



Daffodil
International
University

PROGRAM OF STUDY

BSc (Hons) in Computing and Information System (CIS)

COURSE CODE: CIS 499 (PHASE II)

Project Title:

Online Driver and Mechanic Management System



Semester: FALL 2020

SUPERVISED BY

Mr. Md. Minhaj Hosen

Lecturer

Department of CIS

Daffodil International University

SUBMITTED BY

Protik Ghosh Shujoy

ID: 183-16-391

Department of CIS

Daffodil International University

APPROVAL

This Project titled “Online Driver & Mechanic Management System”, Submitted by Protik Ghosh Shujoy, ID No: 183-16-391 to the Department of Computing & Information Systems, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computing & Information Systems and approved as to its style and contents. The presentation has been held on-03-03-2021.

BOARD OF EXAMINERS



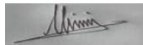
Mr. Md Sarwar Hossain Mollah
Assistant Professor and Head
Department of Computing & Information Systems
Faculty of Science & Information Technology
Daffodil International University

Chairman



Ms. Nayeema Rahman
Sr. Lecturer
Department of Computing & Information Systems
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Mr. Minhaj Hosen
Lecturer
Department of Computing & Information Systems
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner

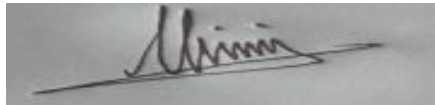


Dr. Saifuddin Md. Tareeq
Professor
Department of Computer Science and Engineering
Dhaka University, Dhaka

External Examiner

DECLARATION

I hereby declare that this project has been done by me under the supervisor of **Mr. Minhaj Hosen**, Lecturer of the department of CIS of Daffodil International University. It is also declared that neither this project nor any part of there has been submitted anywhere else for the award of any degree, diploma, or other qualifications.



Mr. Minhaj Hosen

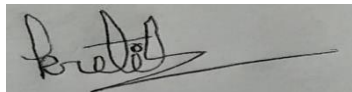
Supervisor

Lecturer

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University



Protik Ghosh Shujoy

Student

ID: 183-16-391

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University

Acknowledgement:

It is quite challenging to create a software project in a limited time. I am grateful to almighty for completing my project in this short time. I am grateful to all my teachers and instructors for helps to come along this way. I want to give special thanks to my project supervisor **Mr. Md. Minhaj Hosen**, Department of CIS, Daffodil International University. He helps me to achieve my goals and inspiring me to make a useful project. He also helped me to develop my project properly. It was not possible to complete this module without his help. I get appropriate guidelines as necessary in time of my project completion. I also thankful to the university authority for providing this project work. Before doing this project, I had a very small knowledge about the full stake website or software development and project management. In time of completing the project I have learned a lot about software development.

I am grateful to my parents for give me the opportunity to study in CIS in DIU and give me support all the time.

Protik Ghosh Shujoy

ID: 182-16-391

Department of CIS

Daffodil International University

Exclusive Summary

Nowadays it is a common criterion to take help from the internet and technology for nearly everything. Almost all business organization requires vehicles for their working purpose nearly every day, even in the holiday. It is quite impossible to find out the available drivers and mechanics for the emergency. The target of this web application is to help the transport owner to find out the drivers and mechanics in the emergency and the driver and mechanics will also get job in their free time. This web application will help both the owner and the driver. This application will be also helpful for the mechanic by giving jobs.

Online Driver and Mechanic Management System will help those organizations to run their transportation business even in the tough holiday. They will be able to get registered with all their information. The drivers will be able to find their job sector from this web application also. The owner will be able to share their recruitment news in this website. The drivers and mechanics are also able to get registered and create their own profile. This site will show their availability. Their contact number and address will be shared through this website also. If any owner wants to hire a driver or mechanic, he can contact with the driver or mechanic through this web application. There will be a hiring option in the profile of the driver. The application will keep record of the hiring information. The driver and mechanic will be hired in an hour basis that means they will be paid according to the bill of per hour.

A task control plan will be supplied by the application through providing a mobile based application. The application will provide an option for the user feedback so that the application can be more usable.

Table of Contents

Chapter 1: Introduction	10
Chapter 2: Initial Study of the Project.....	11
Project Proposal.....	11
Background of the project	11
Problem Area:	12
Possible Solution.....	12
Chapter 3: Literature review.....	12
Discussion on problem domain based on published articles.....	12
Discussion on problem solutions based on published articles	12
Comparison of three/four leading solutions-	13
1. Sheba xye – Driver on demand	13
2. Smart driver	14
3. Amar Sheba.....	15
Recommended approach.....	15
Chapter 4 – Methodology	16
What to use.....	16
Why to use	16
Sections of methodology	16
Implementation plans.....	17
Chapter 5 – Planning.....	18
Project Plan	18
Management Plan / Work Breakdown Structure (WBS)	18
Time Duration / Time Boxing	18
Gantt Chart.....	19
Test Plan.....	20
Testing against time boxes.....	20
Required tests	20
Chapter 6 – Feasibility.....	21
All possible type of feasibility	21
Economic Feasibility.....	21
Technical Feasibility	21
Operational Feasibility	22

