Vehicle Cleaning: Car Wash Management System

BY

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering

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APPROVAL

This Project/internship titled **"Vehicle Cleaning: Car Wash Management System"**, submitted by Md. Tushar Ahammed, ID No: 183-15-12015 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on *24-01-2023*.

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ABSTRACT

"Our Car Wash Management System" is an Online web based System where users is using idle parking time while owners leave their cars to carry out other activities, such as shopping, working, entertaining, studying etc. It brings cleaning, painting, repairing service at users doorsteps and also saves your energy. Car Washing Management System Project is a web application. In-Car Washing Management System Project in PHP performed all the operations needed to clean the car successfully by using highly expert and experienced workers, also developed mimic of the whole system, works and checked the overall process step by step by visualization. I have Used PHP and MySQL database as a Programming Language, HTML, CSS, and Java Script to Design & Implement for this System.

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Chapter 1
Introduction

Online Car Wash Servicing System is a Web based System where user can easily to find out with nearby car wash servicing garage in Online. This project will be beneficial for those people who don't want to go to the garage. It is an easy and time saving System. This online system provides home delivery of car wash service for that users have to needs to register in this System. Then user needs to Login. By Login user decide which service he/she has needs.

1.1 Project Purpose

The goal of the system where user can easily get a service with nearby car wash servicing garage online in any time to save his/her time from going to garage.

1.2 Benefits

The simple concept behind the Car Wash service is using idle parking time while owners leave their cars to carry out other activities, such as shopping, working, entertaining, studying, etc. If anyone doesn't know about the nearest Car Wash Servicing Garage Then he use the online system. It brings Cleaning, Wash & Color, Changing Tire, Engine Repairing service at your doorsteps and also saves your energy.

1.3 Stakeholders

Stakeholders means a person or group of people who own a share in a business. The stakeholders of the project are users, service providers, admin who directly or indirectly benefitted by the system. Users can know about their details. Service provider can add/edit service in different categories. Normal user can request for specify service belongs to specific service. Service provider will get notification for specific request form specific user.

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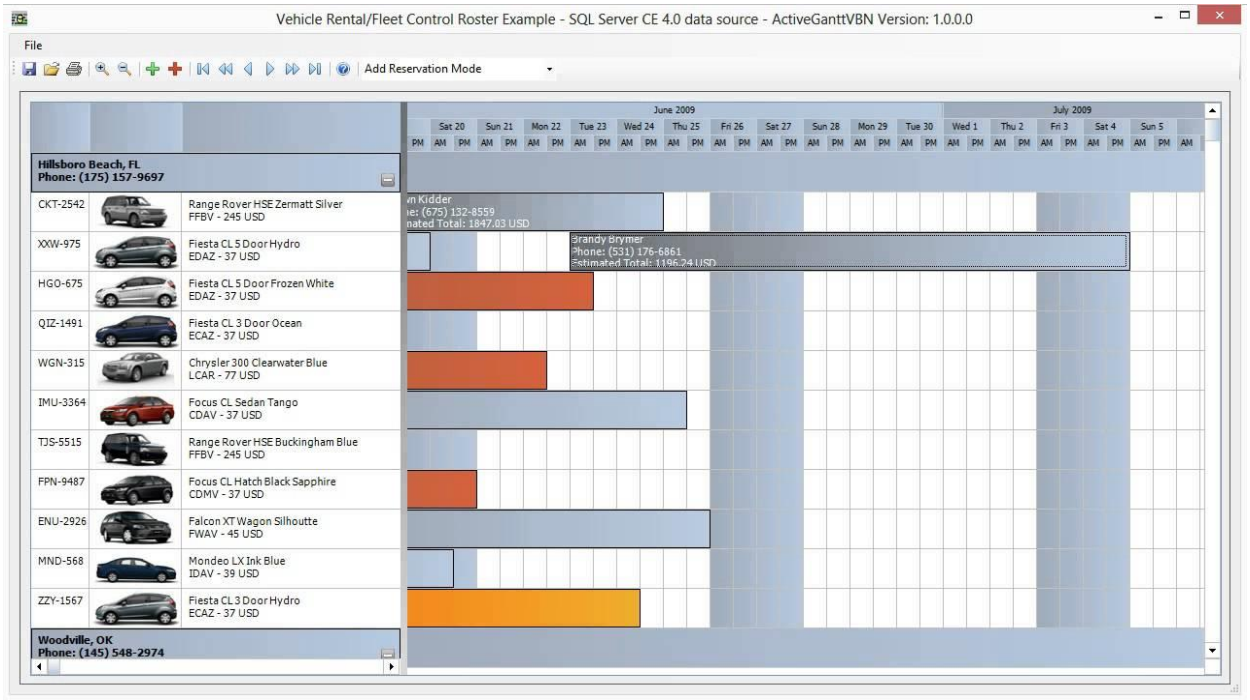
1.4 Project Schedule

Project Schedule is very important to complete the project. Here in the Gantt Chart I have showed how much time I have spent to ready all the topics about project plan and purpose, Requirement specification, System Analysis, Implementation, Testing, Documentation. The Gantt chart is given below:

1.4.1 Gantt Chart



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Chapter 2
Software Requirement Specification

2.1 Functional Requirements

Table 2. 1: Functional Requirements

SRS No	SRS Name	Description
01	Registration	User have to do registration with valid information like Name, , Email Address, Phone Number, Select User Type, Password, Confirm-password are inserted to register this System.
02	Login	Admin and User and Service Provider can login in this system by using Email Address and password.
03	Manage Profile	By Login to this System Admin and User and Service Provider can Manage his /her Profile changing Name, User Name, Email Phone Number.
04	Request For Service	User and Service Provider can request for service. User send request to Service Provider he/she needs car wash or repairing and Service Provider send request to admin if he wants to new service added.
05	Cancel Request	If User and Service Provider wants to cancel their request they can cancel it.
06	Manage User Category	Admin can view and edit User category, delete user.
07	Manage User	Admin can view service and request.
08	Manage Service	Admin can view, edit and delete service category.
09		Admin can add new Police station, edit and delete police station.

2.2 Non-Functional Requirements

Table 2. 2: Non-Functional Requirements

SRS No	SRS Name	Description

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01	Privacy	All of the Users information are saved Private and anyone can't view it.
02	Robustness	If user's device destroys, a backup of services is stored in database.
03	Performance	The System must be fast to Response.

2.3 Performance Requirements

2.3.1 Speed and latency Requirements

While browsing in this website, the system needs a good speed to perform.

Table 2. 3: Speed and latency Requirements

SRS No	Description
01	The performance of browsing System will be very fast. Though It also depends on users' internet connection.

2.3.2 Capacity Requirements

The System will store all inserting information.

Table 2. 4: Capacity Requirements

SRS No	Description
01	The system will capable to store all information of User & Admin in database.

2.3.3 Accuracy Requirement

Table 2. 5: Accuracy Requirements

SRS No	Description
01	All Storing Data will be saved accurately in database.

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2.4 Dependability Requirements

Table 2. 6:Reliability Requirements

SRS No	Description
01	The System is reliable & easy to use.

2.4 .2 Availability Requirements

The system must be available for using in 24hours.

2.4 .3 Safety Critical Requirements

There is no any specific Safety Critical Requirements in this system.

2.5 Maintainability & Supportability Requirements

2.5.1 Maintainability Requirements

The System will be maintained with a good way.

2.5.2 Scalability Requirements

The system must be Scalable.

2.5.3 Supportability Requirements

To understand system behavior technical support is needed as an operator.

To Protect the System security from hacker's breaching System operator must be understand what to do then.

2.6 Security Requirements

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2.6.1 Integrity Requirements

To protect all credentials of user from stolen, all passwords are saved by encrypted. It is not easy to decrypt the password easily.

2.6.2 Privacy Requirements

All of the Storage data will be protected in a secure way. The privacy of User, Service Provider and admin should be protected.

2.7 Usability and Human – Interaction Requirements

The system has is easy for user interaction because it has a clear interface to use.

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2.8 Look and Feel Requirements

2.8.1 Style Requirement

To style this system I will use CSS, Bootstrap.

2.9 Environmental & Operational Requirements

2.9.1 Environmental Requirements

As it is online project so user must have to internet connection to use this system.

2.9.2 Release Requirements

The System has no any specific Release Requirements in this System.

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Chapter 3
System Analysis

Car is looking cleaner, not just the exterior but the interior as well, it will help de-clutter your mind. It's surprising how a clean car can affect the way you feel about it. Additionally, car washes can protect your investment. A car wash helps protect the paint on your car by clearing away acid rain, dirt and road salt that can cause rust and corrosion to your car.

Additionally, if you are concerned about reducing your carbon footprint, washing your car manually actually uses more water than at a car wash. Think about it like this, you are running a hose, filling up a bucket with soap water and then spraying down your car to wipe off the soapy residue. The excess water just gets wasted. Car washes can recycle a portion of the water that is used in the washes (it has been cleaned and treated before reuse). The average at home car wash uses 150 gallons of water while an auto-car wash uses approximately 35 gallons of water.

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3.1 Use case Diagram

In Unified Modeling language (UML), a use case diagram is a dynamic or behavior diagram. It summarizes the details of systems users and their interactions with the system. The customer, service provider and admin can access this system.

