

**A
Project Report
on
We Care Home Care
Developed By
Vrunda Savaliya [190511201741]
as
Partial Fulfillment of Semester VIth of
Master of Computer Applications
for A.Y. 2020 - 2021**

**Under the Guidance of
Dr. Priya Swaminarayan**

**Submitted To
Department of MCA
Faculty of IT & Computer Science
PARUL University**





CERTIFICATE

This is to certify that **Miss. Vrunda Savaliya, Enrollment No. 190511201741** student of Master of Computer Applications has satisfactorily completed the Major Project on “**Wecarehomecare**” at **Department of MCA, Parul University** as partial fulfillment of MCA Semester VI.

Seat No. _____

Date of Submission: _____

Internal Guide

Project Coordinator

Director - MCA

Department of MCA
Faculty of IT & Computer Science
PARUL University, Vadodara

Preface

In order to gain practical & industrial knowledge, I am required to work on a project as well as prepare a project report for the same.

In any organization project management is very important part, it's very difficult while its doing manually, sometime project manager stuck when many project running on time.

“wecarehomecare” is an web application. This is very helpful for Users who are doing job and any other work than house work. Which is providing all types of services for the home cleaning.

This app also provides one more services at one time

We dedicate this app to all users who are doing job or other work.

Acknowledgement

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely privileged to have got this all along with the completion of our project. All that we have done is only due to such supervision and assistance and we would not forget to thank them.

We owe our deep gratitude to our project guide **Dr. Priya Swaminarayan** (Director, MCA), who took a keen interest in our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good application.

We also like to thank **Prof. Vivek Dave** (Head of Department, MCA), **Prof. Kaushal Gor** (Project Coordinator) for guiding, helping and providing the expert lectures whenever needed.

We are thankful for and fortunate enough to get constant encouragement, support, and guidance from our Parents, all Teaching staff of the MCA Department which helped us in successfully completing our project work. Also, we would like to extend our sincere esteems to all staff in the laboratory for their timely support.

Vrunda Savaliya – 190511201741

INDEX

No.	Description	Page No.
1.	About Department of MCA	1
2.	Company Profile	2
3.	Project Profile 3.1 Project Definition 3.2 Project Description 3.3 Existing System / Work Environment 3.4 Problem Statements 3.5 Proposed System & Features 3.6 Scope 3.7 Outcomes 3.8 Tools & Technology used 3.9 Project Plan	3
4.	Requirement Analysis 4.1 Feasibility Study 4.2 Users of the System 4.3 Modules 4.4 Hardware & Software Requirements 4.5 Use Cases 4.6 Use Case Diagram	5
5.	Design 5.1 Use Case Scenarios 5.2 UML Diagrams 5.2.1 Class Diagram 5.2.2 Sequence Diagram 5.2.3 Activity Diagram 5.3 Data Dictionary	10
6.	Implementation 6.1 Form Layouts 6.2 Report Layouts 6.3 Coding Convention (Business Logic)	24
7.	Testing 7.1 Test Strategy 7.2 Test Cases	35
8.	Future Enhancement	39

1. About Department of MCA

PARUL University

Parul University is a legitimate university established under Gujarat Private University Act 2009, after legislation passed by the Government of Gujarat on 26th March 2015 giving University status to Parul Group of Institutes functioning under the aegis of Parul Arogya Seva Mandal Trust.

Faculty of IT & Computer Science

Faculty of IT and Computer Science, Parul University has materialized as one of the prime IT education providers at global level. Various departments under Faculty of IT and Computer Science strive in preparing IT-industry ready professionals by means of various skill development courses, vocational courses, co-curricular & extra-curricular activities, industry visits and expert lectures.

MCA Department

The Department of Master of Computer Application at Parul University emphasizes on building professionals in the domain of computer applications by providing necessary environment by means of facilitating suitable blend of technical and non-technical learning experience. The department cultivates students in various curricular, co-curricular and extra-curricular activities in order to produce future system analysts, system designers, system programmers, application programmers, testing professionals, system managers, project managers, researchers and other leading positions in systems/IT department.

The department offers various subjects from diversified technical/non-technical areas such as – core IT domain, management, communication skills, mathematics & logic building and rich pool of elective subjects.

The department of MCA focuses on project-based learning, and hence students are motivated to work on tiny hands-on projects in practical oriented subjects to get better exposure. Moreover, throughout their MCA studies, students are required to work on around 3 mini/major projects in individual/team to get enough confidence on software-development and thereby become industry-ready.

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. Dbver

- **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]

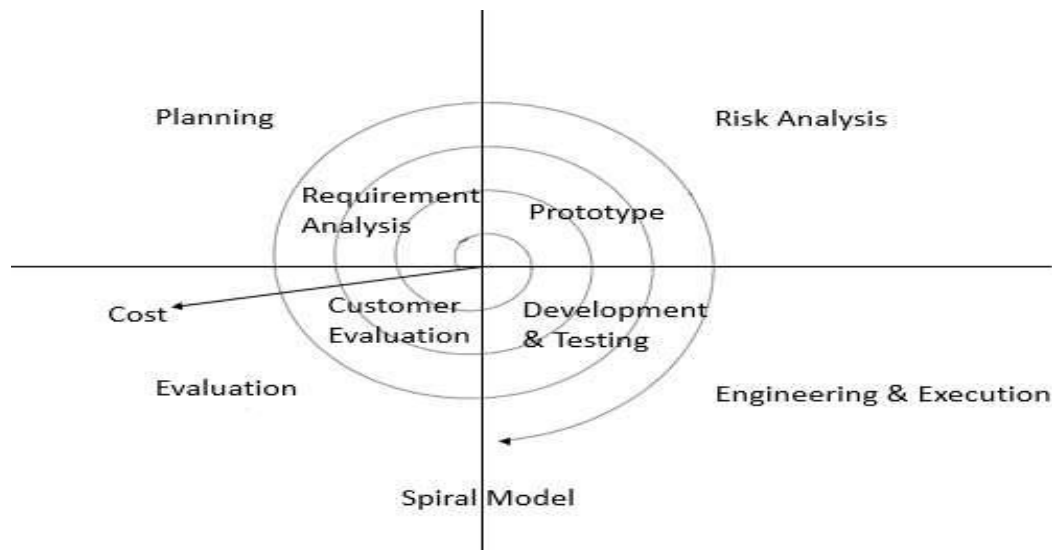


Figure 1 Spiral Model

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:

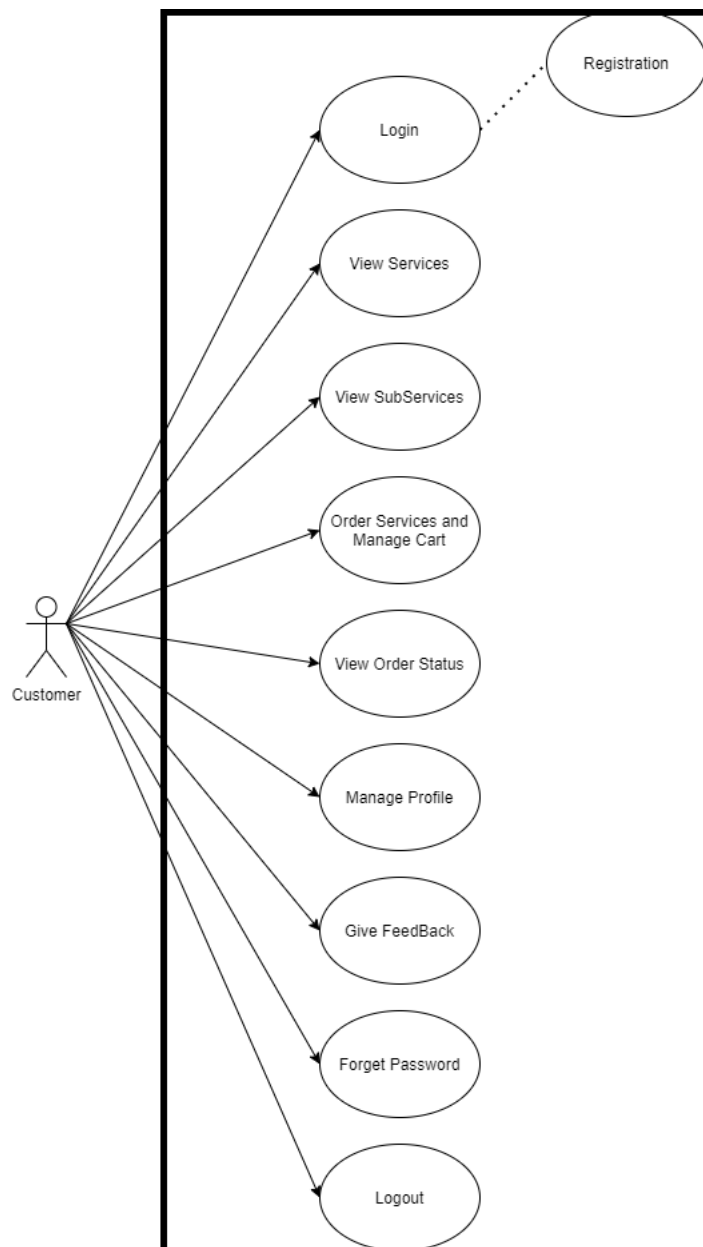


Figure 2 Customer usecase diagram

Admin:

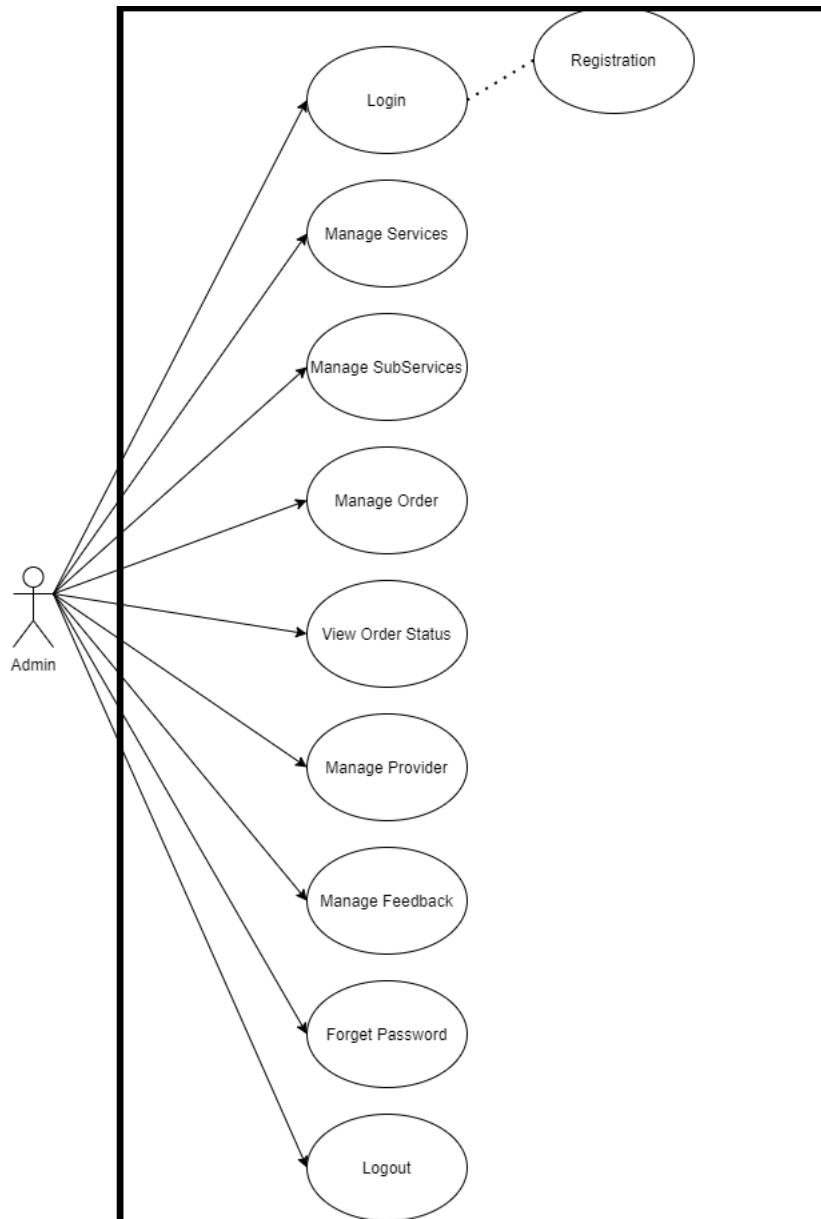


Figure 3 Admin usecase diagram

4.Design

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

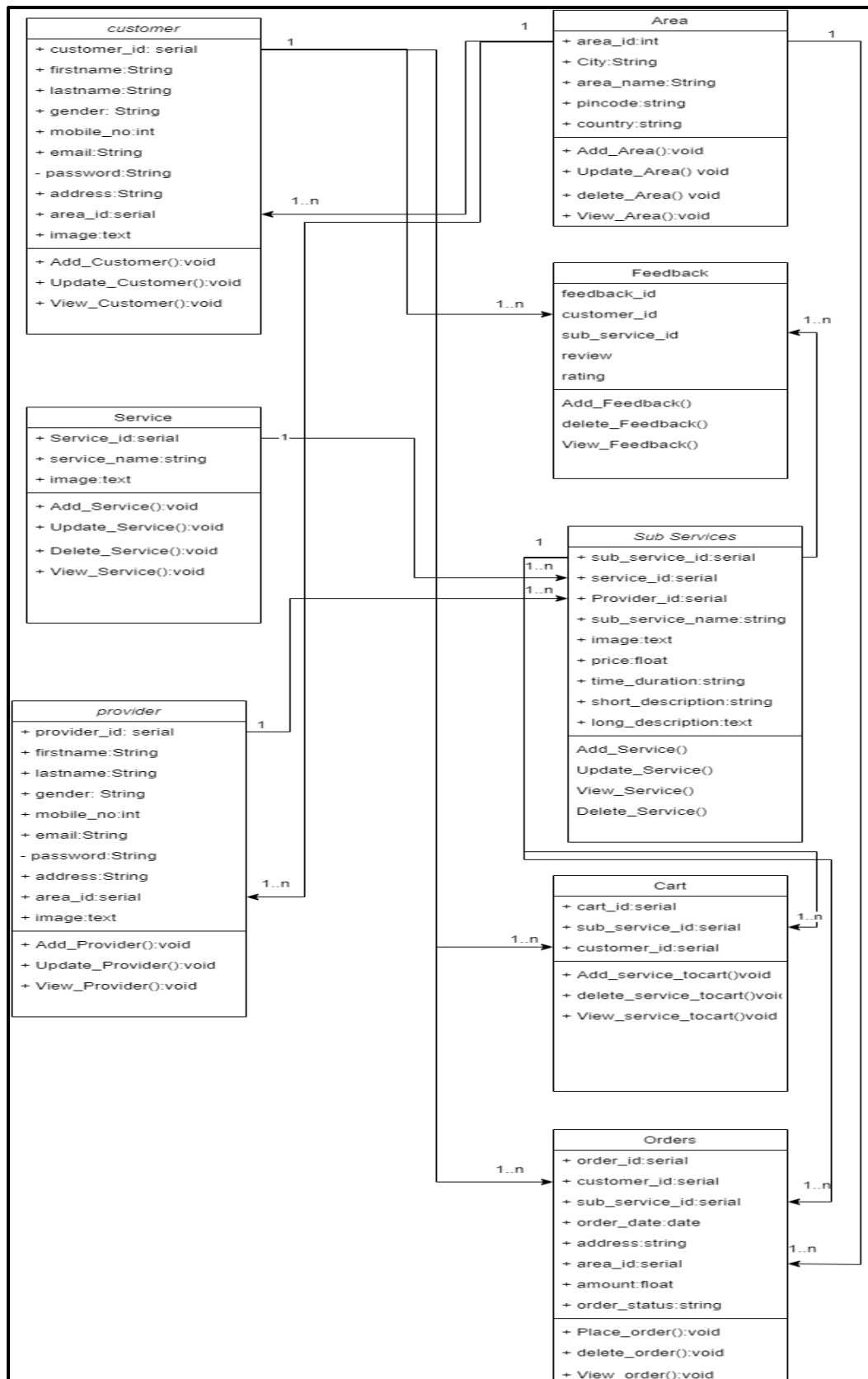
Use Case ID	UC09
Use Case Name	AddTocart
Primary Actor	Customer
Pre-Condition	User must be logged in
Basic Flow Of System	Customer can place their order by add service into cart
Alternative Way	There is not any alternative way for login