Cost-benefit analysis:.....	22
DSDM – good or not for this project.....	23
Chapter 7 – Foundation	23
Overall Requirement List	23
Functional Requirements.....	23
Non-Functional Requirements.....	23
What Technology to be implemented (Client/Web/Standalone)	24
Recommendations and Justifications	24
Chapter 8 – Exploration	24
Old Full System Use Case	25
Old Full System Activity Diagram	26
Prioritized Requirement List (PRL).....	26
Prototype of new system.....	28
Chapter 9 – Engineering.....	31
New System Modules	31
Use Case.....	32
Use Case Description	32
Class Diagram.....	35
ERD Diagram	37
Sequence Diagram	39
System Interface Design / Prototype.....	40
Chapter 10 – Deployment / Development.....	45
Core Module Coding Samples.....	46
Possible problem breaks down.....	48
Chapter 11 – Testing.....	50
Test Case.....	50
Unit Testing (2 to 3)	50
Module Testing (2 to 3).....	53
Integration Testing (2 to 3)	55
Chapter 12 – Implementation.....	57
Training	57
Training Plan	57
Big Bang (no pilot, parallel implementation scheme)	58

Chapter 13 – Critical Appraisal and Evaluation..... 58

 Objective that could be met 58

 Success rate against each objective..... 58

 How much better could have been done 58

 How better are the features of the solution?..... 59

 Which features could not be touched 59

Chapter 14 – Conclusion 60

 Summary of the project 60

 Goal of the project..... 60

 My experience 60

Appendices..... 60

 Test Scripts 61

 User Guide 61

 System Code..... 62

 References 69

Plagiarism Report:..... 70

Figure 1: Sheba xyz..... 13

Figure 2: Smart driver home page 14

Figure 3: Amar sheba home page 15

Figure 4: Gantt Chart..... 20

Figure 5: Old use case 25

Figure 6: Old activity diagram 26

Figure 7: Prototype homepage 28

Figure 8: Prototype of homepage full 29

Figure 9: Blog page..... 30

Figure 10: Service page of mechanic	30
Figure 11: Service page of driver	31
Figure 12: Use case of the system	32
Figure 13: Initial class diagram.....	35
Figure 14: Main class diagram	36
Figure 15: ERD (crow's feet).....	37
Figure 16: ERD.....	38
Figure 17: Sequence diagram of registration and login page	39
Figure 18: System Interface of home page	40
Figure 19: System Interface of full home page	41
Figure 20: Service page of mechanic and driver	42
Figure 21: System interface of blog page	43
Figure 22: System interface of Mechanic page.....	43
Figure 23: Area wise mechanic and driver.....	44
Figure 24: User profile update page	44
Figure 25: System interface of Login page.....	45
Figure 26: registration page for mechanic.....	45
Figure 27: Code of home page	46
Figure 28: Home page view	46
Figure 29: Blog page code.....	47
Figure 30: Blog page view	47
Figure 31: Mechanic profile page code.....	48
Figure 32: Mechanic profile view page	48
Figure 33: Registration page	51
Figure 34: Database of user	52
Figure 35: Validation	52
Figure 36: Login page	53
Figure 37: User authentication message	54
Figure 38: Input warning message.....	54
Figure 39: Registration page for integration testing.....	55
Figure 40: Validation for integration testing.....	55
Figure 41: User login page for integration testing	56
Figure 42: Mechanic register	56
Figure 43: Login as a mechanic	57

Chapter 1: Introduction

Nowadays people lead very busy life and everything is becoming online based. Even when it is about the transportation, the owners and customers find the way to run their business online and they find the solution of their problem from online. From this application, the owner of car, truck or bus can find the temporary driver or mechanic for solving the sudden problem or necessity. This application can be the source of extra income of the drivers and mechanics. The owner, driver and mechanics can find their necessary resources from this application. Owner, driver and mechanics can also share their requirements in this site.

The project is for emerging driver and mechanic hiring service on online. This web application will help the owner to find out the temporary and permanent driver and mechanic according to their necessity. This system will be accessible to all registered user 24/7. The system will provide the availability option and the hiring service rate of drivers and mechanics. The owners, drivers and mechanics will be able to share their requirements. The web application will provide the users information including address info that will help other users to find the available user. The web application will help the mechanics to utilize their skills in their free time and make money. The drivers will also be able to create a good impression to the owner that will help them to get permanent job. The owner can also get the expert driver or mechanic for their company. People can visit the application for gathering general idea about the driver and mechanic.

It is necessary to define the main aim and objectives of any project before in the initial stage. This part is for defining the main aims and objectives of the project:

The main concept of the project:

- ✓ Hire driver and mechanic according to the per hour basis.
- ✓ Manage owners, drivers and mechanics data and run the system efficiently.
- ✓ The necessary information of owners, drivers and mechanics will be shown in the web application.
- ✓ The system will show the working schedule and availability of the driver and mechanics.
- ✓ Owners can find the drivers, mechanics by dynamic searching process according to their place, name or contact number.
- ✓ Hiring process will provide the check in and check out date and per hour rent.

Project objectives and goals:

- ✓ An online platform to enable user to hire and be hired for the emergency time in the transportation purpose.
- ✓ Manage owner's data and the demanding rate of drivers and mechanics.
- ✓ 24/7 online accessibility using the internet connectivity.
- ✓ 24/7 service based on the availability of the drivers and mechanics.

Chapter 2: Initial Study of the Project

Project Proposal

The project is about Online Driver and Mechanic Management.

Key-scopes:

Online Driver and Mechanic Management System is a web-based application for hiring driver and mechanic from online. It will help the Owners of Bus, Truck and Microbus for hiring mechanic and drivers **24x7hours** even in the holiday. The user will be able to see the schedule and availability of the driver and mechanic. Users will be able to search nearest driver and mechanic so that users' will be able to get mechanic and driver in any place. Google map is used for framing the driver and mechanic's current location. Users can make payment from the website via bkaash, rocket & credit card.