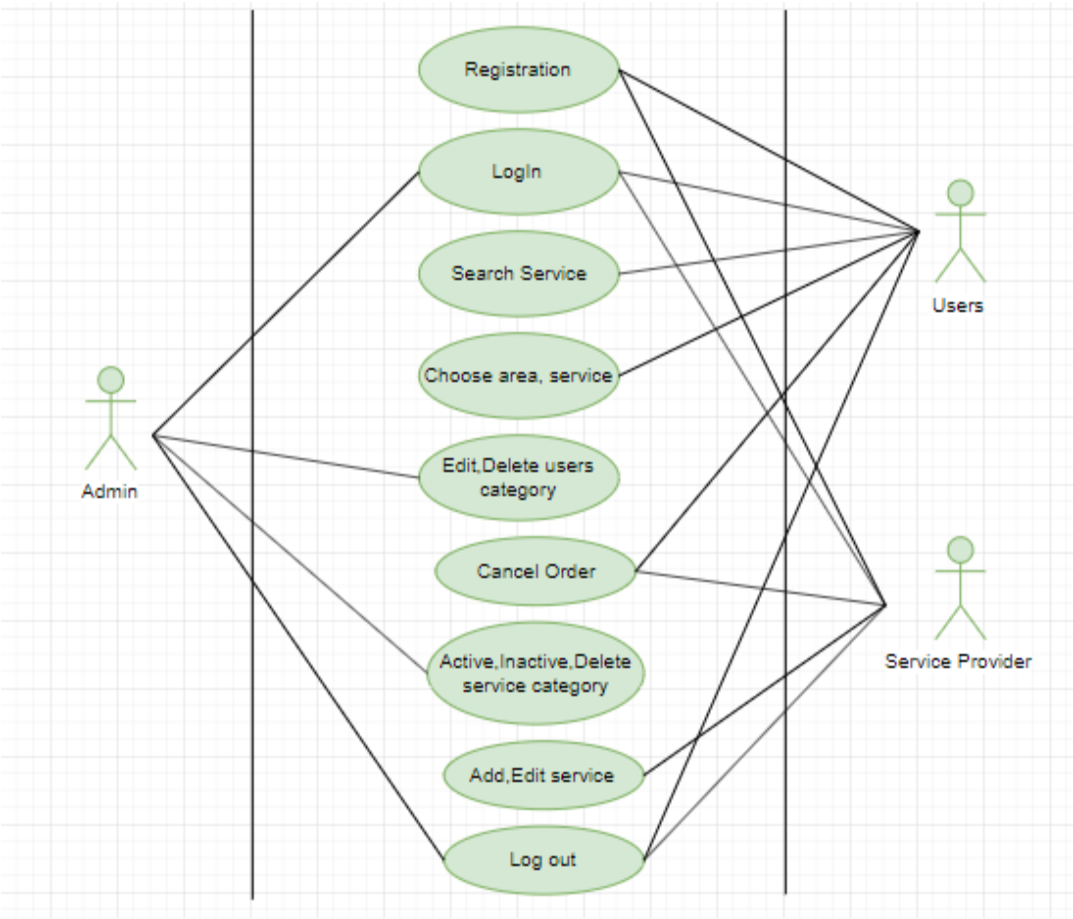

Figure 3. 1: Use case

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3.1.1 Use Case Description for Registration

Table 3. 1: Use Case Description for Registration

Use Case	Registration
Actor	User and Service Provider
Trigger	The User and Service Provider to access the Car Wash Service system.
Pre-Condition	• User device is switched on with internet connection.
Success End Condition	The User Successfully Registered with Valid Information.
Failure End Condition	The User can't be Registered with Valid Information.
Scenario	• The user opens the registration page. • Enter Name, Email Address, Phone, Choose Category, Password, Confirm Password to register this System. • After entering this information user press Register to registration this System.
Alternative Path	Automatically Browsing the Login page : • Browsing the system Car Services System will reach the user in login page though they are not logged in yet.

3.1.2 Use Case Description for Login

Table 3. 2: Use Case Description for Login

Use Case	Login
Actor	User, Service Provider, Admin.
Trigger	The User, Service Provider, Admin.to access the Car Wash Service System.
Success End Condition	The User, Service Provider or Admin Successfully Logged in with Valid Information.
Failure End Condition	The User, Service Provider or Admin can't be Logged in with Valid Information.

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Pre-Condition	User and Service Provider must be registered with valid Information and the admin must be authenticated.
Scenario	• The user opens the Login page. • Enter Email Address, Password and click Login. • Then user Logged in user home page.
Alternative Path	Automatically Browsing the Login page : • Browsing the system Car Wash Service System will reach the User/Service Provider/Admin in login page though they are not logged in yet.

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3.1.3 Use Case Description for Request and Cancel Order

Table 3. 3: Use Case Description for Request and Cancel Order

Use Case	Request and Cancel Order
Actor	User and Service Provider
Trigger	User and Service Provider wants to access the Car Wash Service System.
Success End Condition	If User and Service Provider wants to request order they can do it and if they wants to cancel request they can cancel their request.
Failure End Condition	
Pre-Condition	User must be Logged in with valid Information in user home page.
Scenario	• The user opens the Service and wash your car page. • Choose the service and the button the request service and confirm request. • After entering this information user click Create Report to Report an FIR to this System.
Alternative Path	Automatically Browsing the Login page : • Browsing the system Online Crime Reporting System will reach the user in login page though they are not logged in yet.

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3.2 Entity Relationship Diagram (ERD)

An entity relationships diagrams (ERD) illustrates the relationship among the entities of a system. An entity is a component of data. ER diagrams define the logical structure of databases. ERD shows the relationships of entity sets stored in stored.

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3.3 Sequence Diagram

Sequence diagram is an interaction diagram that shows how objects operate with one another and what order. It is a construct of a massage sequence chart. A sequence diagram shows object interactions arranged in sequence

3.3.1 Users and Service Provider Login Sequence Diagram

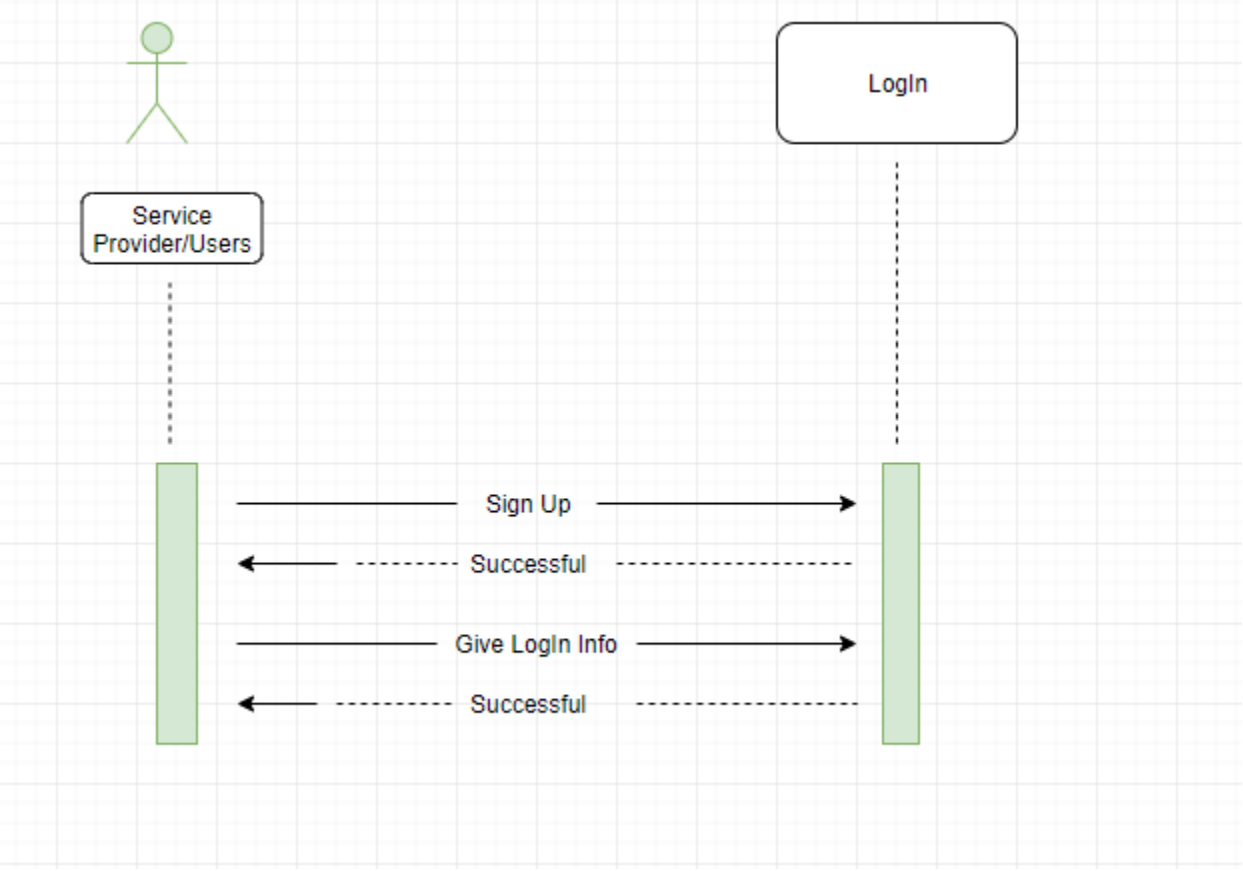

Figure 3. 3: Users and Service Provider Login Sequence Diagram

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3.3.2 Admin Login Sequence Diagram

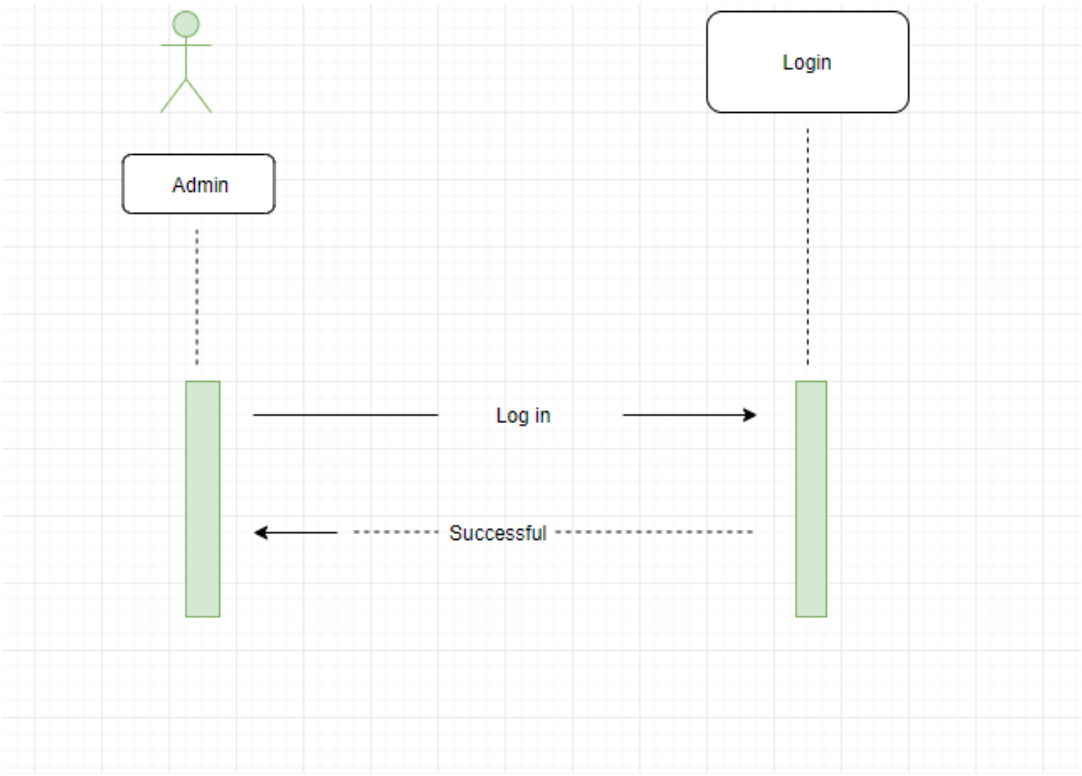

Figure 3. 4: Admin Login Sequence Diagram

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3.3.3 Search Service Sequence Diagram