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

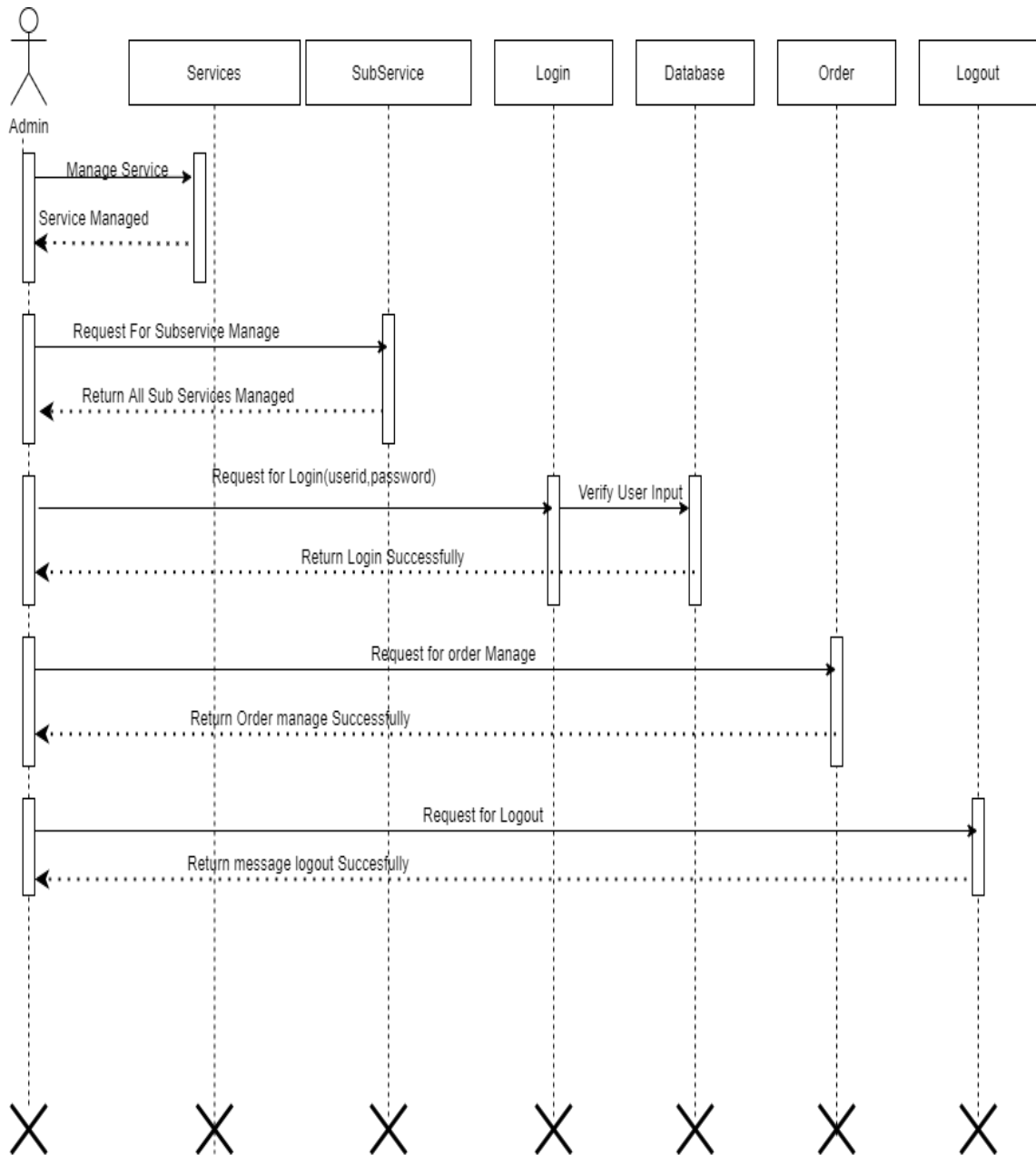
4.2 UML Diagram

4.2.1 Class Diagram:

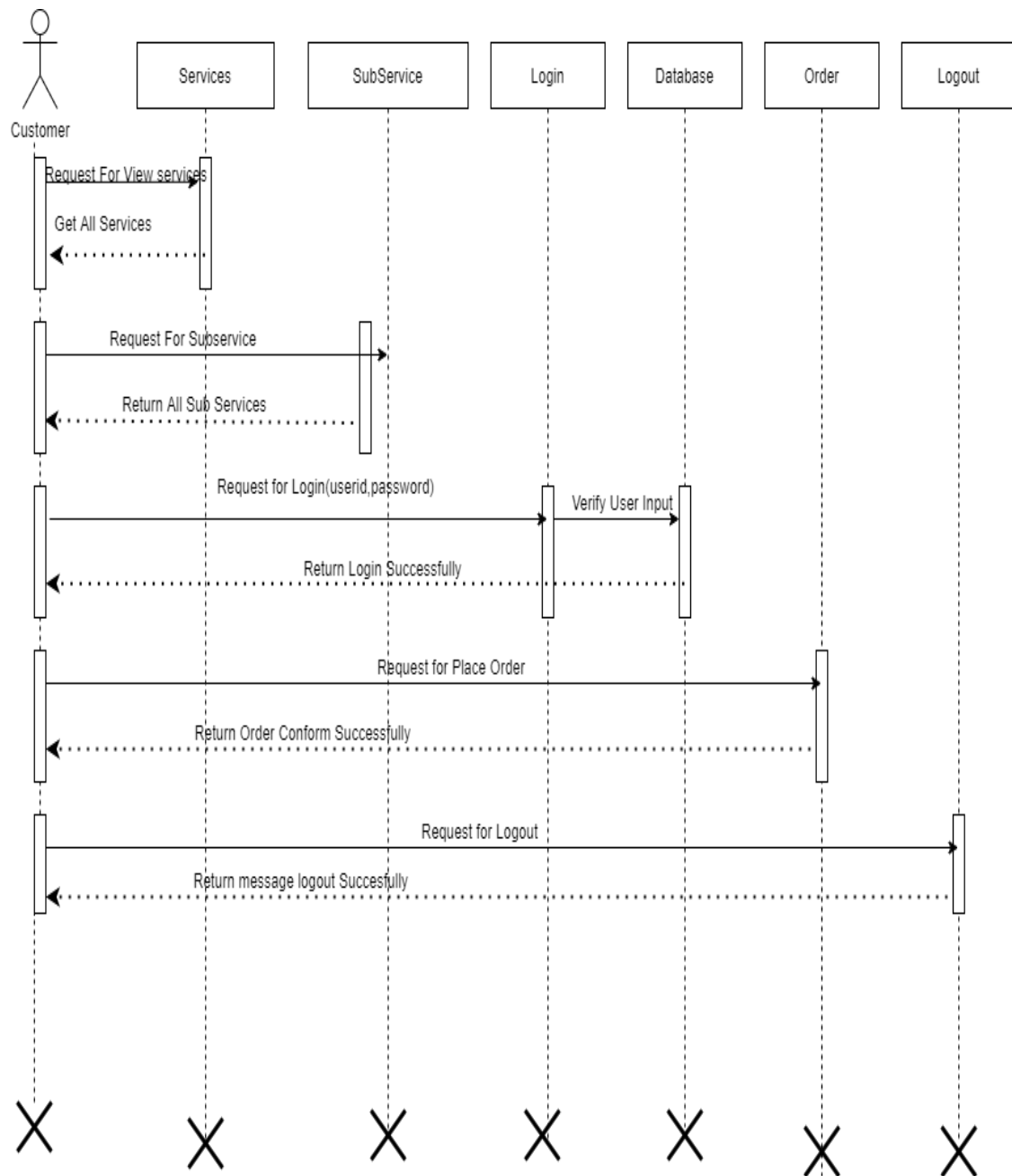


4.2.2 Sequence Diagram:

1. Admin

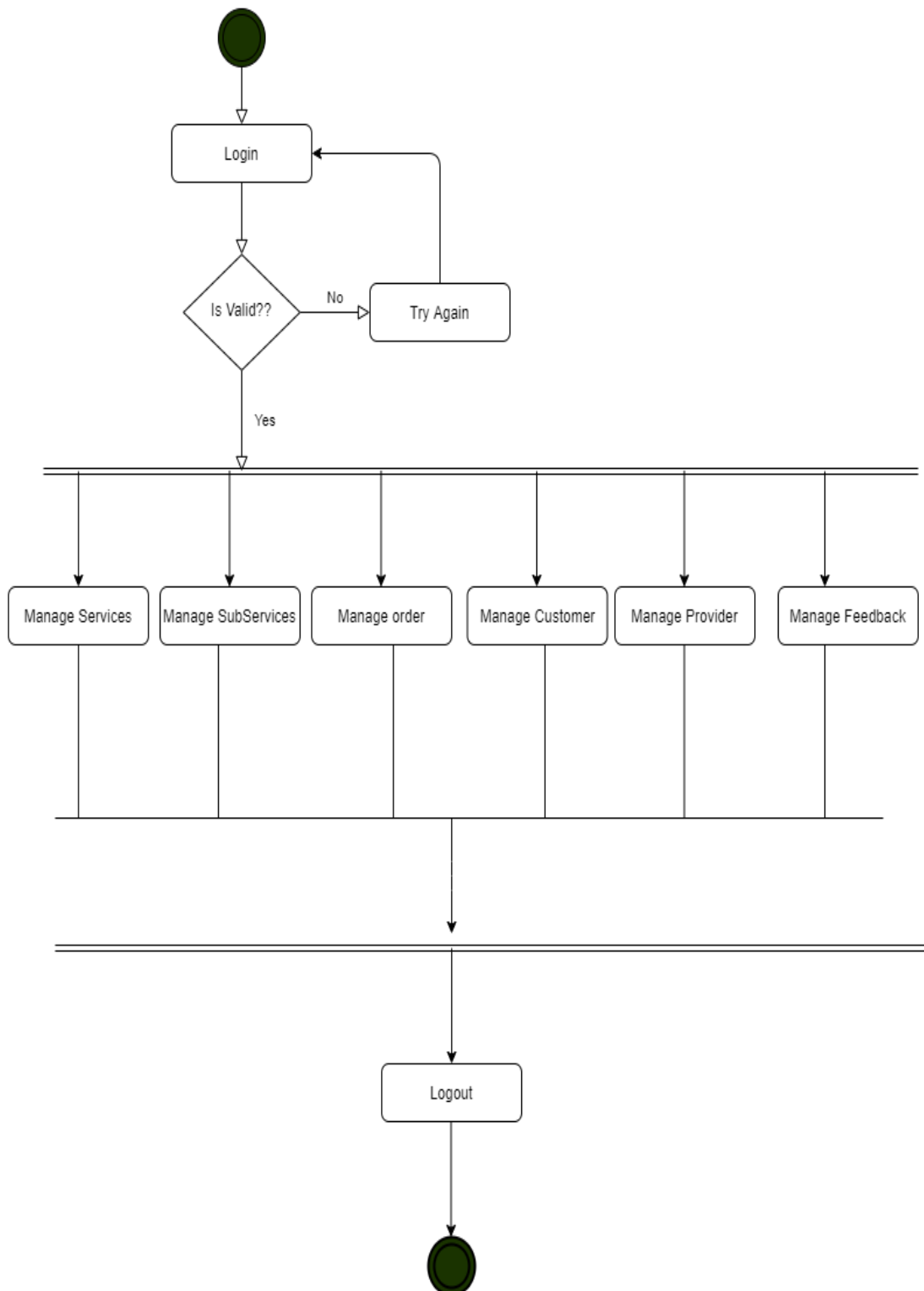


2. Customer

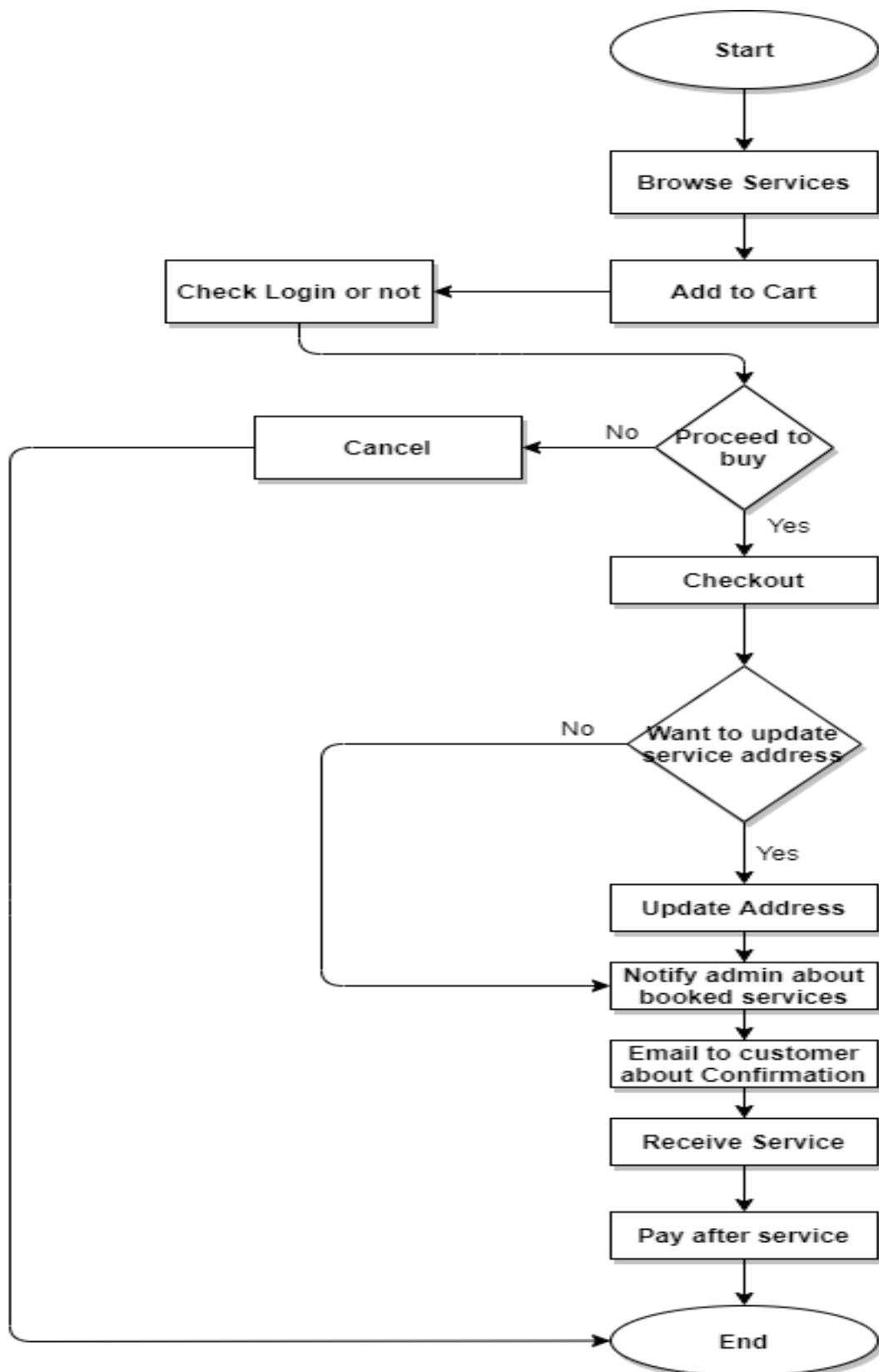


4.2.3 Activity Diagram:

1. Admin

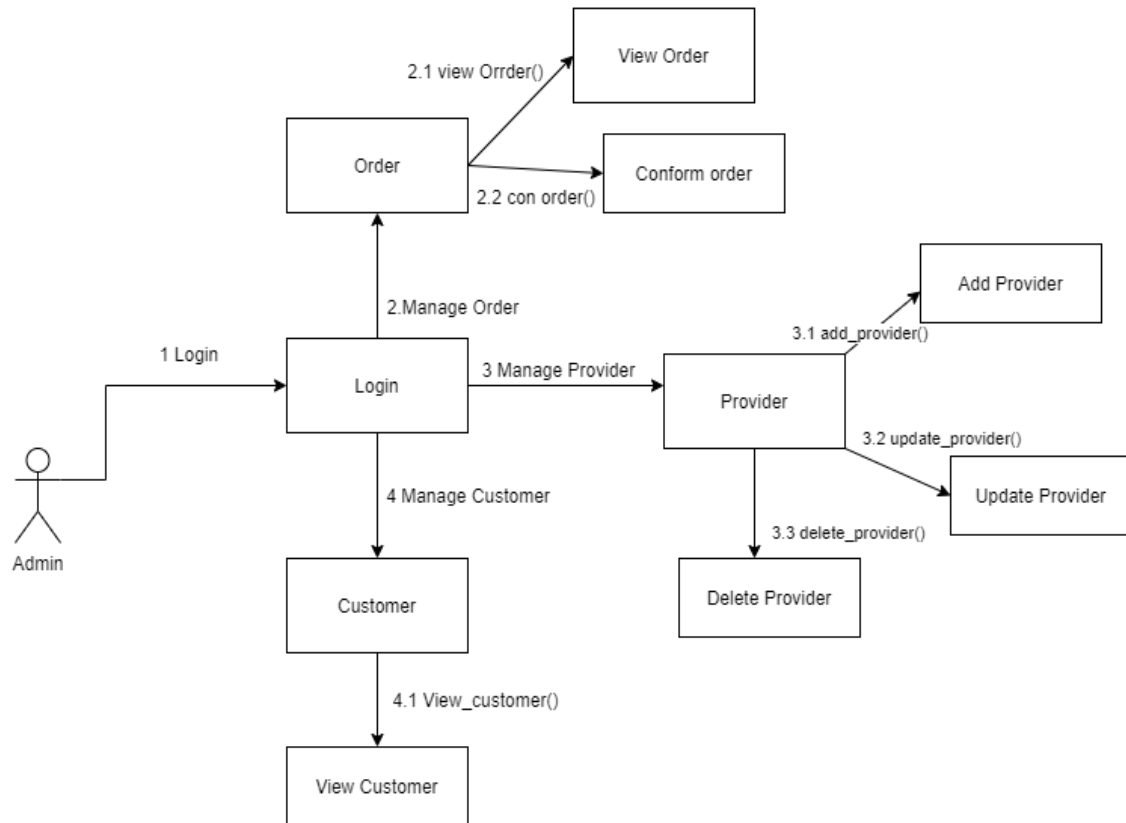


2. Customer

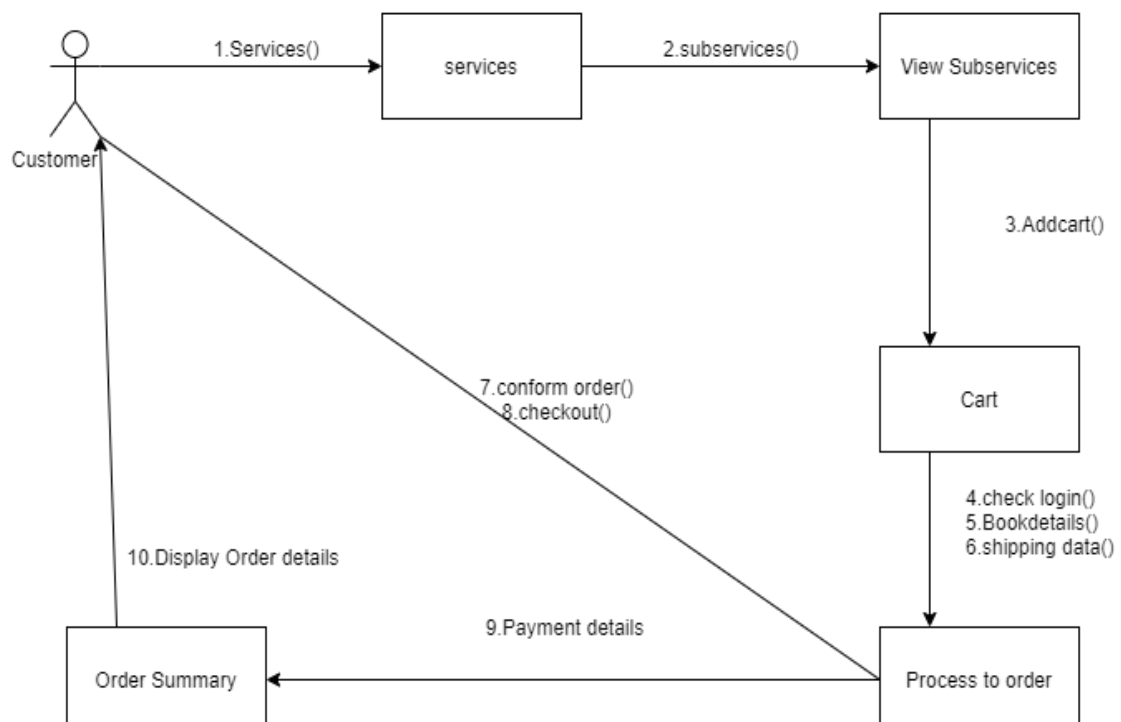


4.2.4 Collaboration Diagram

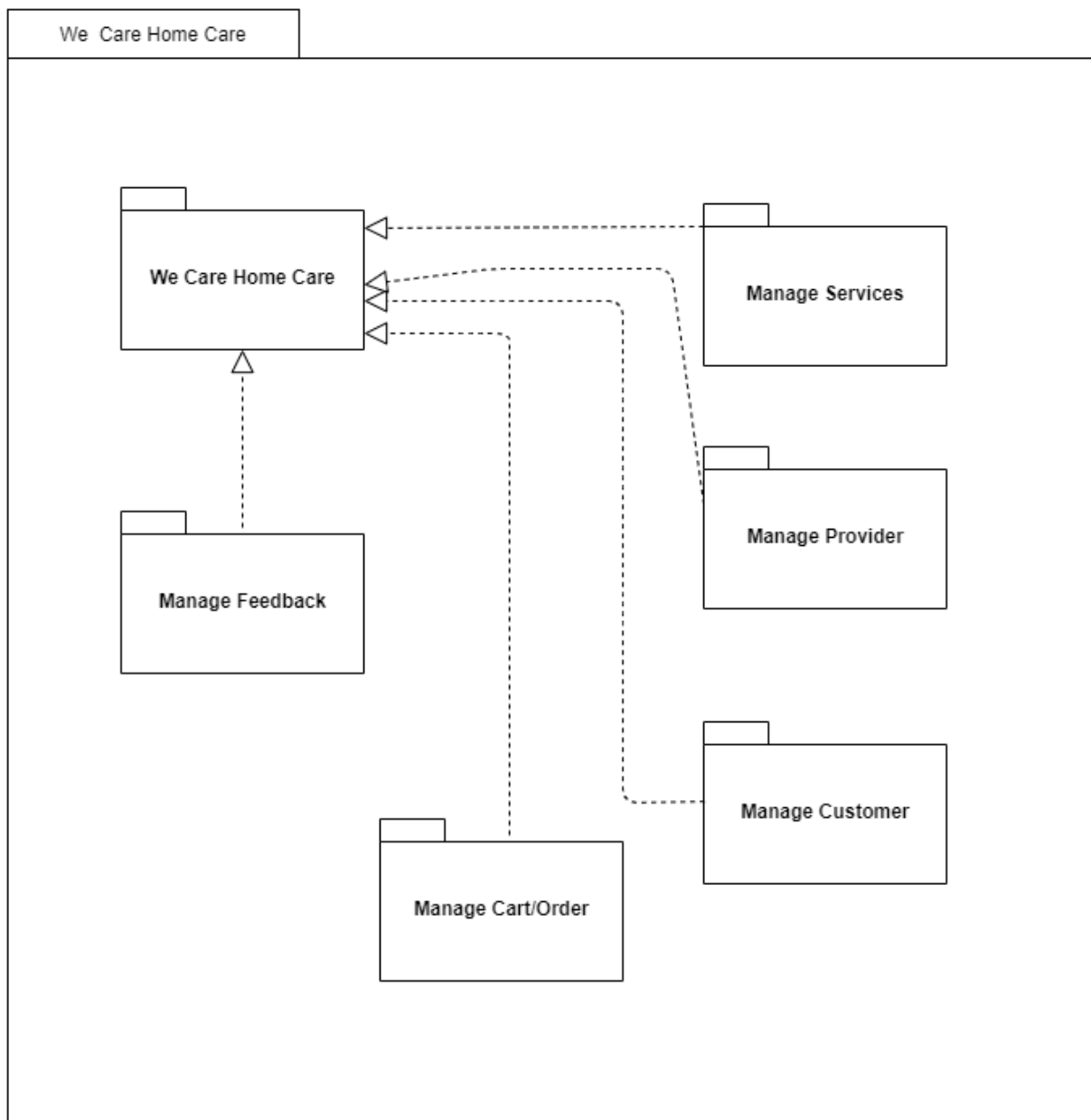
1. Admin



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

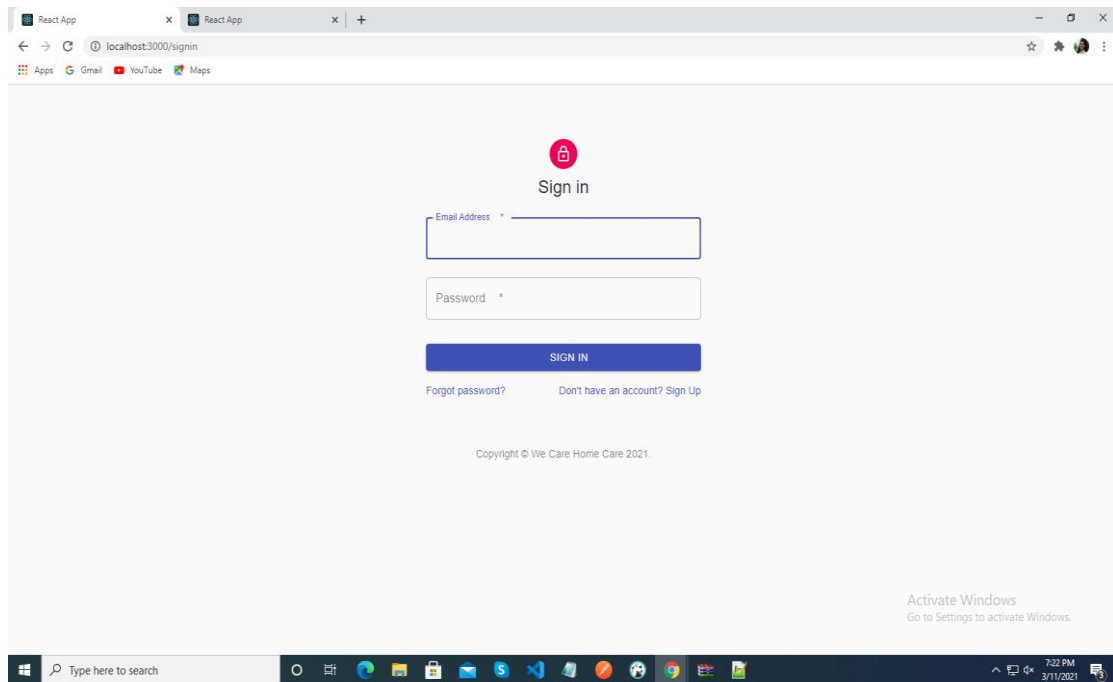
7. Feedback

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

5. Implementation

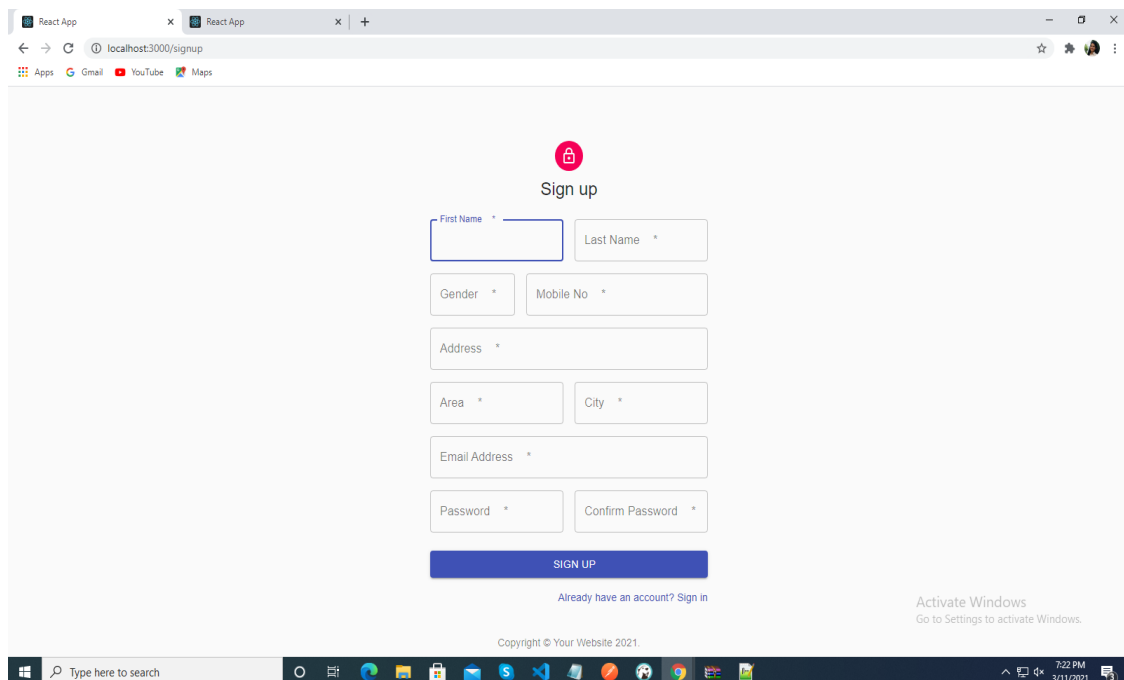
5.1 Layout

5.1.1 Login



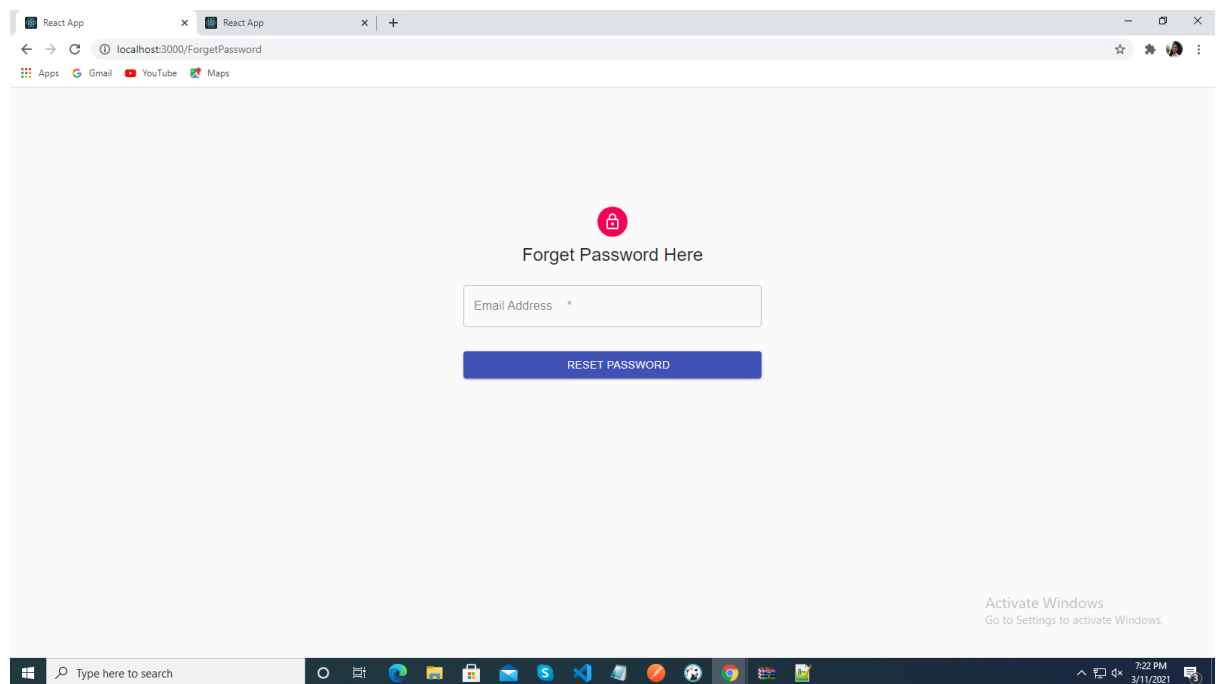