Motivation:

As this system is online based, the user will be able to maintain all the process like hiring or being hired, select place, maintain schedule, online payment and well communication among users, drivers and mechanics.

The website will be able to collect the information of drivers and mechanics and owners of vehicles that will be helpful in Information Technology.

Background of the project

The project will create the Online based drivers and mechanics management system. Sometimes it is very important to get a driver or a mechanic, but it is not possible to find them without any hustle. But when the phone number and current location of the driver and mechanic can get from online, it is not a matter of concern to find them.

The owners can find temporary driver and mechanic in time of urgency. The drivers and mechanics also can make extra income through this website as it will offer works for them.

The owners will be able to check the reviews and rating of the drivers so that they can know which driver and mechanic is expert for solving his problem. Users will also be checked out the availability and schedule of the driver and mechanic.

Problem Area:

People likes to get service from online in this era. There was a time when people faced a lot of problem for getting any service. But now nearly everything is becoming online based. But it is not easy to make people familiar with a new application, it is difficult for the working people like driver and mechanic. Besides, it is quite difficult to maintain security by getting and keeping the right information of the user. It is one of the major issue. The system will be usable for the driver or mechanic who has a bit literacy about internet and online platform.

Possible Solution

The possible solution for the problem domain has been explained below:

- ✓ The system admin should be responsible.
- ✓ Keep identity verification and authentication process.
- ✓ Make people concern about internet and online platform.
- ✓ Make driver and mechanic able to use the application.

Proper knowledge and benefits of the site should be explained to the user for make the system popular and acceptable.

Chapter 3: Literature review

Discussion on problem domain based on published articles

The project is for driver, mechanics and car owner for communicating for their own welfare. It is kind of service platform. As there are some service platforms in Bangladesh, people are familiar with the term service that is found in real world. Online platform is not that much popular yet. Some identified problems are -

- The rules and regulations of online service.
- Internet speed and connectivity in rural areas
- User's security while giving services.
- Monetarization of service charge

Discussion on problem solutions based on published articles

The organization need to get some rules and regulations that are related to the company. Some solutions for the identified problems are given below:

Quality of service of drivers and mechanics:

The quality of service should be enhanced. The review and ratings of users should be taken into account for measuring the quality of service.

Drivers, mechanics and Vehicle owner's identity:

The registration system should have authentication and verification system so that user cannot sign in without giving right identity.

Internet speed and connectivity:

Internet connectivity should be standard in rural areas and make a standard level of speed.

Set service charge for using the system:

For using the system, a charge should be fixed so that no user can use the site without paying the certain amount of money.

Comparison of three/four leading solutions-

1. Sheba xye – Driver on demand

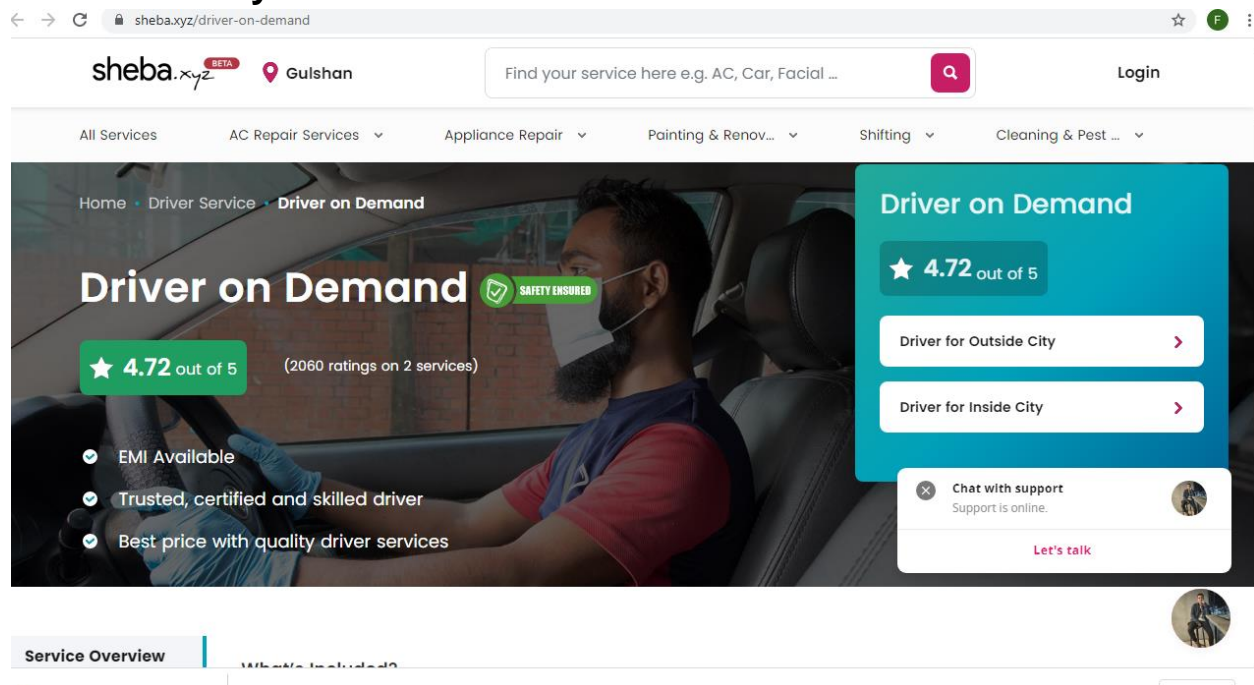


Figure 1: Sheba xyz

- best features
 - Drivers and mechanics information is given in details.
 - Review and ratings can be seen
- Limitations
 - The schedule of the driver is not up to date