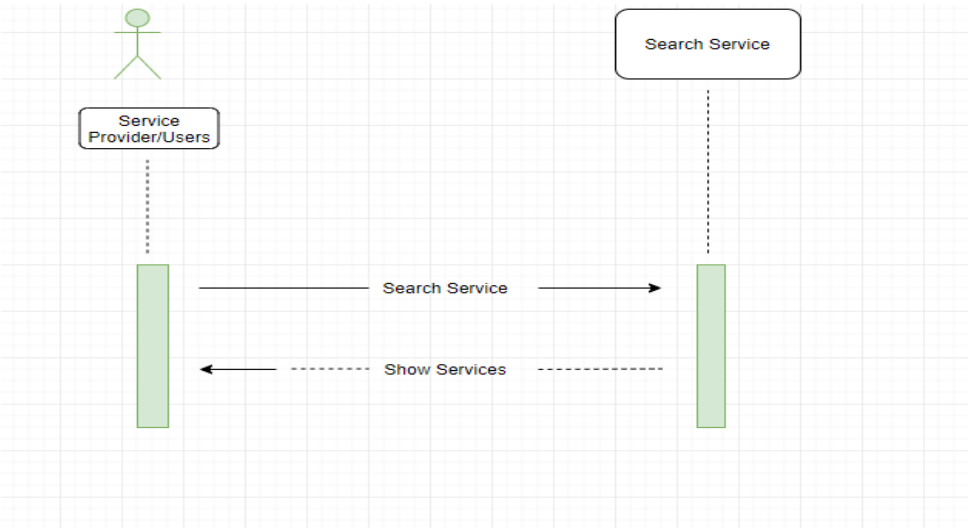

Figure 3. 5: Search Service Sequence Diagram

3.3.4 Choose Area Sequence Diagram

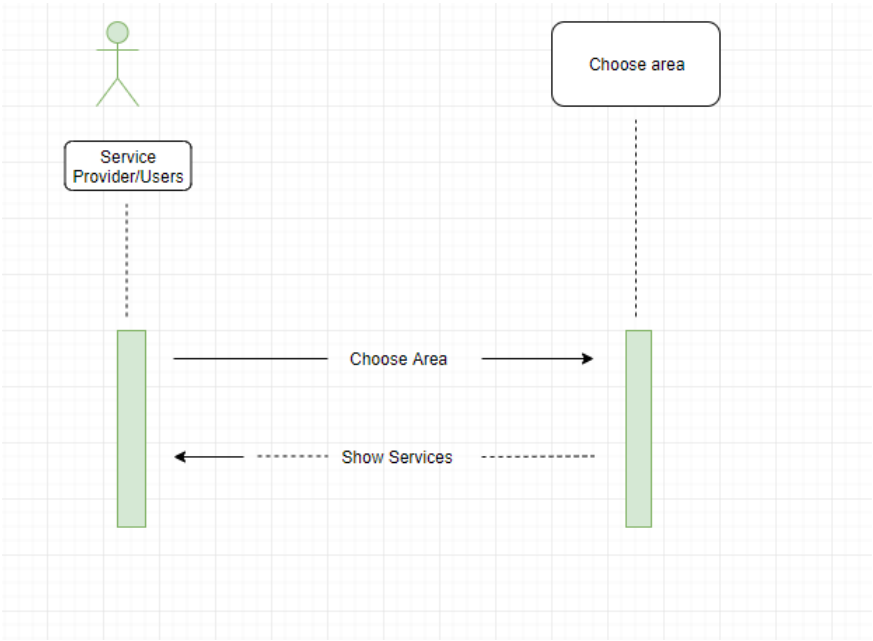

Figure 3. 6: Choose Area Sequence Diagram

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3.3.5 Users request and cancel order Sequence Diagram

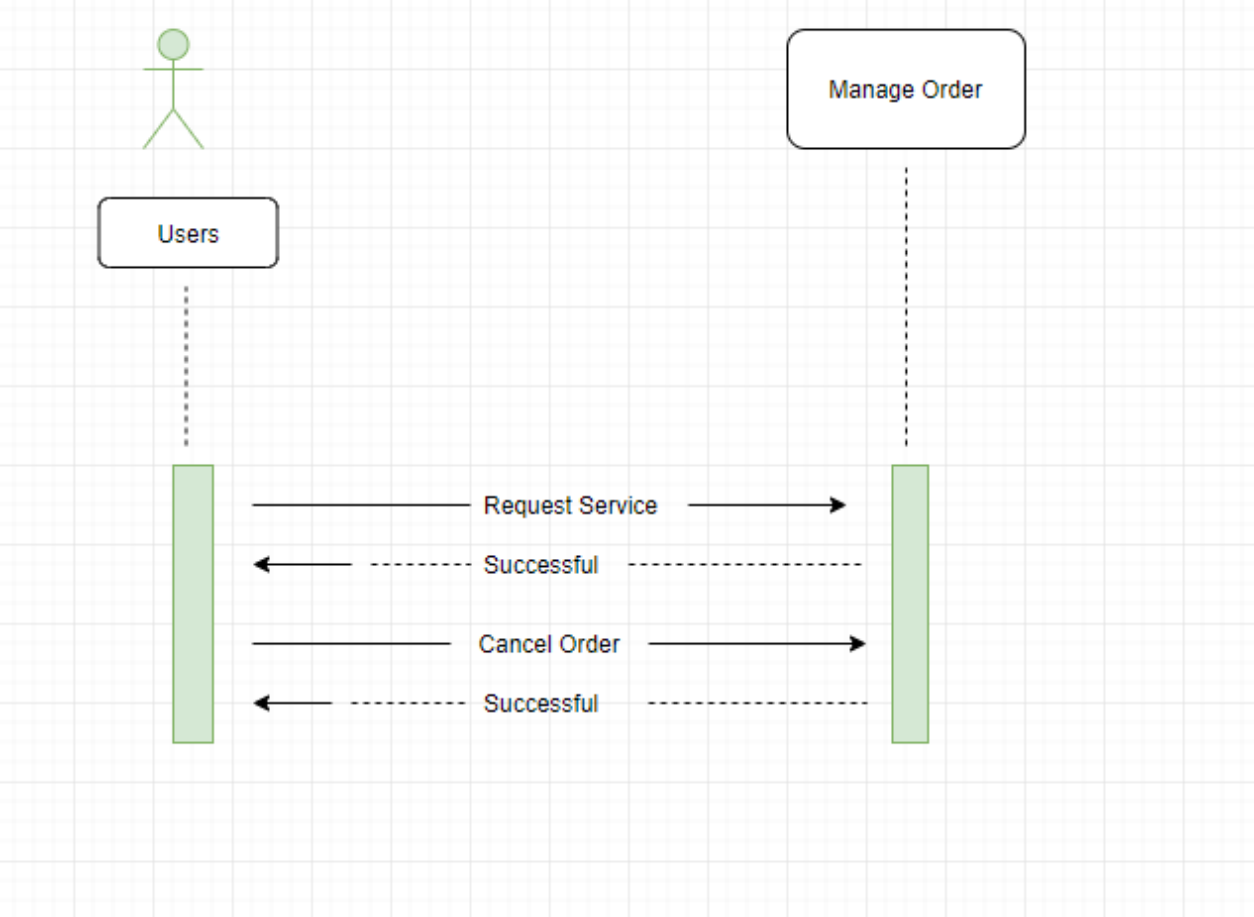

Figure 3. 7: Users request and cancel order Sequence Diagram

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3.3.6 Service Provider cancel order Sequence diagram

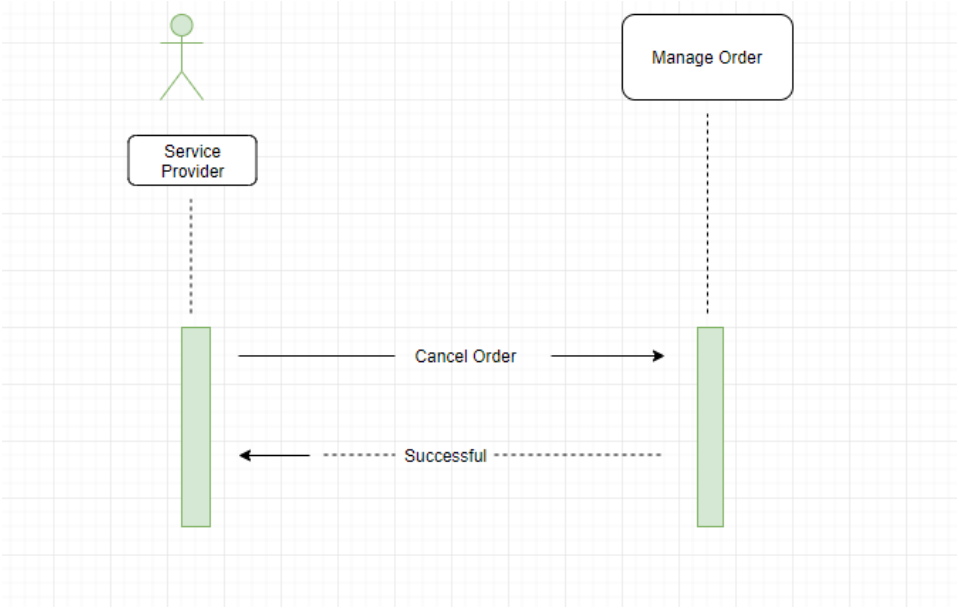

Figure 3. 8: Service Provider cancel order Sequence diagram

3.3.7 Service Provider and users contact with admin Sequence diagram

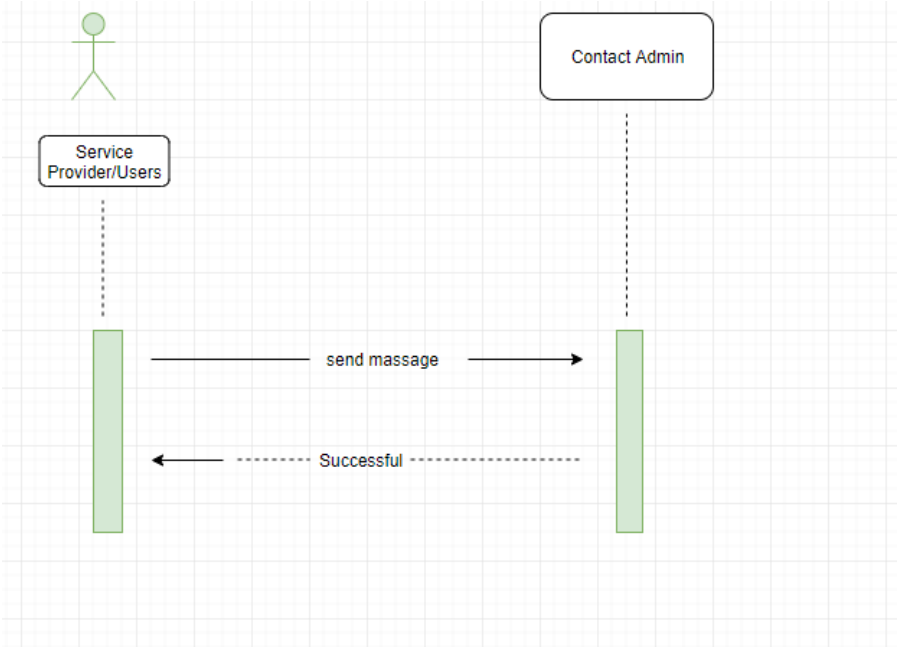

Figure 3. 9: Service Provider and users contact with admin Sequence diagram

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Chapter 4

Technology

Car Washing Management System Project

Project Name	Car Washing Management System
Language Used	PHP5.6, PHP7.x
Database	MySQL 5.x
User Interface Design	HTML, AJAX,JQUERY,JAVASCRIPT
Web Browser	Mozilla, Google Chrome, IE8, OPERA
Software	XAMPP / Wamp / Mamp/ Lamp (anyone)

