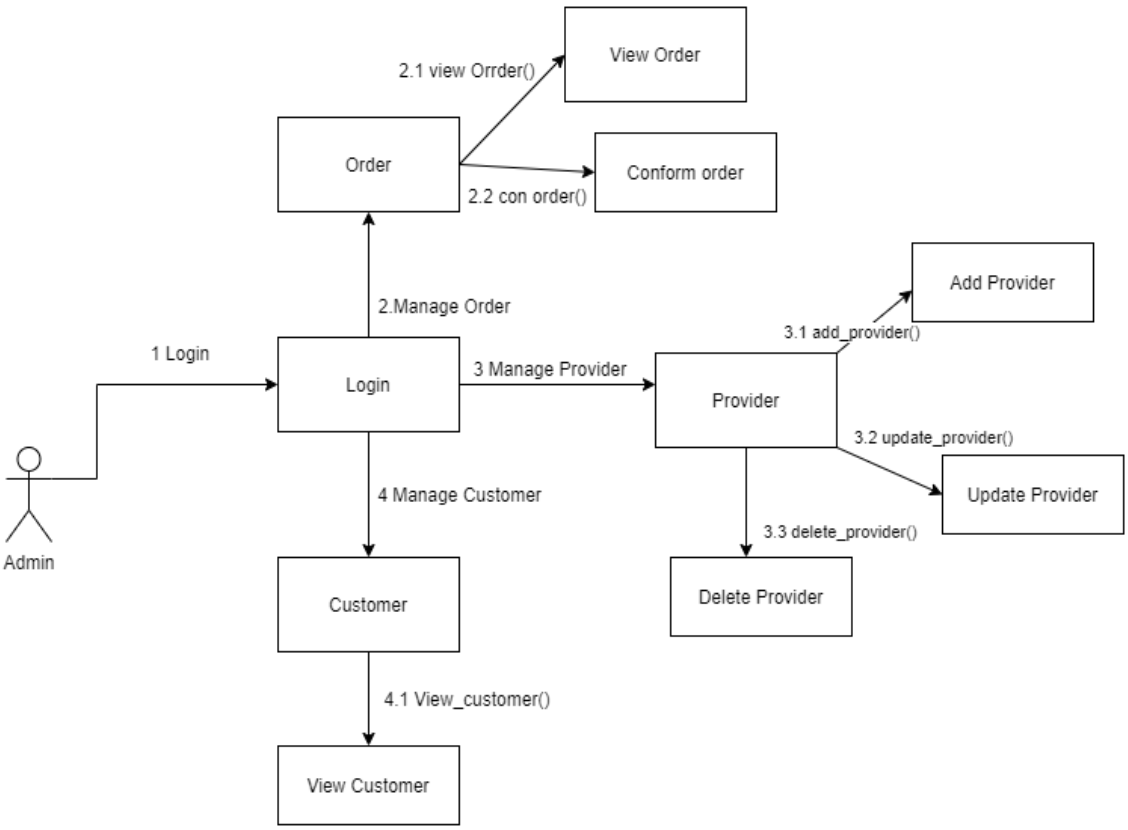


2. Customer

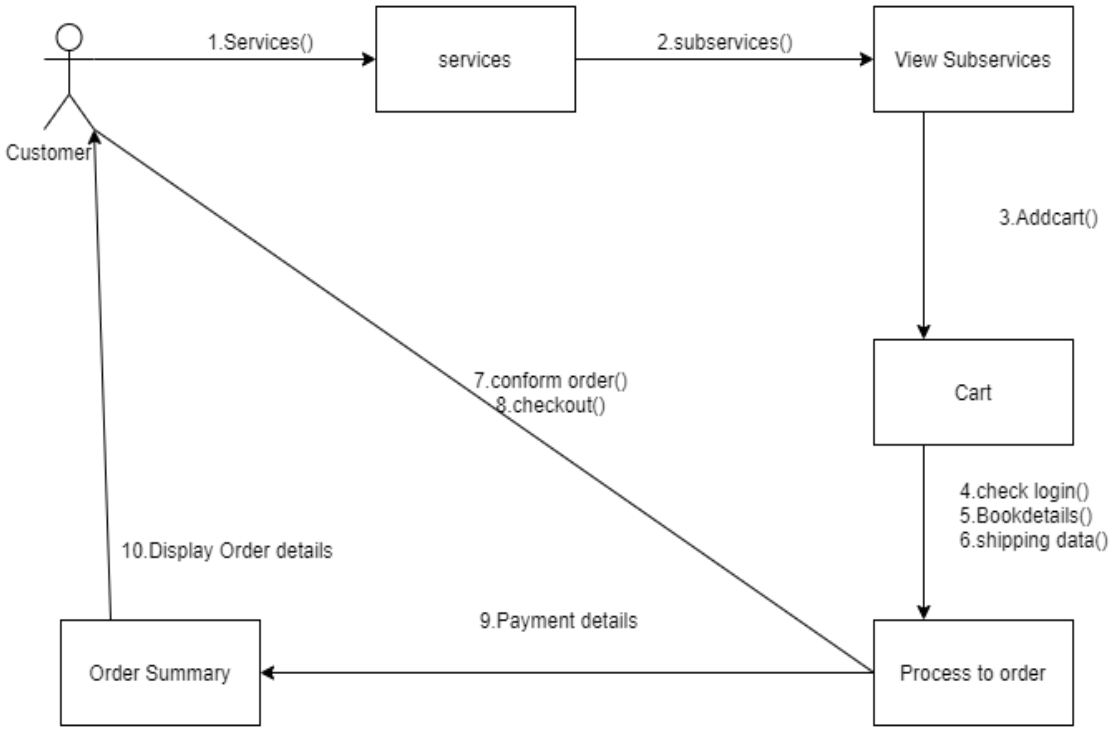

Start
Browse Services
Add to Cart
Check Login or not
Proceed to buy
No
Cancel
Yes
Checkout
Want to update service address
No
Yes
Update Address
Notify admin about booked services
Email to customer about Confirmation
Receive Service
Pay after service
End