- The availability of the driver cannot be seen

2. Smart driver

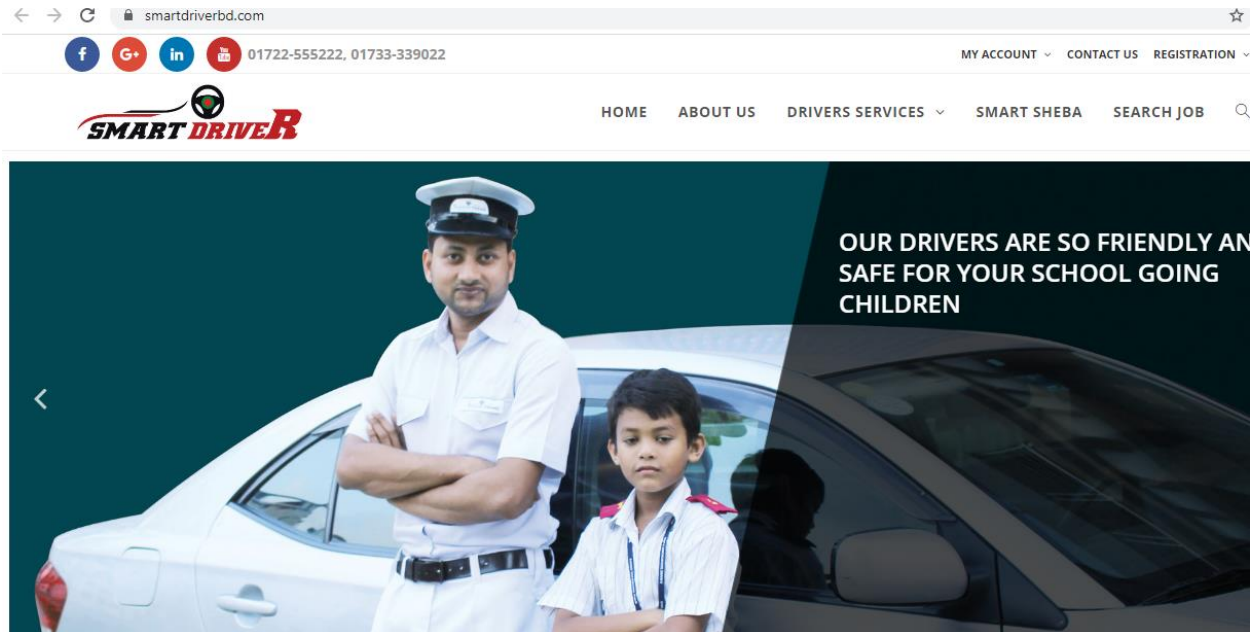


Figure 2: Smart driver home page

- best features
 - Drivers' information is given in details.
 - Review and ratings can be seen
 - Drivers are categorized according to the vehicle
- Limitations
 - It is only for drivers, but there is no information about mechanic

3. Amar Sheba



Figure 3: Amar sheba home page

- best features
 - Drivers and mechanics information is given
 - Review and ratings can be seen
 - Hire process are easy
- Limitations
 - The schedule of driver and mechanic are not specified
 - The availability of user is not seen.

Recommended approach

At first glance, the using system should be understandable and user friendly to the user. The system is built up with PHP language for backend and html, CSS, JS in frontend. Some recommendation for making the system faster:

Driver and Mechanic Information:

- Proper information of driver and mechanic need to be included
- The schedule of driver and mechanic should be given
- The availability of the driver and mechanic should be seen
- The information of vehicle owner should be given into the system

System admin:

- The data and information should be maintained by the admin
- Authentication and verification should be maintained
- Block or delete suspicious user
- Monitor payment and monthly service charges

Monthly service charge and payment method:

- The system should fix a monthly charge, and the system should not be accessible until the service charge will be paid
- There should be a payment method of for driver and mechanic so that their payment record can be maintained by the admin.

Chapter 4 – Methodology

In this chapter, the proper guidelines of the whole project work will be given. Here, the expression of how the system implementation can be made, the methodology will be given.

What to use

I have selected DSDM methodology which is under agile framework. The full meaning of DSDM is Dynamic System Management Method. In DSDM, there are different steps for fulfilling the whole project and each step is done using iterative development. DSDM is good for medium sized projects with fixed budget and time.

Why to use

There are some reasons for choosing DSDM for my project. They are -

- Focus on business perspective
- Focus on system goal that met its business value
- It sets certain time box for completing each feature
- Focus on fixed time and budget
- Supports iterative development so that each step is reviewed for several time.

All the reasons are related to my project. So, I have chosen to implement my project using this methodology.

Sections of methodology

Here, the description of each parts of the selected methodology has been given. There are five sections: in DSDM methodology. There are seven phases in DSDM.

Pre-project:

The previous work of the project is reviewed. The further development plan is set in this part. Initial works of projects are discussed and data gathered.

Feasibility:

The evaluation of project has been done in this section where different types of technical issues are taken into consideration. In this section, the evaluation charts are also shown.

Foundation:

Here, the primary foundation process is discussed. For example, initialization of project, initial methodologies, initial architectural diagrams.