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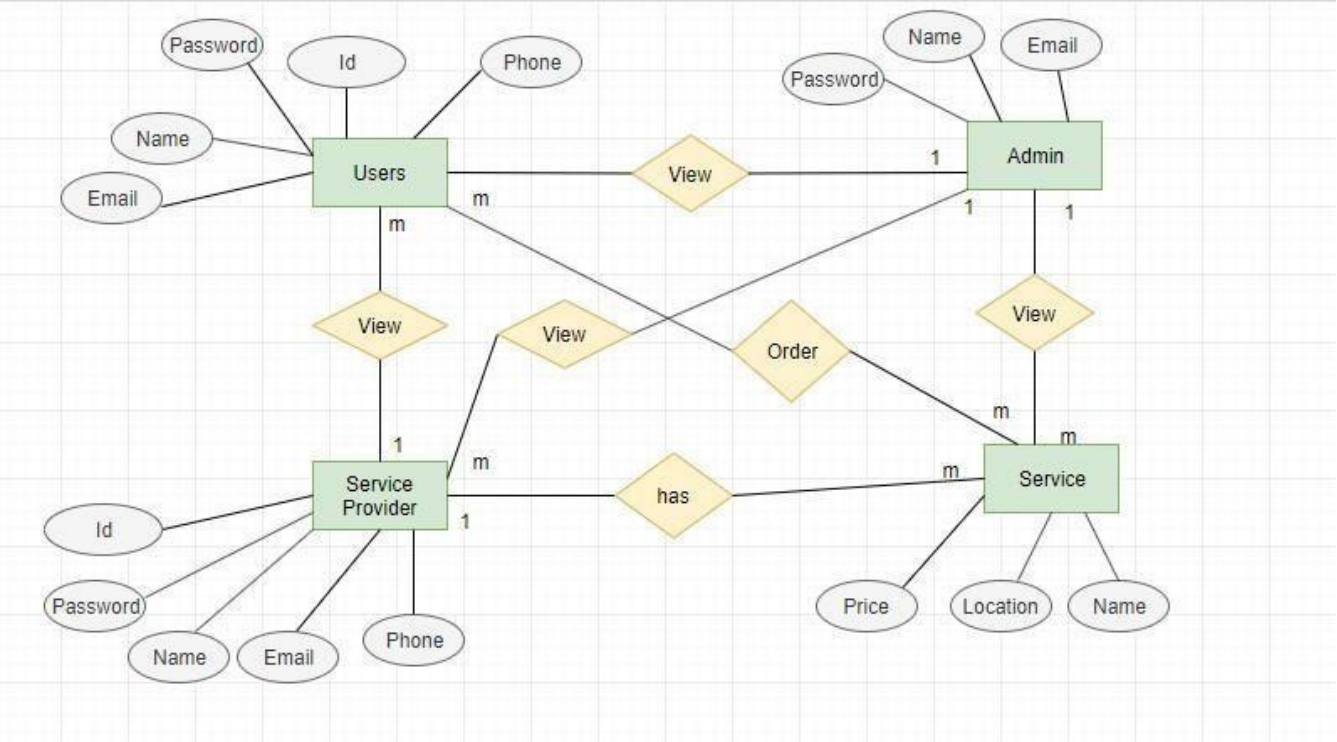

4.4 Technology

Here I have used PHP7 & Java Script as a Programming language.

4.4.1 CSS Framework

- Bootstrap
- HTML, CSS, J query

4.4.2 PhpMyAdmin

Here I have used PhpMyAdmin as a database server. PhpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. It supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc.) can be performed via the user interface, while you still have the ability to directly execute any SQL

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Chapter 5
User Manual

Car Washing Management System Project is a web application.

In-Car Washing Management System Project in PHP performed all the operations needed to clean the car successfully by using highly expert and experienced workers, also developed mimic of the whole system, works and checked the overall process step by step by visualization.

. In this project, we use PHP and MySQL database. It has two modules i.e. Admin and user.

Car Washing Management System Project Modules

1. Admin
2. Users

Admin

1. **Dashboard:** In this section, admin can see two wheeler and four wheeler vehicle detail in brief.
2. **Washing Points:** In this section, admin can manage washing location (Add/Update).
3. **Add Car Washing Booking:** In this section, admin add car washing booking on his/her end.
4. **Car Washing Booking:** In this section, admin can view booking details of car washing which is booked by users.
5. **Manage Enquiries:** In this section, admin can read the enquiries of users.
6. **Pages:** In this section, the admin can manage about us and contact us pages.

Admin can also change the password of his/her account.

Users

1. **Home Page:** Users can see the listed vehicles on the home page.
2. **About Us:** Users can view about us page.
3. **Washing plans**: User can view car washing plans and book that plans.
4. **Washing points**: User can view car washing location.
5. **Contact us:** Users can view the contact us page.

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Home Page

Home Page by using web technologies such as HTML, CSS, Web develop the applications, which are running on the web server. Front end development is crucial & extremely important to make a better communication with the users. After starting to browse the application with the users. After start to browse the application, the users first see the home page where user can easily access to all components.