A screenshot of a web browser displaying a "Sign in" page. The browser's address bar shows "localhost:3000/signin". The page features a red lock icon at the top, followed by the text "Sign in". Below this are two input fields: "Email Address" and "Password", both marked with an asterisk. A blue "SIGN IN" button is positioned below the password field. At the bottom of the form area, there are two links: "Forgot password?" and "Don't have an account? Sign Up". The footer of the page includes the text "Copyright © We Care Home Care 2021." and a Windows activation notice in the bottom right corner. The Windows taskbar is visible at the very bottom of the image.

5.1.2 Registration

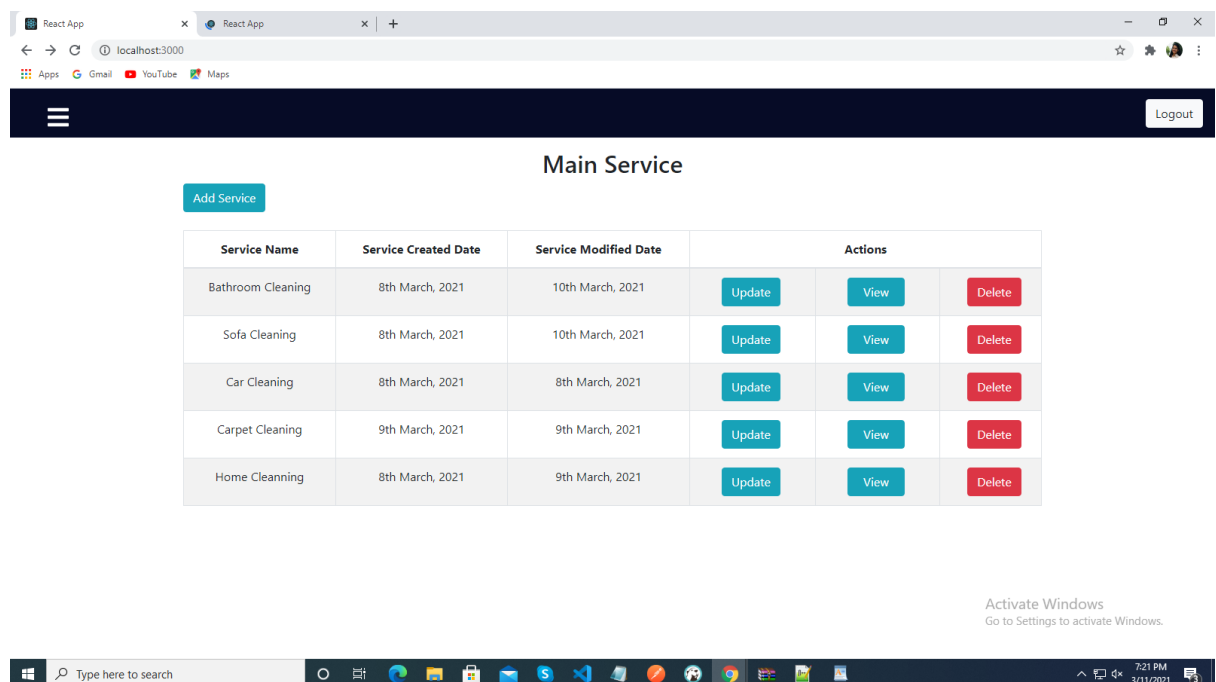


A screenshot of a web browser displaying a "Sign up" page. The browser's address bar shows "localhost:3000/signup". The page features a red lock icon at the top, followed by the text "Sign up". Below this are several input fields: "First Name" and "Last Name" (both marked with an asterisk), "Gender" (marked with an asterisk), "Mobile No" (marked with an asterisk), "Address" (marked with an asterisk), "Area" (marked with an asterisk), "City" (marked with an asterisk), "Email Address" (marked with an asterisk), "Password" (marked with an asterisk), and "Confirm Password" (marked with an asterisk). A blue "SIGN UP" button is positioned below the password fields. At the bottom of the form area, there is a link: "Already have an account? Sign in". The footer of the page includes the text "Copyright © Your Website 2021." and a Windows activation notice in the bottom right corner. The Windows taskbar is visible at the very bottom of the image.