Exploration:

Functionalities are picked and the small development plan and time box are set using functionality prioritization techniques.

Engineering:

The architectural diagrams of the system are created in this section. The plan for project development also includes with software engineering techniques.

Deployment:

This is the part where the actual development process done by doing coding works. The project deployment framework, rules are fixed in this section.

Post-project:

The description of the whole work done in this section. The further development plan, handover the the project to the end user is done in this section.

Implementation plans

Some implementation plan is followed in DSDM methodology.

- ✚ The project functionalities are identified according to the necessity of the project.
- ✚ The functionalities are categorized into two types named functional and non-functional.
- ✚ The functional requirements are prioritized by following MoSCoW prioritization method.
 - Must have – it selects the most important functionalities.
 - Should have – It selects functionalities that can make the usability easier.
 - Could have – It selects functionalities that could be added by not that much important.
 - Won't have – It selects irrelevant functionalities for eliminate them.
- ✚ The selected functionalities are bound in a group and set a time box for each group of work
- ✚ The group of works are done under several stage of DSDM, which follows the iterative development.

Chapter 5 – Planning

Project Plan

A project cannot be not developed without proper planning. So, it is important to implement proper planning and research about the project’s opportunities before development. Planning also includes testing, documentation etc. All are explained in this article.

Management Plan / Work Breakdown Structure (WBS)

A big work can be broken into small parts, and set a fixed amount of time for completing the part is Work Breakdown Structure(WBS). It can increase the productivity of full works. It is an important tool for optimize the development process. Here, the whole project work is broken into small parts. They are:

Part name	Estimated Time limit
Initialization of the project	7 days
Making Project proposal	3 days
Analysis	6 days
Design	5 days
Development	10 days
Testing	7 days
Documentation	6 days
Final submission	5 days

Time Duration / Time Boxing

Task Name	Duration	Start Time	Finish Time
Starting the project			
1. Looking for the web application	7 days	Wed 15/07/20	Tu 21/07/20

2. Research on the similar web application 3. Identify negative and positive site of my application			
Making the project proposal			
1. Submit the project proposal and get feedback	3 days	Wed 22/07/20	Fri 24/07/20
Analysis	6 days	Sat 25/07/20	Thu 30/07/20
Design			
1. Diagrams 2. Database design 3. UI design	5 days	Fri 31/07/20	Tue 04/08/20
Development	10 days	Wed 05/08/20	Fri 14/08/20
Testing			
Documentation	7 days	Sat 15/08/20	Fri 21/08/20
Final Project Summation	6 days	Sat 22/08/20	Mo 27/08/20

Gantt Chart

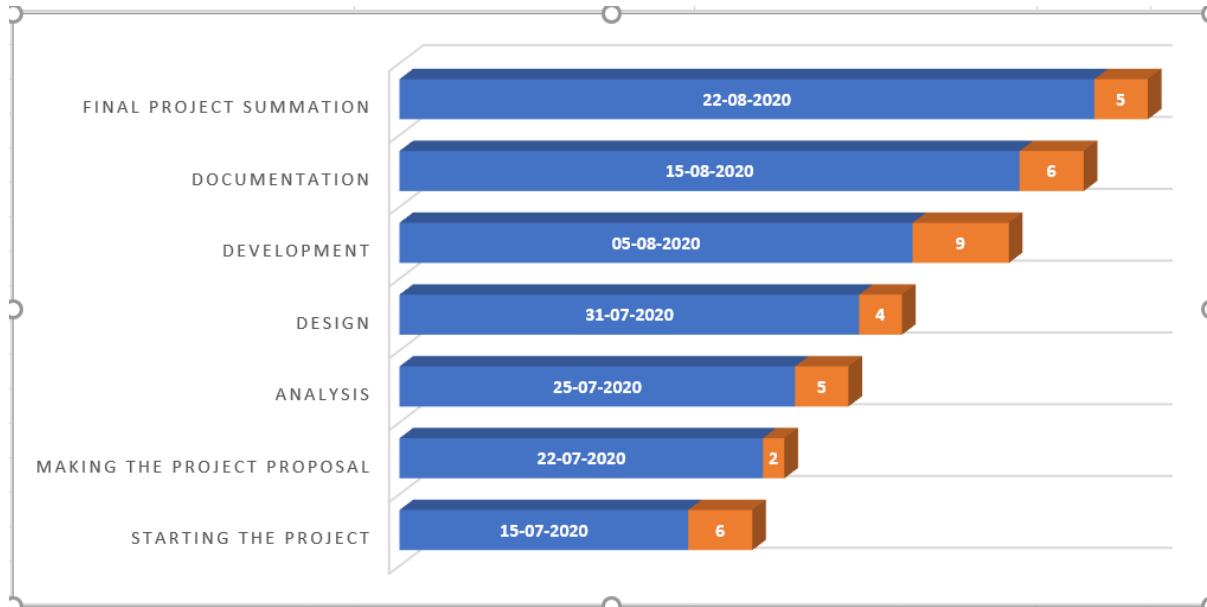


Figure 4: Gantt Chart

Test Plan

Testing is one of the most important part of project development. Testing is important for ensuring if the project is working perfectly or not. Some required tests have done while completing the project.

Testing against time boxes

There is a bounded time limit for testing purpose. It takes 7 days to complete whole testing process. It was not easy to complete the testing in this bounded time. But as DSDM follows iterative development, so small tests were taken place while developing the project.