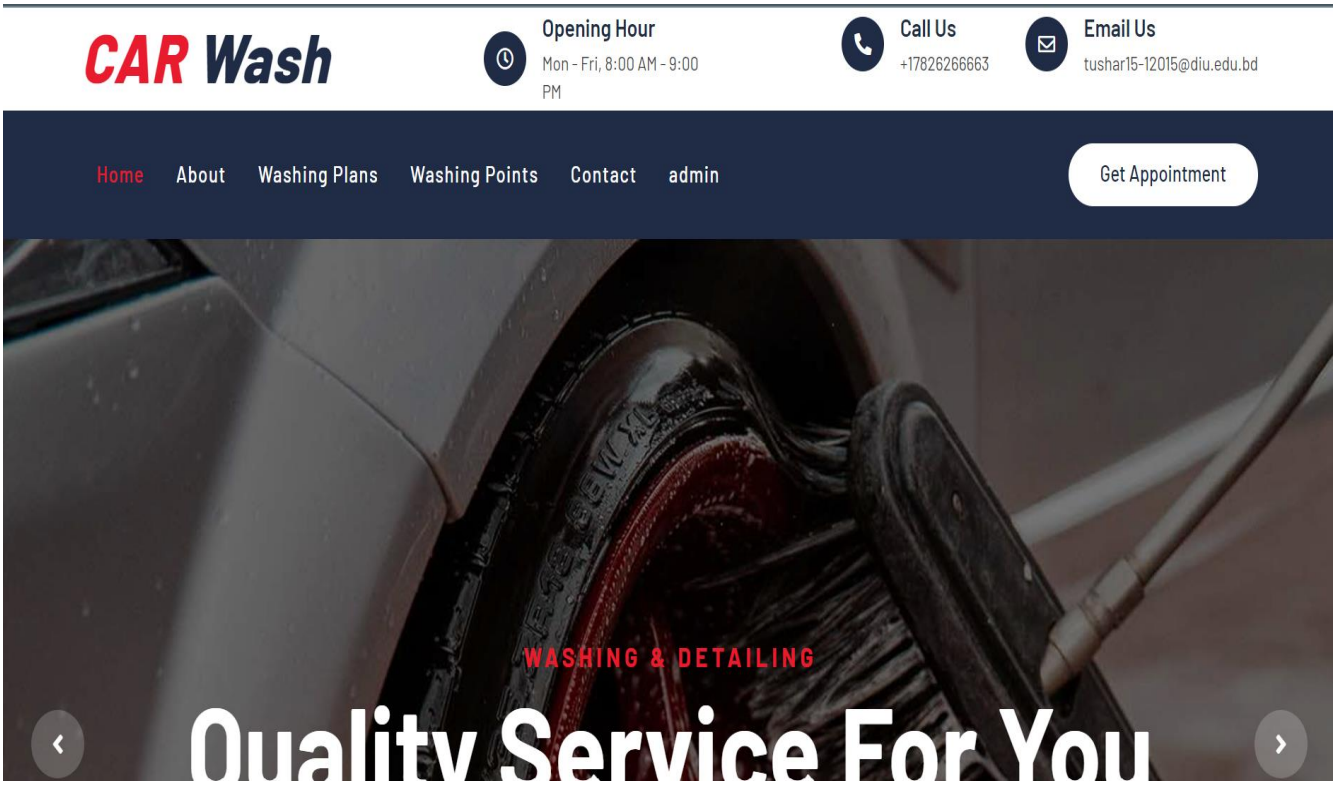

Figure 5.1: Home Page

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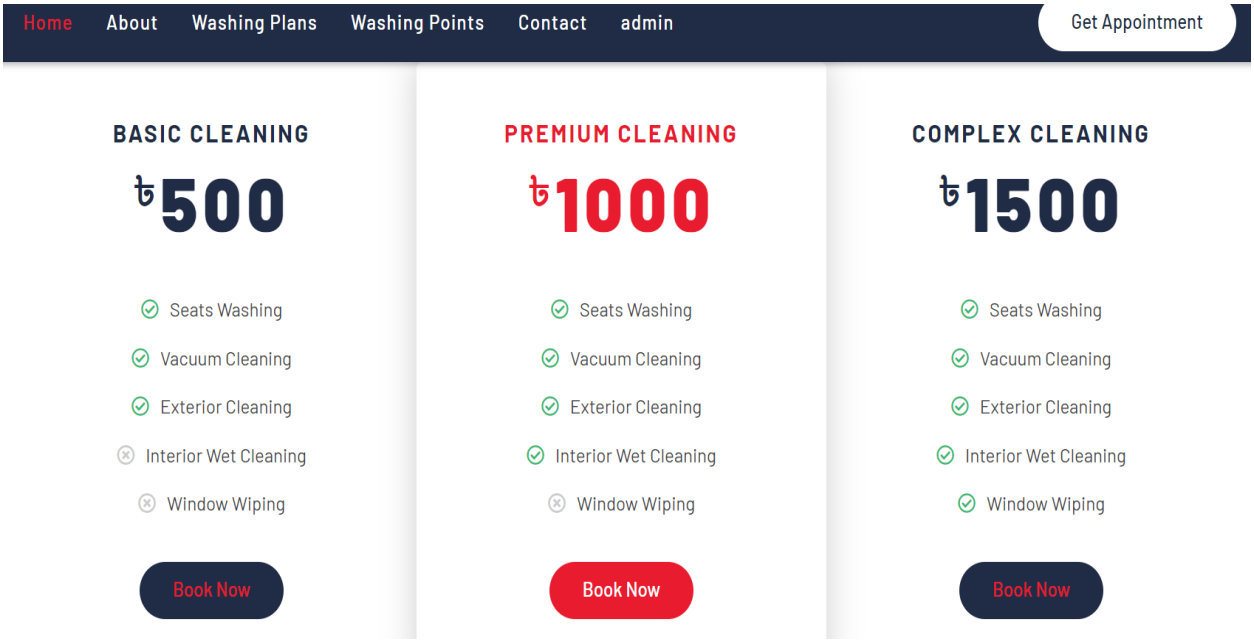

Figure 5.2: Home page

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5.1 Search Service and area

User and Service Provider can search Service and area.

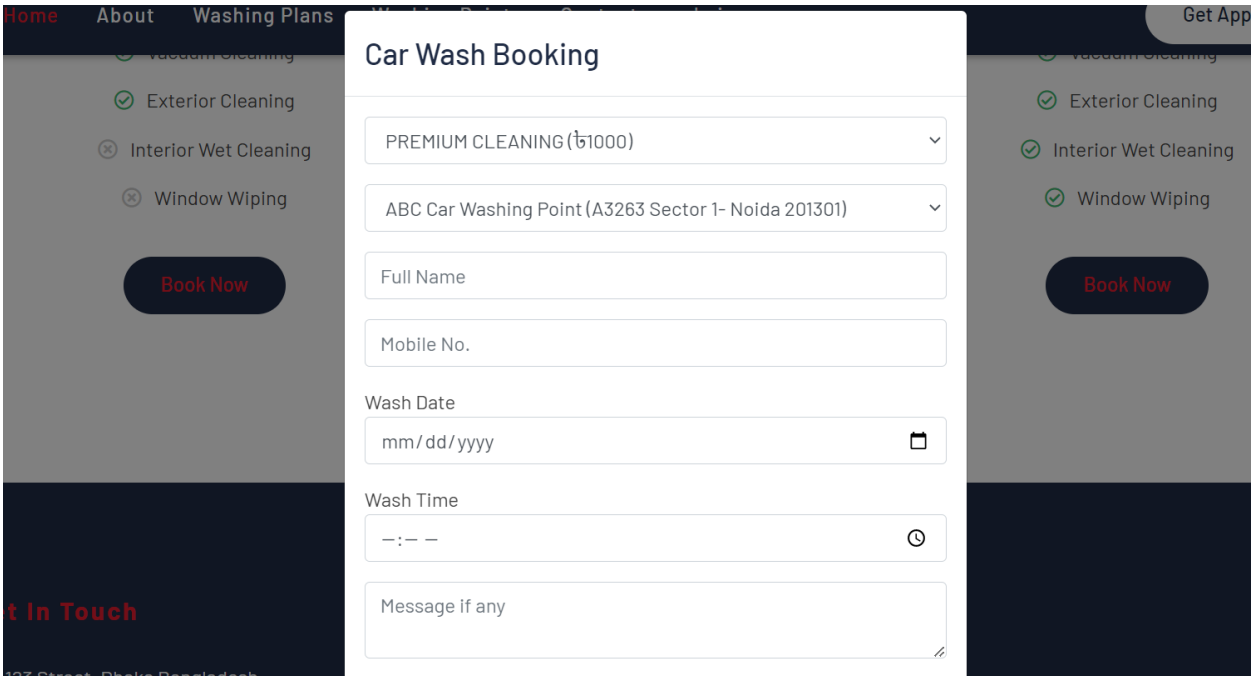

Figure 5. 3: Search Service

5.2 Registration Page

If the Users and Service provider are not registered they should be provided Name, User Name, Email Address & Password to Sign up this System.

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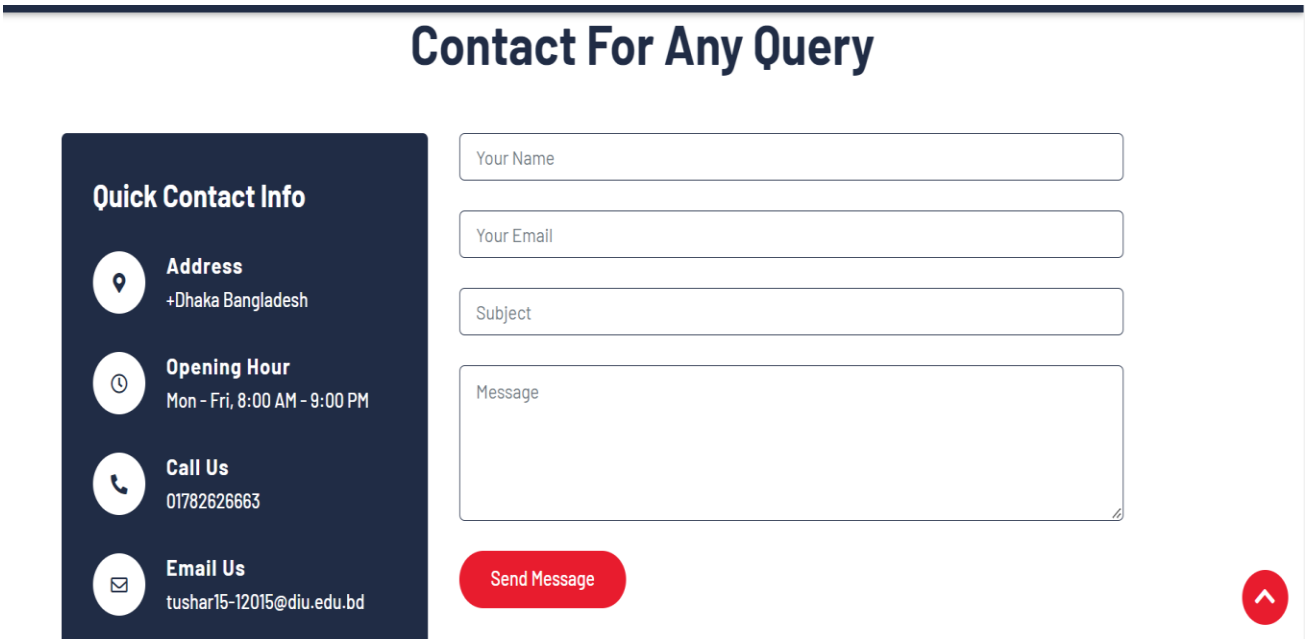

Figure 5. 4: Contact or Registration Page

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5.3 Sign in Page

Users and Service Provider needs to sign In to get service .