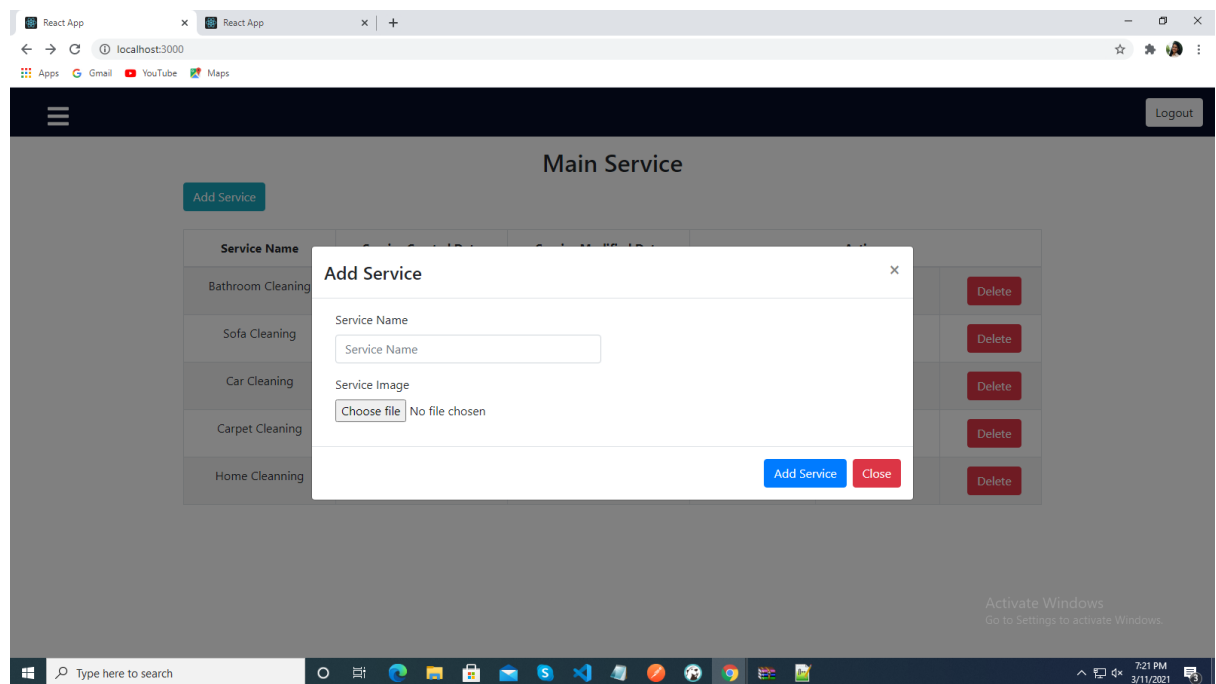
5.1.3 Forget Password



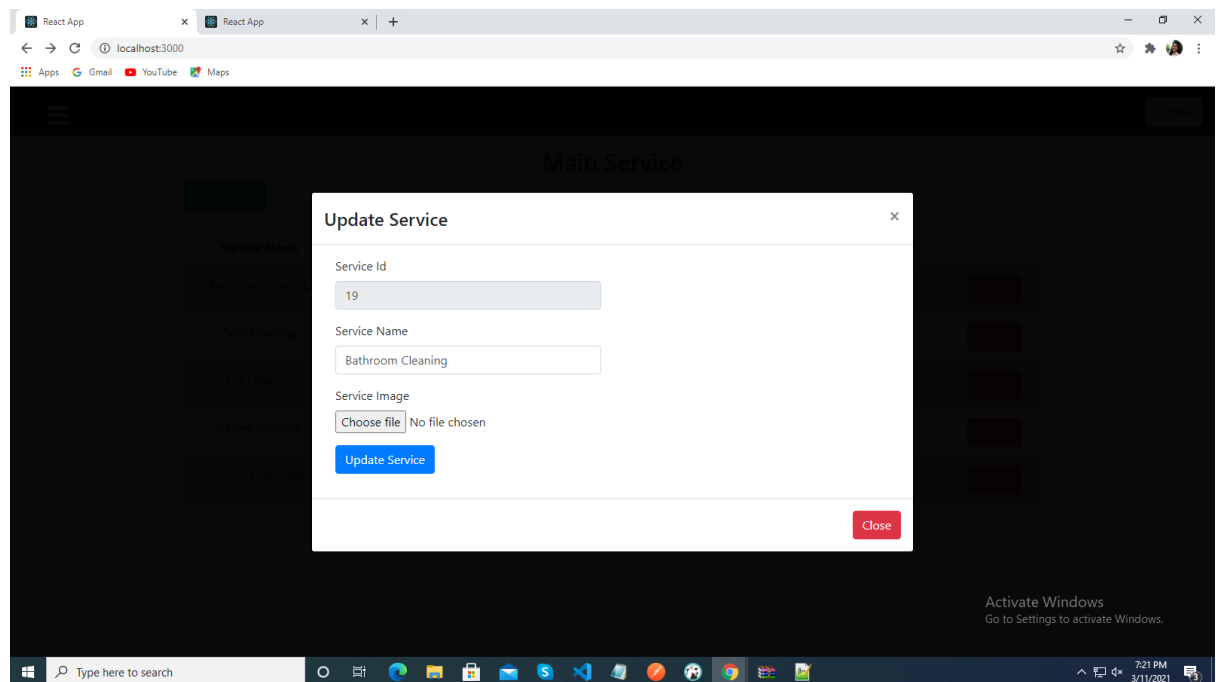
5.1.4 Admin Dashboard



5.1.5 Add Service



5.1.6 Update service



5.1.7 View Subservices

SubServices

Add Subservice

Subservice Image	Service Name	Subservice Name	Provider Name	Subservice price	Subservice duration	Action
	Bathroom Cleaning	2 Bathroom + 2 Fan	vrunda	899	1 Hour	Update Delete
	Bathroom Cleaning	3 Bathrooms + 3 Fan	vrunda	1199	3 Hour	Update Delete

Activate Windows
Go to Settings to activate Windows.

5.1.8 View Customer

Customer List (2)

Customer Name	Mobile No	Email	City
Vidhi Kapadia	9427856042	vidhi@gmail.com	Ahemdabad
vrunda savalliya	8758394357	vrunda.2511.vs@gmail.com	surat

Activate Windows
Go to Settings to activate Windows.

5.1.9 View Feedback

Feedback (3)

Service Name	Subservice Name	Provider Name	Customer Name	Review	Action
Sofa Cleaning	3 Sofa Seats	vrunda savalliya	Vidhi Kapadia	Cleaned everything perfectly and remove all stains.Highly recommend to take this service.	Delete
Home Cleaning	Full Kitchen	vrunda savalliya	vrunda savalliya	My Kitchen is now Shining like Newly renovated.	Delete
Car Cleaning	Full Interior Clean-up	vrunda savalliya	vrunda savalliya	Never use this service.Just a waste of Money.	Delete

Activate Windows
Go to Settings to activate Windows.

5.1.10 View Provider

List of Provider (2)

Add Provider

Profile	Provider Name	Gender	Email	MobileNo	Address	Area	Actions
	vrunda savaliyaaa	female	vrunda@gmail.com	6596969595	5,shantinagar	jakatnaka	Update Delete
	vrunda savalliya	female	vrunda.2511@gmail.com	8758394357	shantinagar	jakatnaka	Update Delete

Activate Windows
Go to Settings to activate Windows.

5.1.11 View Order

Order List (5)

Customer Name	Service	Address	area	Provider Name	Provider Contact	Order Date	Action
Vidhi Kapadia	3 Sofa Seats	Prakash Society,Near Sanjivani Hospital,Sunrise Park Road,Ahmedabad	Bodakdev	vrunda savalliya	8758394357	8th March, 2021	Confirm Reject
vrunda savalliya	3 Sofa Seats	5,sunrise park	bodakdev	vrunda savalliya	8758394357	11th March, 2021	Confirm Reject
vrunda savalliya	3 Sofa Seats	shantinagar	jakatnaka	vrunda savalliya	8758394357	11th March, 2021	Confirm Reject
vrunda savalliya	5 Sofa Seats	shantinagar	jakatnaka	vrunda savalliya	8758394357	11th March, 2021	Confirm Reject
vrunda savalliya	Full Kitchen	shantinagar	jakatnaka	vrunda savalliya	8758394357	9th March, 2021	Confirm Reject

Activate Windows
Go to Settings to activate Windows.