Required tests

The tests that was done for completing my fault free project, is explained below:

Unit testing

It is a most used test technique for finding bugs. The functions are tested in this technique individually. It makes the fault finding easier.

Integration Testing

The group that is combined with different types of functionalities are tested here. This testing combines the functionalities that faced unit testing and integration testing takes place after completing unit testing.

Module testing

The evaluation of business requirements is measured in module testing

Security testing

If the software is vulnerable, it can be found out by making security test. In this test technique, the threatened part of the software can be found.

Chapter 6 – Feasibility

All possible type of feasibility

The aspect that is related with project with the strength, weakness, threats of environment is discussed in feasibility study. The financial aspects, technological things and operational processes are defined in this period.

Economic Feasibility

Economic feasibility is to find the accounting or financial aspects that is connected with the projects. The components of the system are find here make research about the project requirements. Related software, hardware and other components cost are find here for make the project:

Implementation Cost

Requirement	Price
Computer	50,000 Tk
Software (including microsoft office, xampp, code editor, compiler)	30,000 Tk
Hosting cost	2,000 Tk
Other costs including complience	20,000 Tk
Total	1,02,000 Tk

Economic feasibility also analysis cost benefit that defines the benefits or loss by creating the application.

Technical Feasibility

Technical parts or validation are considered here and measured that if these are available for this project or not. Some technical consideration would need for this project. These are defined here -

- ✓ Different operations and response from the user on it.
- ✓ Database management system and its processing of data.
- ✓ Validity of data about this project.
- ✓ Software and hardware will develop the technical and functional part of project.

The system admin can handle all the data and processes from the background. User can access to the system easily by getting registered and logged into the system. User can get profile management and other processes from any devices. For developing this

system, I used HTML5, CSS3, and bootstrap, PHP, JavaScript and MySQL and data validation of JQuery.

The required Software & Hardware are:

Hardware:

- ✓ Desktop PC/ Laptop (8 GN RAM, 1TBT HDD)
- ✓ Internet connection (Wi fi router)

Software:

- ✓ Xampp/Wampp Latest Version
- ✓ Adobe Creative cloud
- ✓ MS Office 2016
- ✓ OS – windows 10
- ✓ PHP Strom Latest Version.

Operational Feasibility

Operational parts of the project are discussed in the operational feasibility study. In this part I have make the measurement which works are created for business fulfillment about this Online Driver and Mechanic Management System. These systems main operations are –

- ✓ Easily driver registration and mechanic registration virtually.
- ✓ Easily track the driver, mechanic and owners' location.
- ✓ Easily Hire the driver and mechanic.
- ✓ Easily schedule update facility for users.
- ✓ User feedback about online driver and mechanic service.
- ✓ User request for any certain location.

By using this system user can do these operations with less time. It is very effortless for a user. User can perform this system with proper validation for data input.

Cost-benefit analysis:

Cost benefit analysis is about finding the estimation of the cost of required components and the benefit which comes from using this system. Now, in this part I have differentiate the cost and benefit of the proposed system of Online Driver and Mechanic Management System. The estimated benefits that will come after creating this website is given below:

Basic	Price
Business improvement	40,000 Tk
Productivity	40,000 Tk

Available required components	70,000 Tk
Total	1,50,000 Tk

So, if the success come true by creating this software, the benefit will remain = Benefit – cost = 1,50,000 – 1,02,000 = 48,000 Tk.

So, the system will be beneficial for the business.

DSDM – good or not for this project

For creating small and medium sized system, DSDM is best. As this is a small sized project, the DSDM methodology is best suited for the development. The system has a number of functionalities that should be reviewed again and again. And DSDM offers iterative development technique that reviews a stage again and again.

Chapter 7 – Foundation

Overall Requirement List

The requirements are divided into two types functional and non-functional. Both types are explained below:

Functional Requirements

Functional requirement is helpful to deploy project's main features. Without deploying it project's aim or goal would not be completed. The functional requirements of this project are defined using MoSCoW prioritization –

- User registration for using for this system.
- Login process for getting into this system.
- Manage different information like schedule and hiring rate.
- Easily hiring process.
- Easily contact with the required user.
- User feedback about online driver and mechanic and the system also.
- User request for each and every kind of driver and mechanic with their location.

Non-Functional Requirements

Nonfunctional requirements are those which make system more efficient and usable. The non-functional requirements of the system are described here clearly –

- ✓ Availability of data by measuring privacy and security.
- ✓ Validation and verification of the data from user input of this system.
- ✓ Manageability of the system properly.
- ✓ Ease of use of the system

What Technology to be implemented (Client/Web/Standalone)

Recommendations and Justifications

The project is built up with PHP language. There are various types of technology but I have used web server application with client server application.

Web Server Application

In web server application, no external software is required to be installed, as it is hosted into the main server with a unique domain name. User can find the system by entering the name or URL from any types of web browser.

- ✓ Only internet connectivity and device is required.
- ✓ Internet literacy also important for finding the system and its functionalities.
- ✓ Can be accessed by huge number of user from different place and time.

Client Server Application

In client server application, users' system is hosted into the organization where organization run the server. Here, Client need to send request to the server for getting data. Junk request is prevented and huge number of data can be handled by the server.

- ✓ No additional software installation required.
- ✓ It is not usable for huge number of user.

Chapter 8 – Exploration

This chapter explains the exploration of project which represents the diagrams and prototypes related to the software.