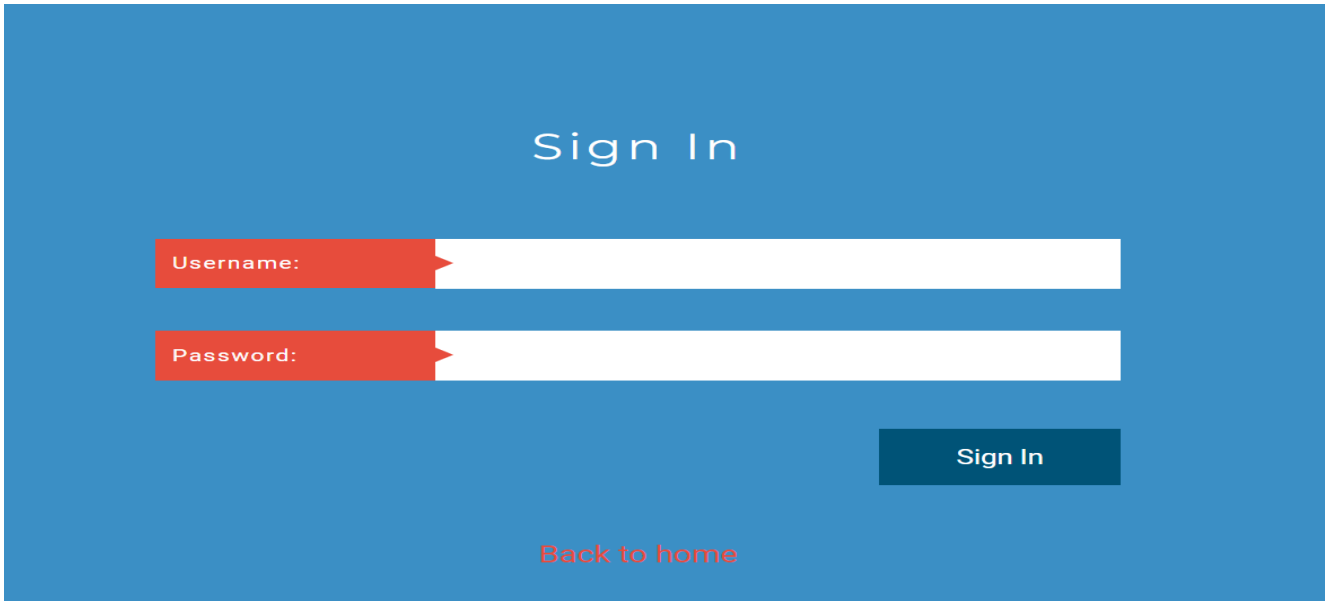

Figure 5. 5: Sign In Page

5.4 User can request for service

Figure 5. 6: Request For service

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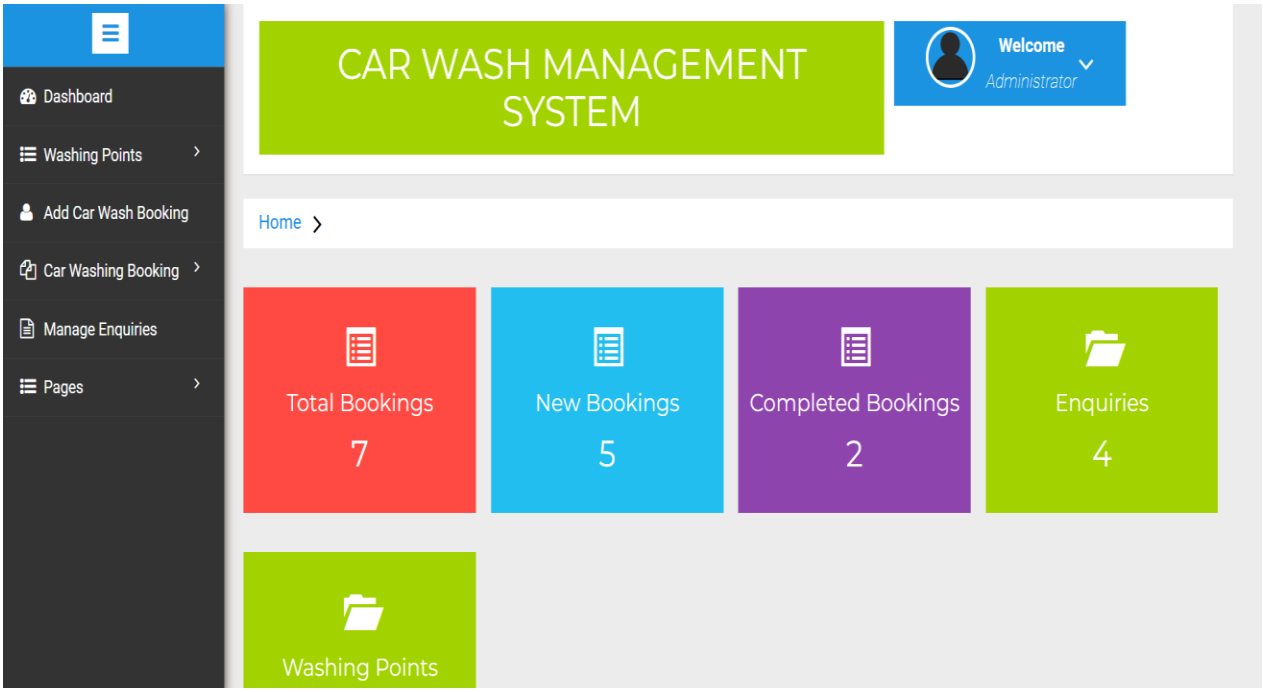

Figure 5. 7: Request Dashboard service

5.5 Cancel Request

User can cancel his/her request

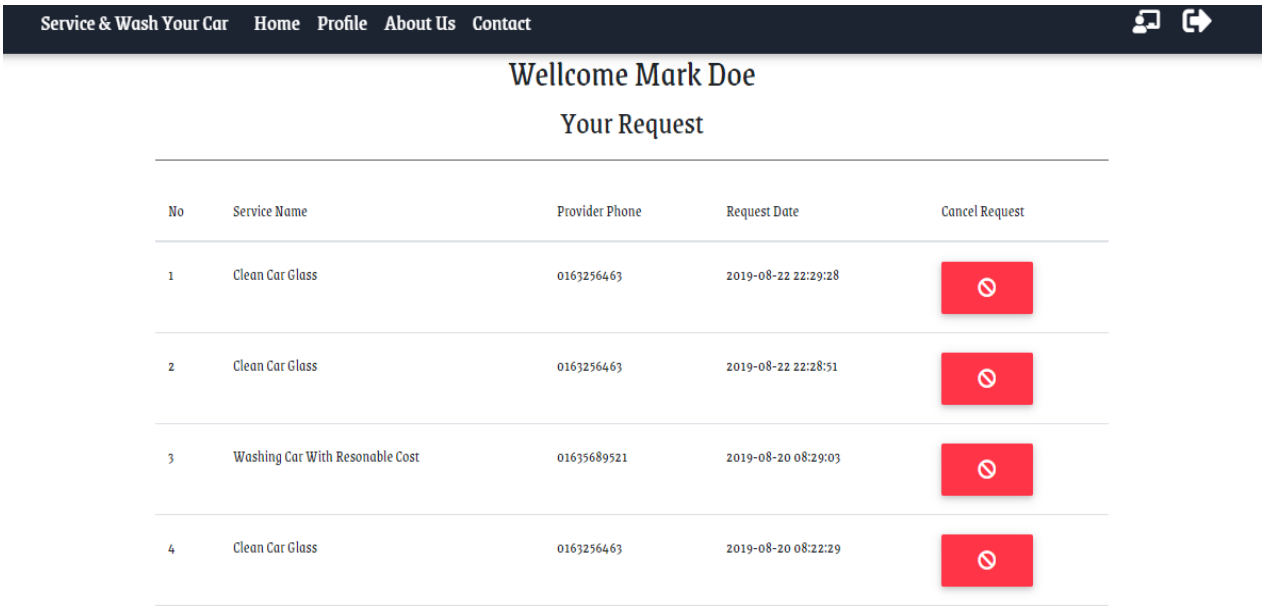

Figure 5. 8:User cancel Request

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5.6 Add Car Washing Booking System