5.1.12 Customer Dashboard

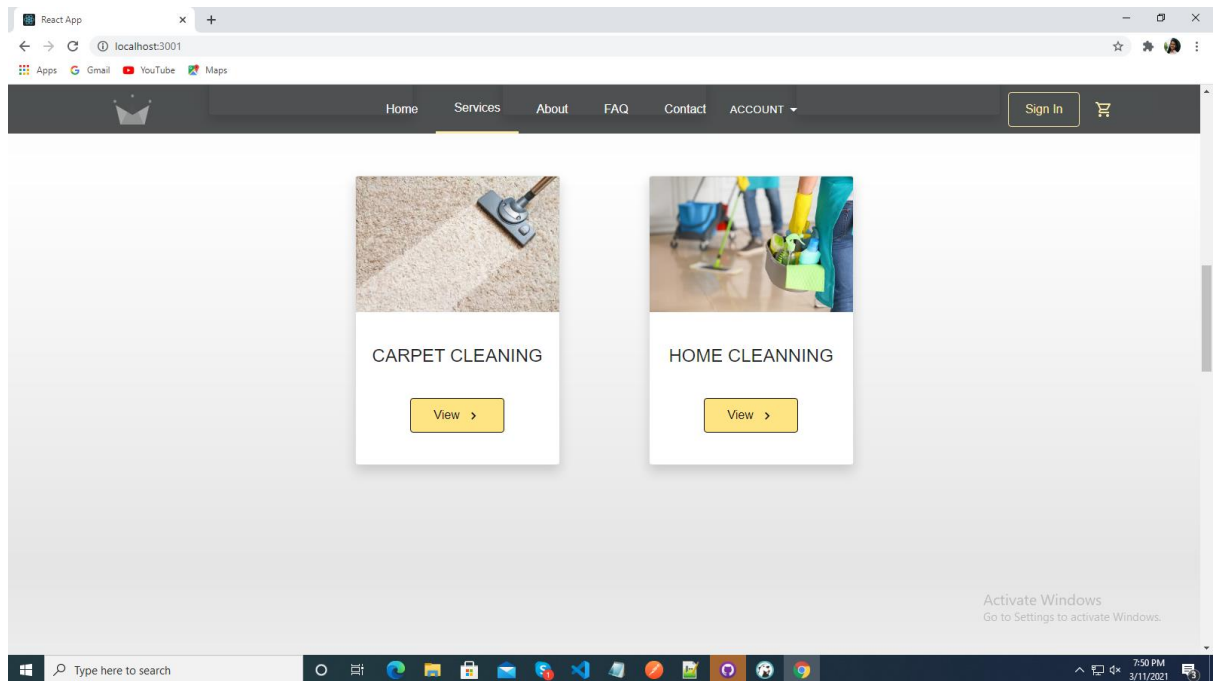
Home Services On Demand

Customer Safety Is Our Priority

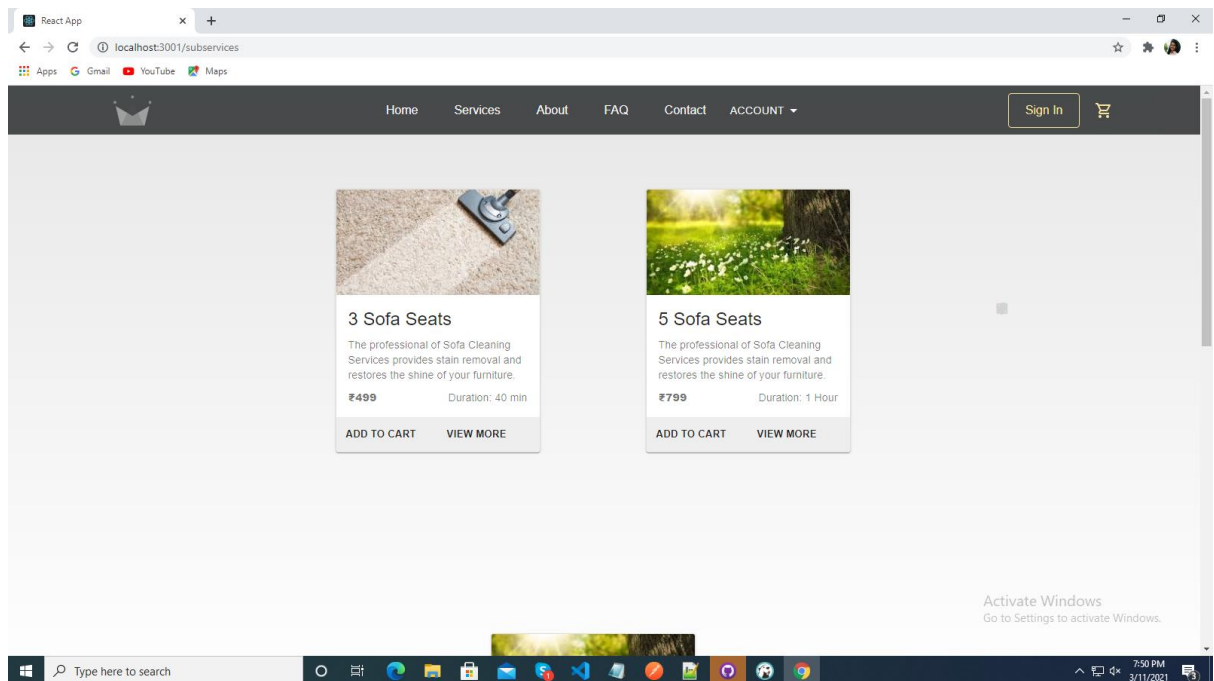
Get Started >

Activate Windows
Go to Settings to activate Windows.

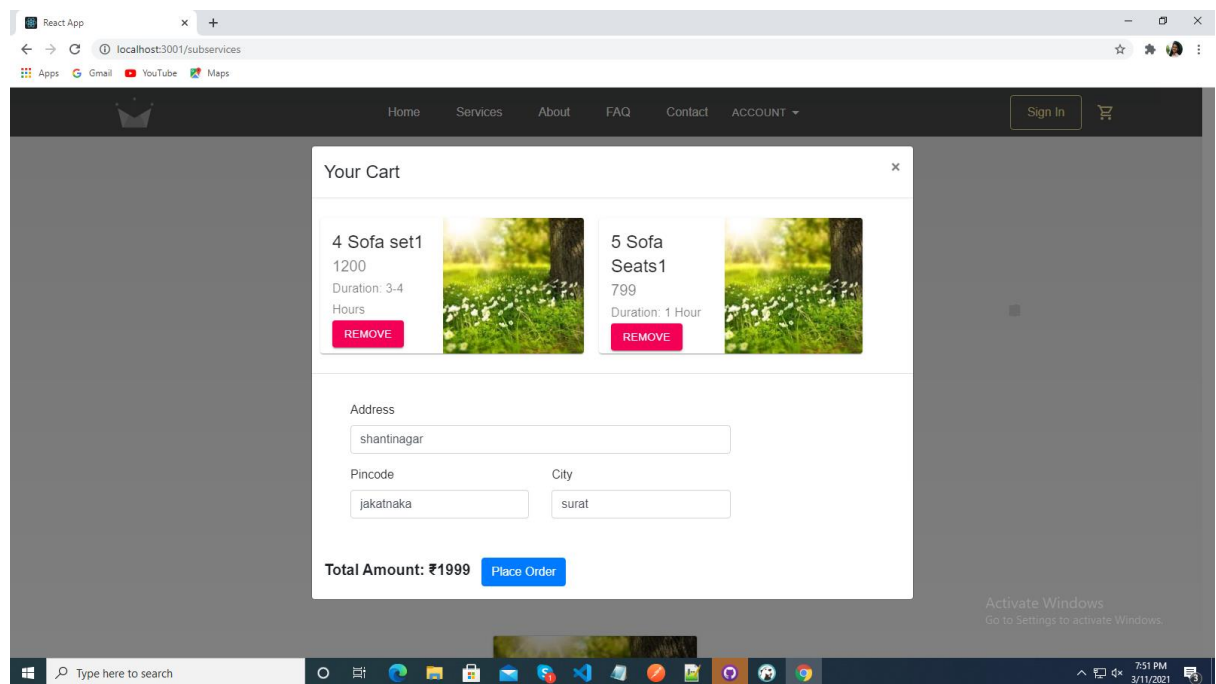
5.1.13 View Services on customer dashboard



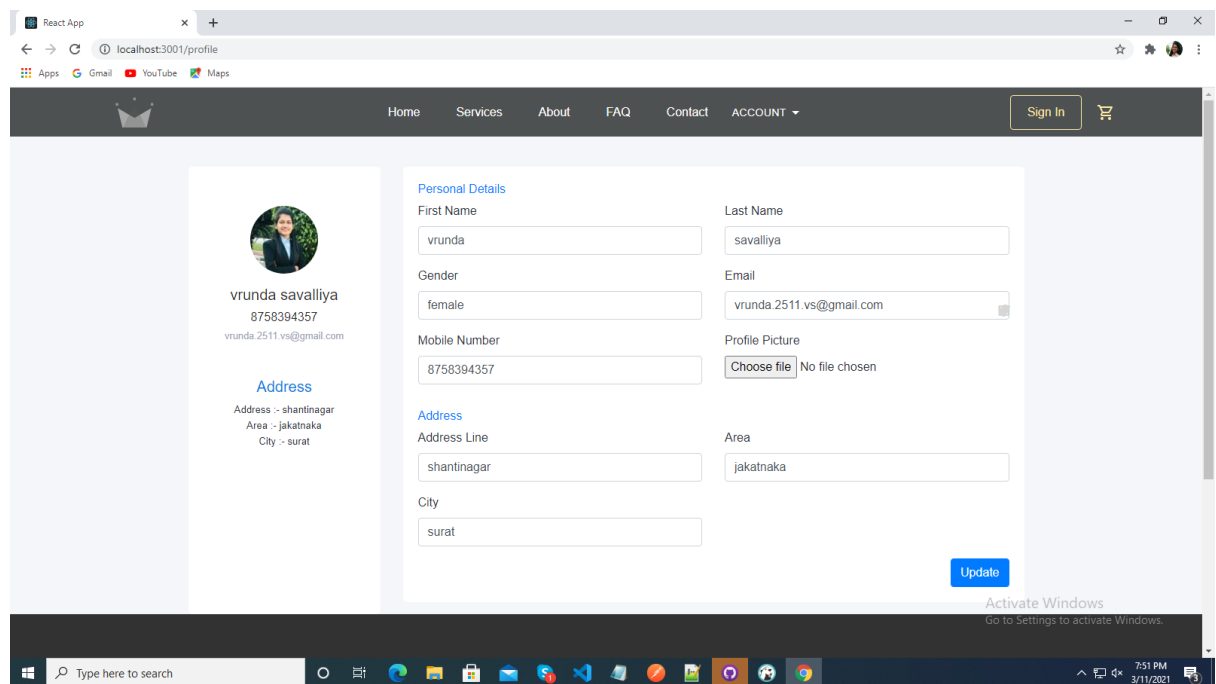
5.1.14 view subservices Customer Dashboard