Old Full System Use Case

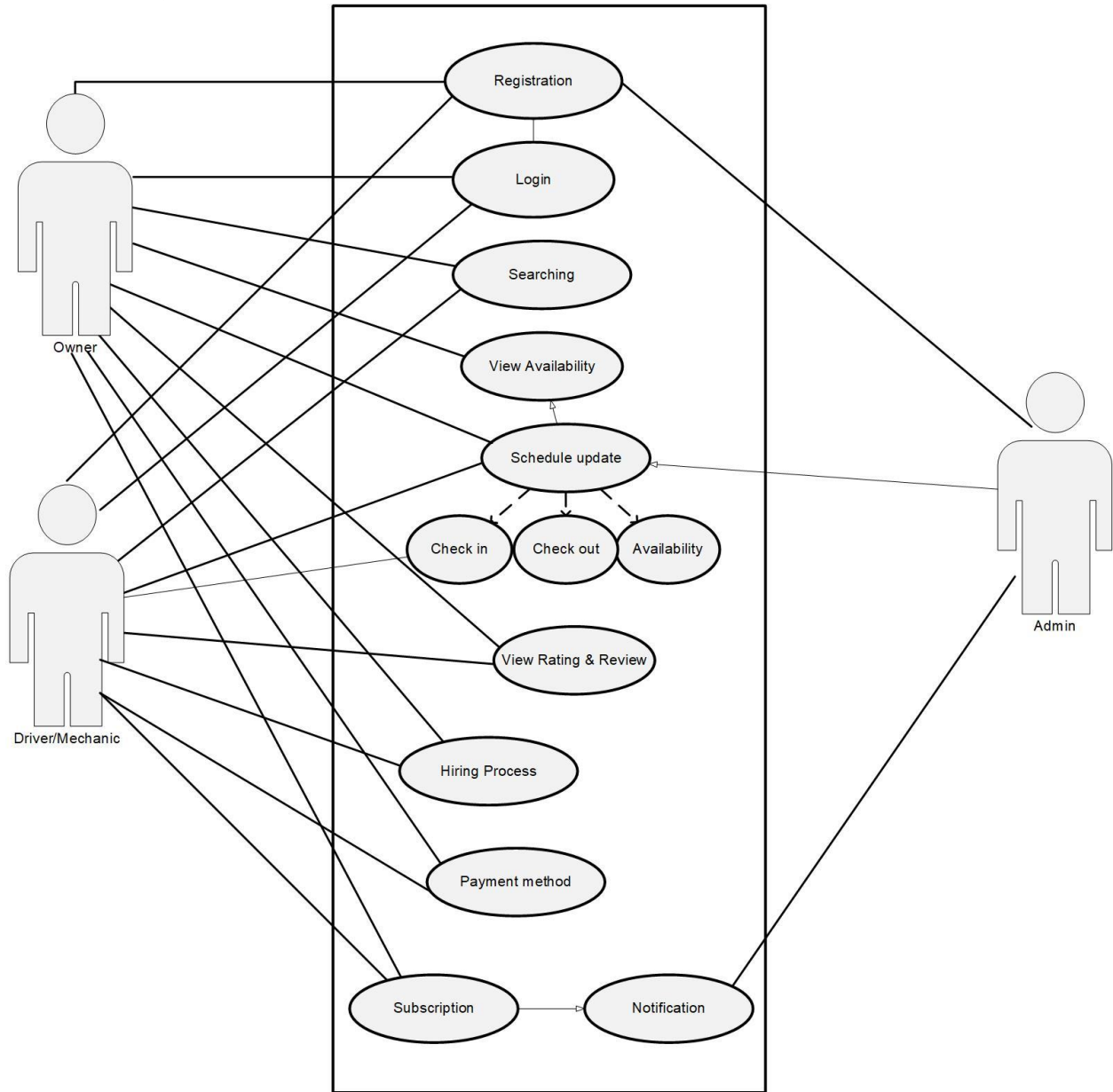


Figure 5: Old use case

Old Full System Activity Diagram

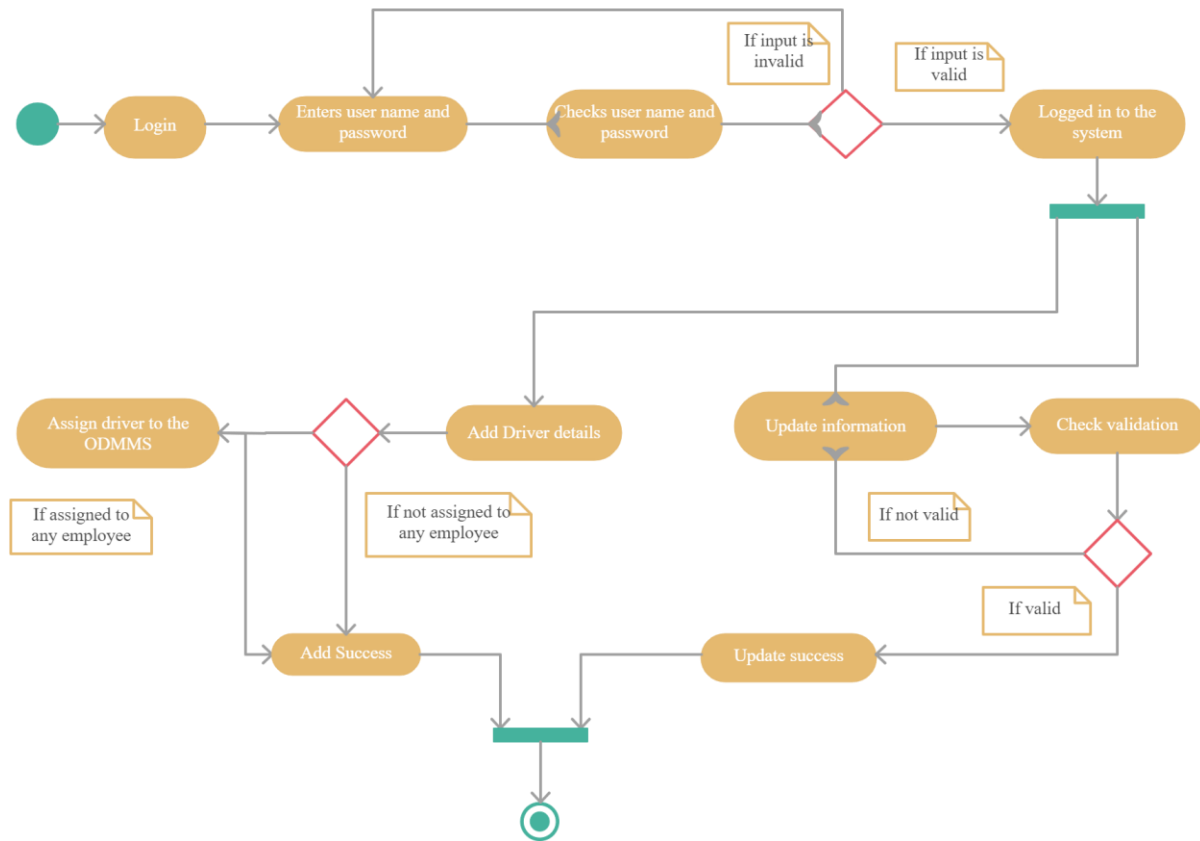


Figure 6: Old activity diagram

Prioritized Requirement List (PRL)

It is necessary to Understand the project requirements and select the process what to do or not to do for the analysis part. Analysis helps to set the project goals and finds the functional and non-functional requirements of the system. This chapter is for find out these requirements of online driver and mechanic management system.

No	Functional Requirement	Priority
01	User registration for getting into the system.	Must have