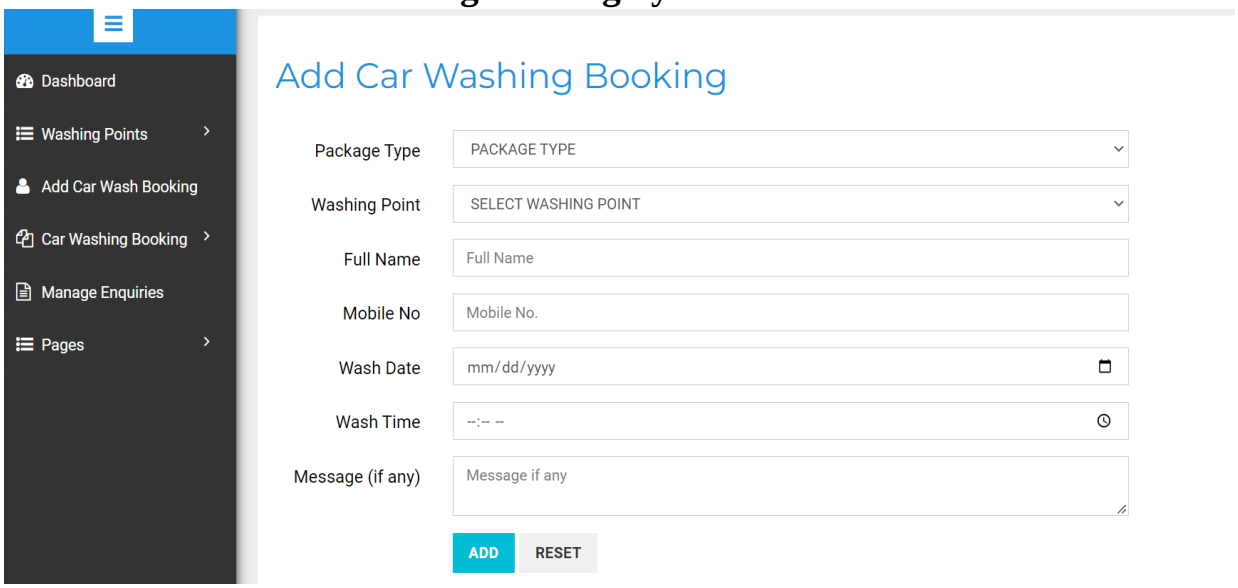

Figure 5. 9: See customer request

5.7 Service Provider cancel request

Service Provider can cancel his client request

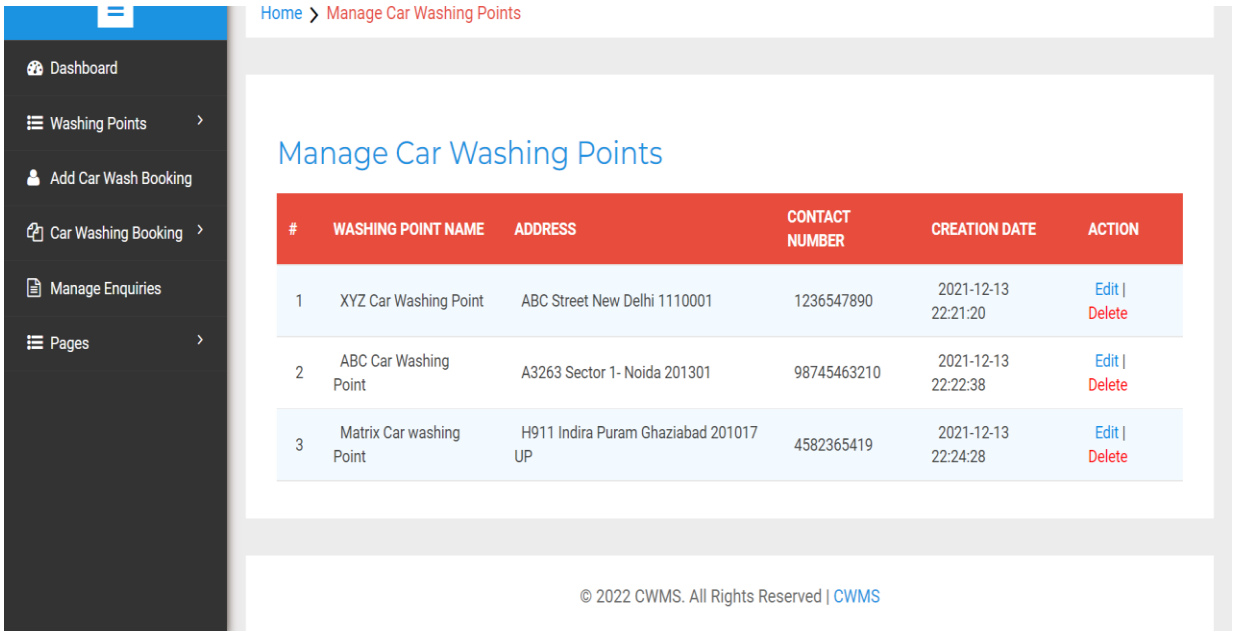

Figure 5. 10: Cancel Request

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5.8 Add Service

Service provider can add services

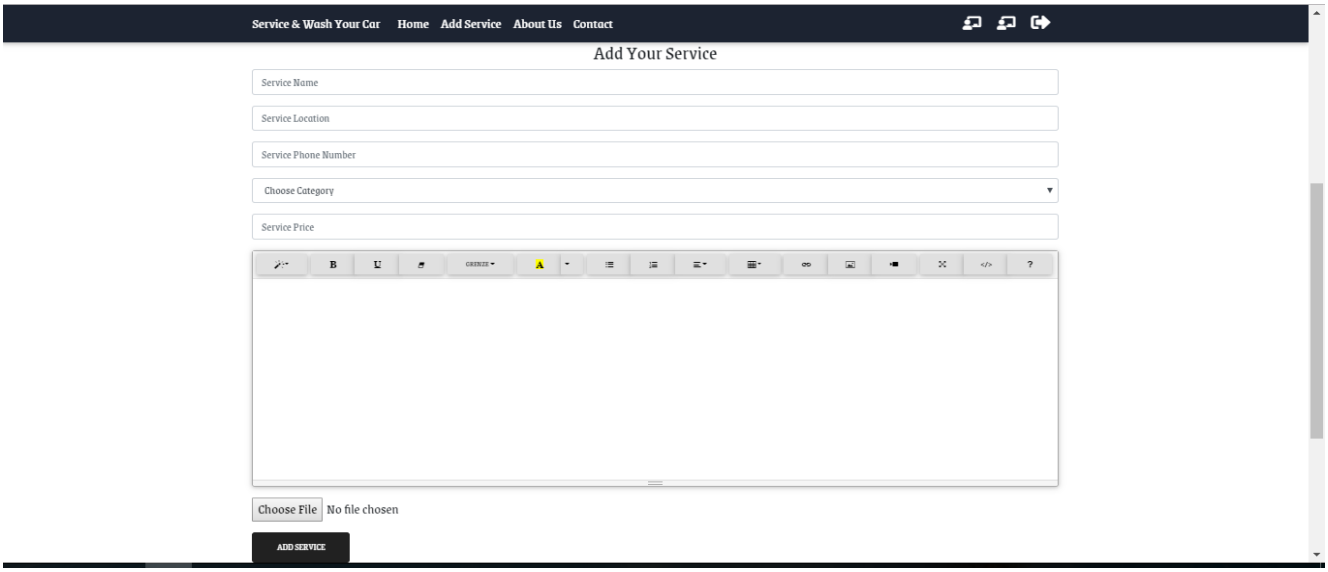
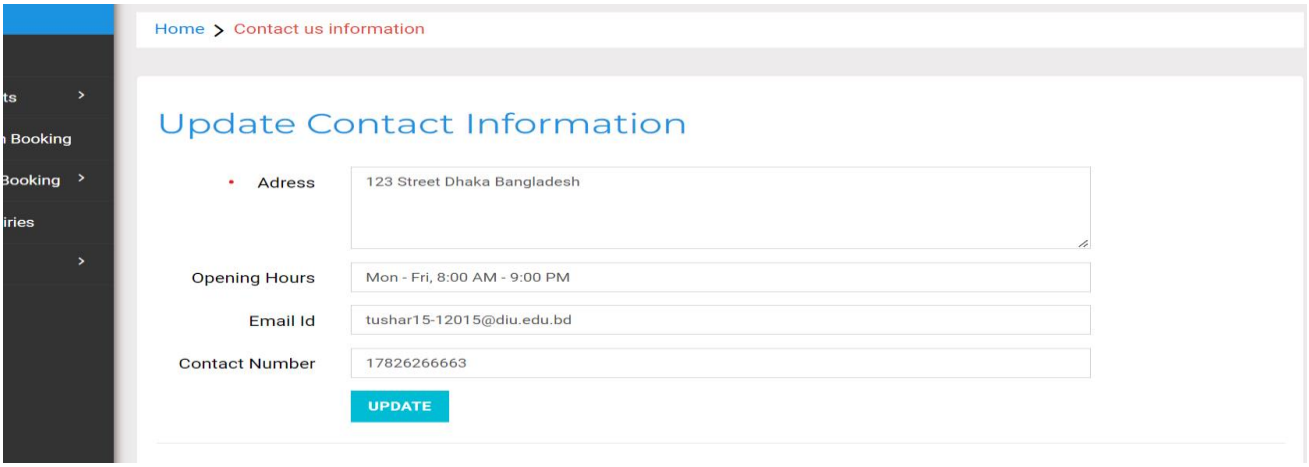


Figure 5. 11: Add Service

5.9 Contact Page

User and Service Provider can contact with admin about their problems.



5.12. Update Information

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5.10 Admin LogIn

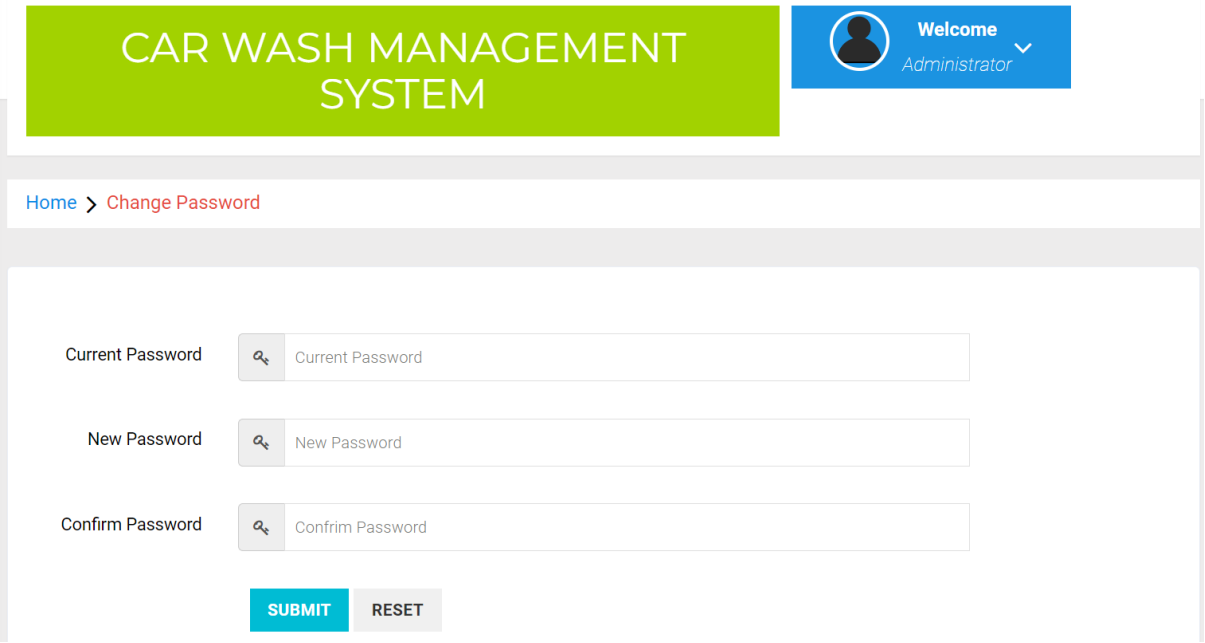

Figure 5. 13: Admin Login

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5.11 Admin Panel

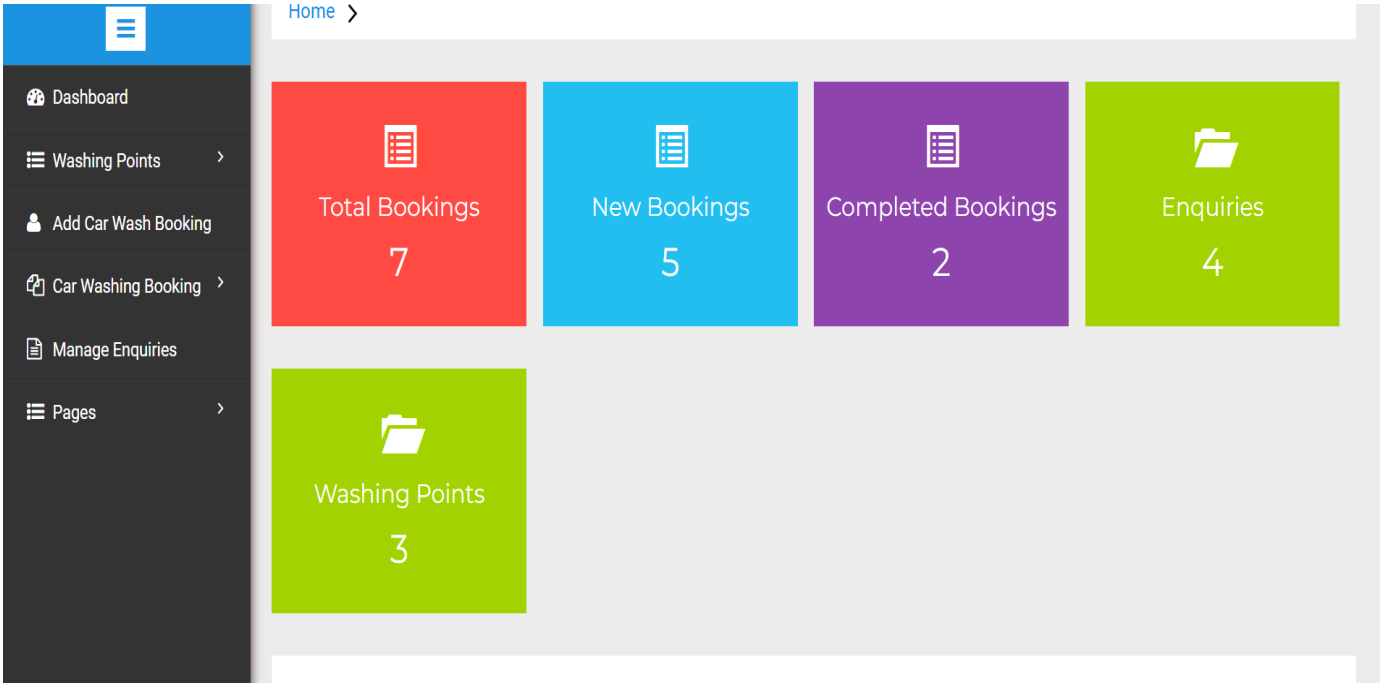

Figure 5. 14: Admin Panel

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Chapter 6

System Testing

6.1 System Testing

Test Plan is needed to show how the system is to be tested and provides precise procedure need to be followed during the testing. The test data what is being tested and the expected outcome as well as actual input. Testing is very important document for all software related projects. Without Test plan a project is considered low quality. All of the Testing Features include functionalities & non-functionalities of Car Wash Service System.

6.2 Test Case

A Test Case is a set of conditions or variables under which a tester will sure as a system works properly with satisfied requirements. Test Case also helps to find problems, errors in any system.

6.3 Features not to be tested

It is not important to.

Table 6. 1: Testing Features

Network Security	Testing Network security is not so essential according to our activities.
Product list	Service list will be available on the system. Testing is not necessary.
View Message	Admin view the message of users and service provider.