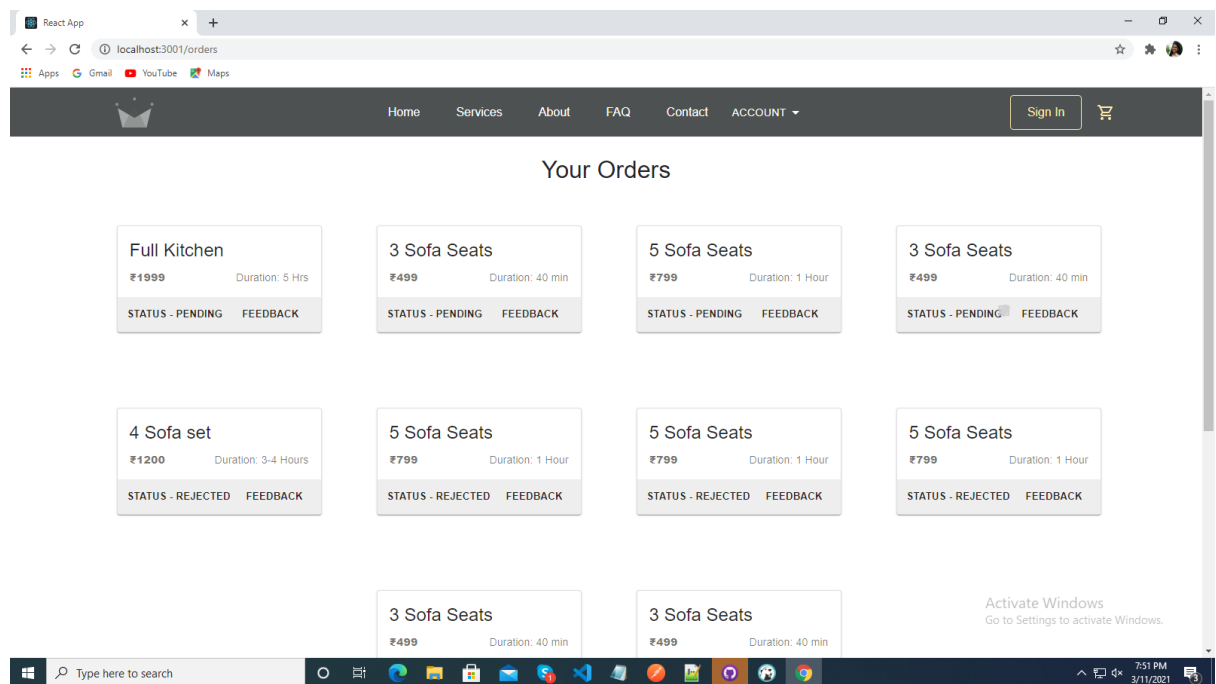
5.1.15 Customer View cart



5.1.16 Customer ViewProfile



5.1.17 Customer Order History



5.2 Code Convention

5.2.1 Login

```

(async()=>{
  const login=await client.query(`select email,customer_id,firstname,lastname,role from
  customer where email=$1 and password=$2',[email,password],[error,logincreadancial]=>{
    if(error){
      res.status(401).json(error);
    }
    if(logincreadancial.rowCount<=0){
      res.status(401).json({
        status:'Fail',
        msg:'Password incorrect please try again'
      })
    }else{
      // res.status(200).json({
      //   status:'Successfull',
      //   msg:logincreadancial.rows
      // })
      //create token
      console.log("login")
      const token=jwt.sign({_id:logincreadancial.rows[0]['customer_id']},'vrundasavaliya")
      //put token in cookie
      res.cookie('token',token,{expire:new Date()+9999})
      //send response to frontend
      res.status(200).json({
        status:"Success",
        data:logincreadancial.rows,
        token:token
      })
    }
  }
})

```

5.2.2 Registration

```

exports.Signup=function(req,res){
  (async()=>{
    const getuserdata=req.body;
    const adduser=await client.query('insert into customer(firstname,lastname,gender,mobile_no,email,password,
    address,image,area,city) values($1,$2,$3,$4,$5,$6,$7,$8,$9,$10)',[getuserdata.firstname,getuserdata.lastname,
    getuserdata.gender,getuserdata.mobile_no,getuserdata.email,getuserdata.password,getuserdata.address,
    getuserdata.image,getuserdata.area,getuserdata.city]),(error)=>{
      if(error)
      {
        res.status(401).json(error);
      }
      res.status(200).json({
        status:"Success",
        msg:"User added Successfully"
      })
    })
  })();
}

exports.SignIn=function(req,res){
  (async()=>{
    const {email,password}=req.body;
    const checkemail=await client.query('select email,customer_id from customer where email=$1',[email]),(error,re
    if(error){
      res.status(401).json(error);
    }
  })
}

```

5.2.3 Send Mail

```

exports.Otpsend=function(req,res){
  (async()=>{
    const emailval=req.body;
    const verifymail=await client.query("select customer_id from customer where email = $1",[emailval.email],
    [(error,response)]=>{
      if(error){
        res.status(401).json(error);
      }
      else
      {
        if(response.rowCount==1){
          var otp = Math.floor(1000 + Math.random() * 9000);
          console.log(otp);
          sgMail.setApiKey("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")
          const msg = {
            to: emailval.email, // Change to your recipient
            from: 'wecarehomecare.2511@gmail.com', // Change to your verified sender
            subject: 'WeCareHomecare Password Reset Code ',
            text: 'Your Password Reset Otp is ',
            html: '<strong>Your Password Reset Otp is '+otp+'</strong>',
          }
          sgMail
            .send(msg)
            .then(() => {
              res.status(200).json({
                status:"Success"
              })
              console.log('Email sent')
            })
        }
      }
    })
  })
}

```

5.2.3 Add Service

```

client.connect();
exports.getAllCategory=function(req,res){
  (async()=>{
    const getallservices=await client.query('select * from Services');
    // console.log(result.rows);
    // console.log(result.rowCount);
    res.status(200).json(getallservices.rows);
  })();
}
exports.getCategoryByName=function(req,res){
  (async()=>{
    const catname=req.params.catname;
    const getserviceid=await client.query('select service_id from Services where service_name=$1',[catname]);
    // console.log(result.rows);
    // console.log(result.rowCount);
    // res.json(result.rows[0]['service_id']);
    const id=parseInt(getserviceid.rows[0]['service_id']);

    const getSubService=await client.query('select subservice_id,service_name,sub_servicename,firstname a
    res.json(getSubService.rows);
  })();
}

exports.getAllSubCategory=function(req,res){
  (async()=>{
    const catname=req.params.catname;
    const getserviceid=await client.query('select * from SubServices',(error,response)=>{
      if(error){
        res.status(401).json(error);
      }
    });
  })();
}

```

5.2.4 Add to cart

```

const client=require("../Connection/connection");
exports.AddToCart=function(req,res){
  (async()=>{
    const cartdata=req.body;
    const addtocart=await client.query("insert into cart(subservice_id,customer_id) values($1,$2)",[cartdata.subs
      if(error){
        res.status(401).json(error);
      }
      res.status(200).json({
        status:'Success',
        msg:"Service Added into cart"
      })
    })
  })();
}

exports.RemoveFromCart=function(req,res){
  (async()=>{
    const cart_id=req.params.id;
    const removefromcart=await client.query("delete from cart where cart_id=$1",[cart_id],[error]=>{
      if(error){
        res.status(401).json(error);
      }
      res.status(200).json({
        status:'Success'
      })
    });
  })();
}

```

6. Testing

5.1 Test Strategy

- In our scenario, testing strategy is used to test the functionality of our system. We have to use to cover all scenario. Main focus is on Functional Testing. In Functional Testing test case are used to test the application interface.
- In our system, testing is going to be done at individual (Unit) module level. Each module will be undergone to Unit testing (One Module) and expected result is supposed to be same as actual result

5.2 Test Cases

1. Login

Test Case ID	TC001
Test Case Summary	This test case was conducted for checking login.
Related Requirement	RS001
Prerequisite	Customer must be registered in system.
Test Procedure	1. Enter email and password. 2. Check the email and password is correct or not. 3. Click on login button.
Test Data	Email:vrunda@gmail.com Password: *****
Expected Result	Customer enters into the system.
Actual Result	Customer can view the customer Dashboard.
Status	Pass
Remarks	This test case is for login into the system.
Created By	Vrunda savaliya
Date of Creation	10/03/2021
Executed By	Vrunda savaliya
Date of Execution	10/03/2021
Test Environment	Chrome Browser

2. Add new Service

Test Case ID	TC002
Test Case Summary	This test case was conducted for add new Service.
Related Requirement	RS002

Prerequisite	Admin must be logged-in in the system.
Test Procedure	1. Enter service Name, Select service File. 2. Click on add service button.
Test Data	Service Name : Home Cleaning Service File: home.png
Expected Result	Added service in system.
Actual Result	Service added successfully.
Status	Pass
Remarks	This test case for add new service.
Created By	Vrunda savaliya
Date of Creation	10/03/2021
Executed By	Vrunda savaliya
Date of Execution	10/03/2021
Test Environment	Google Chrome

3. Add new Sub Service

Test Case ID	TC003
Test Case Summary	This test case was conducted for add new Service.
Related Requirement	RS003
Prerequisite	Admin must be logged-in in the system.
Test Procedure	1. Enter subservice Name, Select subservice File, subservice price, subservice time duration, 2. Click on add subservice button.
Test Data	Service Name : Home Cleaning Service File: home.png Price:1600 Timeduration:2-3 hours
Expected Result	Added subservice in system.
Actual Result	Subservice added successfully.
Status	Pass
Remarks	This test case for add new subservice.
Created By	Vrunda savaliya
Date of Creation	10/03/2021
Executed By	Vrunda savaliya
Date of Execution	10/03/2021
Test Environment	Google Chrome

4. Add new Provider

Test Case ID	TC004
Test Case Summary	This test case was conducted for add Provider.
Related Requirement	RS004
Prerequisite	Admin must be logged-in in the system.
Test Procedure	<ol style="list-style-type: none"> 1. Enter Provider Name, mobile no, gender, address, 2. Click on add button.
Test Data	Providername: vrunda Mobileno:87678989 Gender: Female Address: shantinagar
Expected Result	Added Provider in system.
Actual Result	Provider added successfully.
Status	Pass
Remarks	This test case for add new provider.
Created By	Vrunda savaliya
Date of Creation	10/03/2021
Executed By	Vrunda savaliya
Date of Execution	10/03/2021
Test Environment	Google Chrome

5. Add new Customer

Test Case ID	TC005
Test Case Summary	This test case was conducted for add Customer.
Related Requirement	RS004
Prerequisite	Admin must be logged-in in the system.
Test Procedure	<ol style="list-style-type: none"> 1. Enter customer Name, mobile no, gender, address, 2. Click on add button.
Test Data	customername: urvi Mobileno:99896789 Gender: Female Address: shantinagar
Expected Result	Added Customer in system.
Actual Result	Customer added successfully.
Status	Pass

Remarks	This test case for add new customer.
Created By	Vrunda savaliya
Date of Creation	10/03/2021
Executed By	Vrunda savaliya
Date of Execution	10/03/2021
Test Environment	Google Chrome

7. Future Enhancement

- In future I will provide Provider dashboard on that they can manage their own services and order directly
- We will provide the Location services
- We will provide the android application of this website