4.2.4 Collaboration Diagram

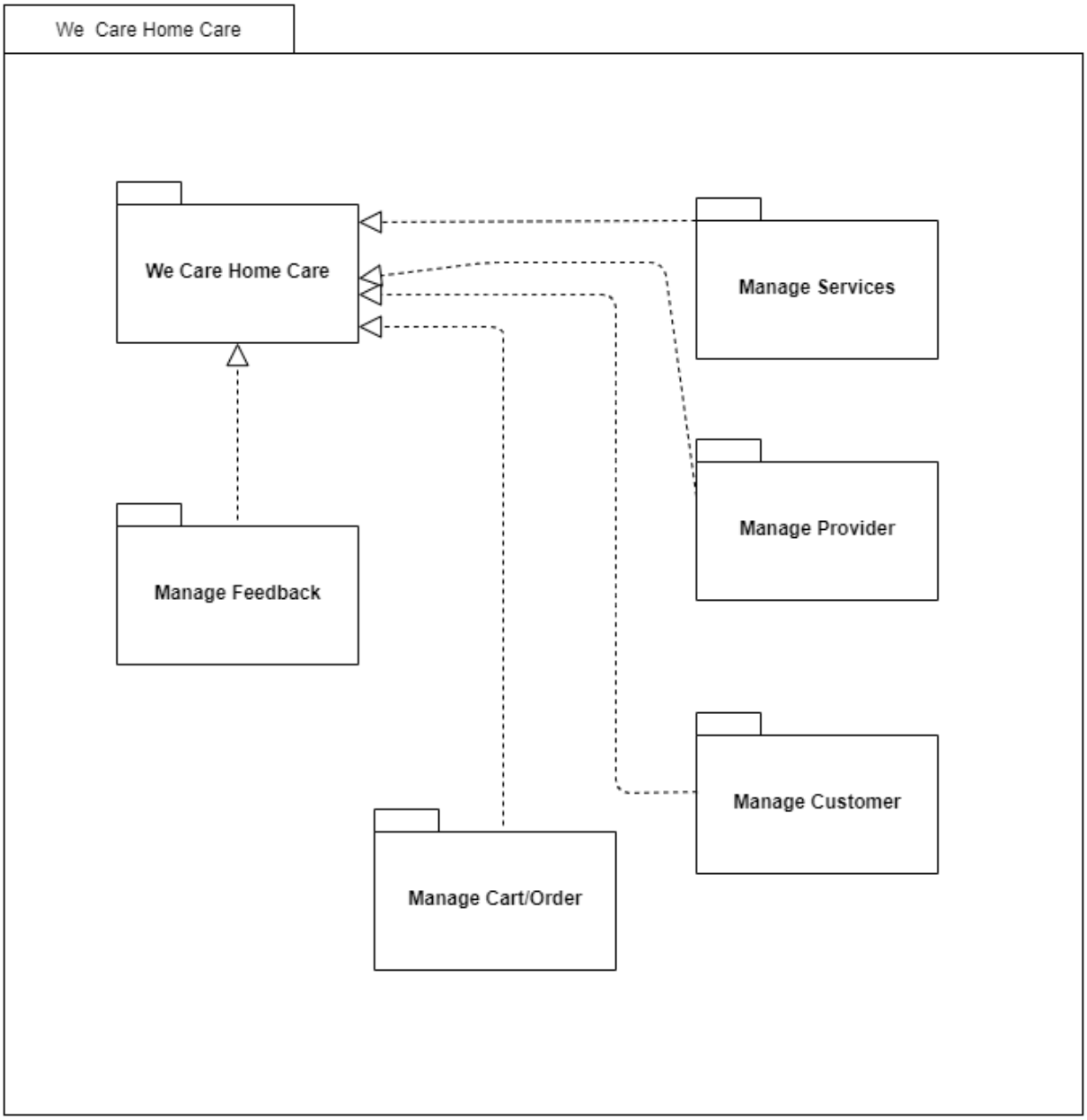
1. Admin



2. Customer



4.2.5 Package Diagram



4.3 Data Dictionary

1. Customer

Field	Data Type	Constraints	Description
ID	Alpha-Numeric	Primary key	Store unique id of customer
Firstname	Text	Required	Store firstname of customer
lastname	Text	Required	Store lastname of customer
Gender	Text	Required	Store gender of customer
Mobileno	Float	Required	Store mobileno of customer
Email	Text	Required	Store email of customer
Password	Text	Required	Store password of customer
Address	Text	Required	Store address of customer
Image	Text	Required	Store image of customer
Area	Text	Required	Store area of customer
Created_date	Date	Required	Store date of customer registration
Modified_date	Date	Required	Store date of customer update their details

2. Provider

Field	Data Type	Constraints	Description
ID	Alpha-Numeric	Primary key	Store unique id of provider
Firstname	Text	Required	Store firstname of provider
lastname	Text	Required	Store lastname of provider
Gender	Text	Required	Store gender of provider
Mobileno	Float	Required	Store mobileno of provider
Email	Text	Required	Store email of provider
Address	Text	Required	Store address of provider
Image	Text	Required	Store image of provider
Area	Text	Required	Store area of provider

Created_date	Date	Required	Store date of provider registration
Modified_date	Date	Required	Store date of provider update their details

3. Services

Field	Data Type	Constraints	Description
ID	Alpha-Numeric	Primary key	Store unique id of Services
Service_name	Text	Required	Store service name
Image	Text	Required	Store image of service
Created_date	Date	Required	Store date
Modified_date	Date	Required	Store date of service update

4. SubServices

Field	Data Type	Constraints	Description