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Test Case:

Table 6. 2: Test Case 1

Pre-Condition: User must be sign up as a customer and Service Provider

Table 6. 4: Sign up pre-condition

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To registration Page	http://localhost/cwms/contact.php	Go To Register Page	Successfully Entered	Pass	Ok
02	Create A Name	Mark(user) Nafi (service Provider)	Take Name	Name Taken	Pass	Ok
03	Enter Email Address	tushar15-12015@diu.edu.bd. (user) tushar15-12015@diu.edu.bd.com (service provider)	Take Email	Email Taken	Pass	Ok
04	Enter Phone Number	01782626663 (user) 023243434343(service provider)	Take Phone	Phone Taken	Pass	Ok

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05	Enter Password	123456789 (user) 123456789 (service provider)	Take Password	Password Taken	Pass	Ok
06	Enter Confirm-Password	123456789 (user) 123456789 (service provider)	Take Password	Password Taken	Pass	Ok
07	Click Registration	Click	Data saved on database	Successfully updated	Pass	Ok

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Table 6. 5: Test Case 2

Pre-Condition: User must be Log In as a Admin, User and Service Provider

Table 6. 6: Test Case of Login

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status(Pass/Fail)**	**Notes**
01	Navigate to Login Page	http://localhost/cwms/admin/dashboard.php (user, service provider) http://localhost/cwms/admin/dashboard.php login.php (Admin)	Go to Login page	Successfully Entered	Pass	Ok
02	Enter mail	Nafi123 @ gmail.com tushar15-12015@diu.edu.bd (service provider) tushar15-12015@diu.edu.bd (Admin)	Take email	email taken	Pass	Ok
03	Enter password	123456789 (user) 123456789 (service provider) 123456(admin)	Take password	Password taken	Pass	Ok
04	Login Button	Click	Enter Valid Email & Password	Successfully Logged in	Pass	Ok

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Table 6. 8: Users Search service and area pre-condition

Pre-Condition: If users wants to know that whether a service arrives at the place where he lives and if Users wants to fill up the search form he can do this and click on the search button.

Table 6. 9:Uers Search service and area

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Home Page	http://localhost/cwms/location.php	Go To Service Provider home Page	Successfully Entered	Pass	Ok
02	Choose Service	Search service	Go to the service page	Successfully Entered	Pass	Ok
03	Search Area	Click Search Area	Choose area	Successfully Entered	Pass	Ok

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Table 6. 11: Service Provider Search Service Pre-condition

Pre-Condition: If Service Provider wants to fill up the search form he can do this and click on the search button.

Table 6. 12: Service Provider Search Service

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Home Page	http://localhost/cwms/location.php	Go To User home Page	Successfully Entered	Pass	Ok
02	View Search Button	Search service	Go to the service page	Successfully Entered	Pass	Ok

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Table 6. 13: Test Case 5

Table 6. 14: User confirm order pre-condition

Pre-Condition: User need to confirm order as a customer.

Table 6. 15: User confirm order

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Home Page	http://localhost/cwms/location.php	Go To User home Page	Successfully Entered	Pass	Ok
02	View Search Button	Search service	Go to the service page	Successfully Entered	Pass	Ok
03	View Services	Request Service	Confirm Service	Request Has been successful	Pass	Ok

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Table 6. 17: Users Cancel Order Pre-condition

Pre-Condition: User can cancel request.

Table 6. 18: Users Cancel Order

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To User Dashboard	http://localhost/cwms/location.php	Go To User Dashboard	Successfully Entered	Pass	Ok
02	View User request	Cancel Service	Request Has been canceled	Successfully request cancel	Pass	Ok

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Table 6. 20: Service provider cancel order pre-condition

Pre-Condition: Service Provider can cancel order.

Table 6. 21: Service provider cancel order

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Service Provider Dashboard	http://localhost/cwms/admin/dashboard.php	Go To Service provider Dashboard	Successfully Entered	Pass	Ok
02	View User Dashboard	Cancel Order	Request Has been canceled	Successfully request cancel	Pass	Ok

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Table 6. 23: Service provider add and edit service pre-order

Pre-Condition:
Service provider need to add a new service and if he wants to change something services he can edit his services.

Table 6. 24: Service provider add and edit service

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Service provider Add Service Page	http://localhost/cwms/location.php http://localhost/cwms/location.php	Go To Service provider Add Service Page	Successfully Entered	Pass	Ok
02	Service Name	Paint Car	Take Paint Car	Successfully Entered	Pass	Ok
03	Service Location	Badda	Take Location	Successfully Entered	Pass	Ok
04	Service Phone Number	013652347	Take Phone Number	Successfully Entered	Pass	Ok
05	Choose Category	Car wash	Take Car Wash	Successfully Entered	Pass	Ok
06	Service	500	Take Service	Successfully	Pass	Ok

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	Price		Price	Entered		
07	Add Description	It’s a long established face that a reader will be distracted by the readable content.	Take Description	Successfully Entered	Pass	Ok
08	Choose File	Image	Take a image	Successfully Entered	Pass	Ok
09	Add Button	Click	Data Saved	Successfully Add Service	Pass	Ok

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Table 6. 26: User contact pre-condition

Pre-Condition: user need to contact

Table 6. 27: User contact

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Contact Page	http://localhost/cwms/location.php	Go to the contact page	Successfully Entered	Pass	Ok
02	Enter Name	mark	Take name	Successfully Entered	Pass	Ok
03	Enter email	tushar15-12015@diu.edu.bd	Take email	Successfully Entered	Pass	Ok
04	Enter Phone	01782626663	Take phone Number	Successfully Entered	Pass	Ok
05	Enter Subject	About service	Take subject	Successfully Entered	Pass	Ok
06	Enter Massage	Your service is too good	Take massage	Successfully Entered	Pass	Ok
07	Send button	Click	Send massage successfully	Successfully Entered	Pass	Ok

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Table 6. 29:Service provider Contact pre-condition

Pre-Condition: Service Provider need to contact

Table 6. 30: Service provider Contact

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Contact Page	http://localhost/cwms/admin/dashboard.php	Go to the contact page	Successfully Entered	Pass	Ok
02	Enter Name	Tushar	Take name	Successfully Entered	Pass	Ok
03	Enter email	Tushar15-12015@diu.edu.bd	Take email	Successfully Entered	Pass	Ok
04	Enter Phone	017826266663	Take phone Number	Successfully Entered	Pass	Ok
05	Enter Subject	About service	Take subject	Successfully Entered	Pass	Ok
06	Enter Massage	Your service is too good	Take massage	Successfully Entered	Pass	Ok
07	Send button	Click	Send massage successfully	Send massage successfully	Pass	Ok

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Table 6. 32: Admin Dashboard Pre-condition

Pre-Condition: Admin need to change Dashboard.

Table 6. 33: Admin Dashboard

Steps	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Status (Pass/Fail)**	**Notes**
01	Navigate To Admin Home page	http://localhost/cwms/admin/dashboard.php	Go to the home page	Successfully Entered	Pass	Ok
02	Service Category	Click Add, edit or delete service	Add, Edit or delete service	Successfully Entered	Pass	Ok
03	User Category	Click add, edit or delete category	Add, Edit or delete category	Successfully Entered	Pass	Ok
04	Massage	View and delete massage	View and delete massage	Successfully Entered	Pass	Ok
05	Page	Clickadd, editordeletepage	Add, Edit or delete category	Successfully Entered	Pass	Ok

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Chapter 7
Project Summary

7.1 Critical Evolution

Most of the people are not possible physically gone Garage. so that is necessary to make the online car wash service. There need evolution in online process for people of Bangladesh. So they can easily get service.

7.2 Limitations

We cannot verify whether service providers are service valid. User service provider will not be able to interact in real time but will be implanted at Future.

7.3 Obstacle & Achievements

The system is web based. It is not easy to develop this kind of web based project frequently where various obstacle to face the stakeholders.

The system are flexible and user friendly. User of the system saves their time, cost and efforts by using application. The system is cost effective. The system has the capability to go the wider users.

7.4 Future scope

The project has great possibility to go wider users around the country. The sections discuss the work that will be implemented in future.

Live Conference: In future, the system will try to add the feature of live conference among the us

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Chapter 8
References

8.1 Reference

[1] Mbanaso UM, Dandaura ES, Ezeh GN, Iwuchukwu UC. “The use of social networking service among Nigerian youths between ages 16 and 25 years”. In 2015 International Conference on Cyberspace (CYBER-Abuja) 2015 Nov 4 (pp. 14-21). IEEE.

[2] Bashir, H. and Bhat, S.A. “Effects of social media on mental health”, A review. International Journal of Indian Psychology, 4(3), pp.125-131,2017.

[3] McCrory A, Best P, Maddock A. “The relationship between highly visual social media and young people’s mental health: A scoping review”. Children and Youth Services Review. 2020 Aug 1;115:105053.

[4] Smys, S. and Raj, J.S. “Analysis of deep learning techniques for early detection of depression on social media networks-a comparative study”, Journal of trends in Computer Science and Smart technology (TCSST), 3(01), pp.24-39, 2021.

[5] Dannatt, James, Michael Barlow, and Erandi Lakshika. "A natural locomotion interface: Its impact on presence and usage in a social-media charity event for mental health." 2016 IEEE International Conference on Serious Games and Applications for Health (SeGAH). IEEE, 2016.

[6] Yazdavar, Amir Hossein, et al. "Mental health analysis via social media data." 2018 IEEE International Conference on Healthcare Informatics (ICHI). IEEE, 2018.

[7] Asur S, Huberman BA. “Predicting the future with social media”. In2010 IEEE/WIC/ACM international conference on web intelligence and intelligent agent technology 2010 Aug 31 (Vol. 1, pp. 492-499). IEEE.

[8] Lokeshkumar R, Mishra OA, Kalra S. “Social media data analysis to predict mental state of users using machine learning techniques”. Journal of Education and Health Promotion. 2021;10.

[9] Deepa M, Priya K. “Impact of Social Media on Mental Health of Students”. International Journal of Scientific & Technology Research. 2020;9(03).

[10] Chancellor S, Birnbaum ML, Caine ED, Silenzio VM, De Choudhury M. “A taxonomy of ethical tensions in inferring mental health states from social media”. In Proceedings of the conference on fairness, accountability, and transparency 2019 Jan 29 (pp. 79-88).

[11] Chandrasekaran G, Antoanela N, Andrei G, Monica C, Hemanth J. “Visual Sentiment Analysis Using Deep Learning Models with Social Media Data”. Applied Sciences. 2022 Jan 19;12(3):1030.

[12] Amate N, Patil S, Jojan P, Morankar S. “Use of Social Media and Smartwatch Data Analytics for Mental Health Diagnosis”. In2021 International Conference on Innovative Trends in Information Technology (ICITIIT) 2021 Feb 11 (pp. 1-6). IEEE.

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