ID	Alpha-Numeric	Primary key	Store unique id of SubServices
Provider_id	Alpha-Numeric	Foreign key(provider)	
Service_id	Alpha-Numeric	Foreign key(service)	
SubService_name	Text	Required	Store subservice name
Image	Text	Required	Store image of subservice
Price	Number	Required	Store price of subservice
Short_description	Text	Required	Store short description
long_description	Text	Required	Store long description
Time_duration	Text	Required	Store time
Created_date	Date	Required	Store date
Modified_date	Date	Required	Store date of sub service update

5. Cart

	Data Type	Constraints	Description
ID	Alpha-Numeric	Primary key	Store unique id of cart
customer_id	Alpha-Numeric	Foreign key(customer)	
subService_id	Alpha-Numeric	Foreign key(subservice)	
Created_date	Date	Required	Store date

Modified_date	Date	Required	Store date of cart update

6. PlaceOrder

Field	**Data Type**	**Constraints**	**Description**
ID	Alpha-Numeric	Primary key	Store unique id of order
customer_id	Alpha-Numeric	Foreign key(customer)	
subService_id	Alpha-Numeric	Foreign key(subservice)	
Order_date	Date	Required	Store the order date
Address	Text	Required	Store deliver address
Area	Text	Required	Store area
Amount	Number	Required	Store price of service
Order_status	Text	Required	Store the order status
Created_date	Date	Required	Store date
Modified_date	Date	Required	Store date of order update

7. Feedback

Field	**Data Type**	**Constraints**	**Description**
ID	Alpha-Numeric	Primary key	Store unique id of feedback
customer_id	Alpha-Numeric	Foreign key(customer)	
subService_id	Alpha-Numeric	Foreign key(subservice)	
Review	Text	Required	Store the review
Rating	Number	Required	Store the rating
Created_date	Date	Required	Store date
Modified_date	Date	Required	Store date of feedback update