02	Login in system facility.	Must have
03	Manage different type of user data.	Must have
04	Manage different driver and mechanic category.	Must have

05	Effortless hiring process through online	Must have
06	Confirm hiring.	Must have
07	Record user request for hire others user.	Must have
08	User feedback about system or Service.	Should have
09	Admin message sending option to user.	Should have
10	Mail confirmation for each new user.	Should have
11	Face book/twitter system.	Could have
12	Give notification for any update.	Could have
13	Remind all users' using devices, email.	Won't have

Prototype of new system

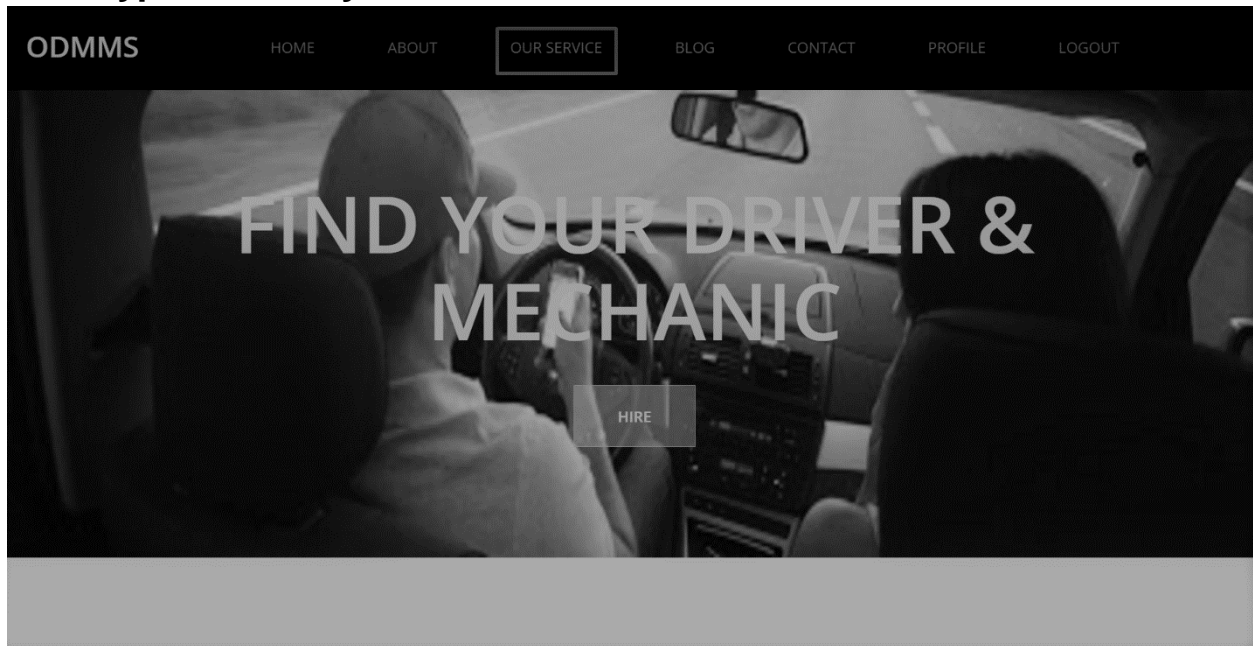


Figure 7: Prototype homepage

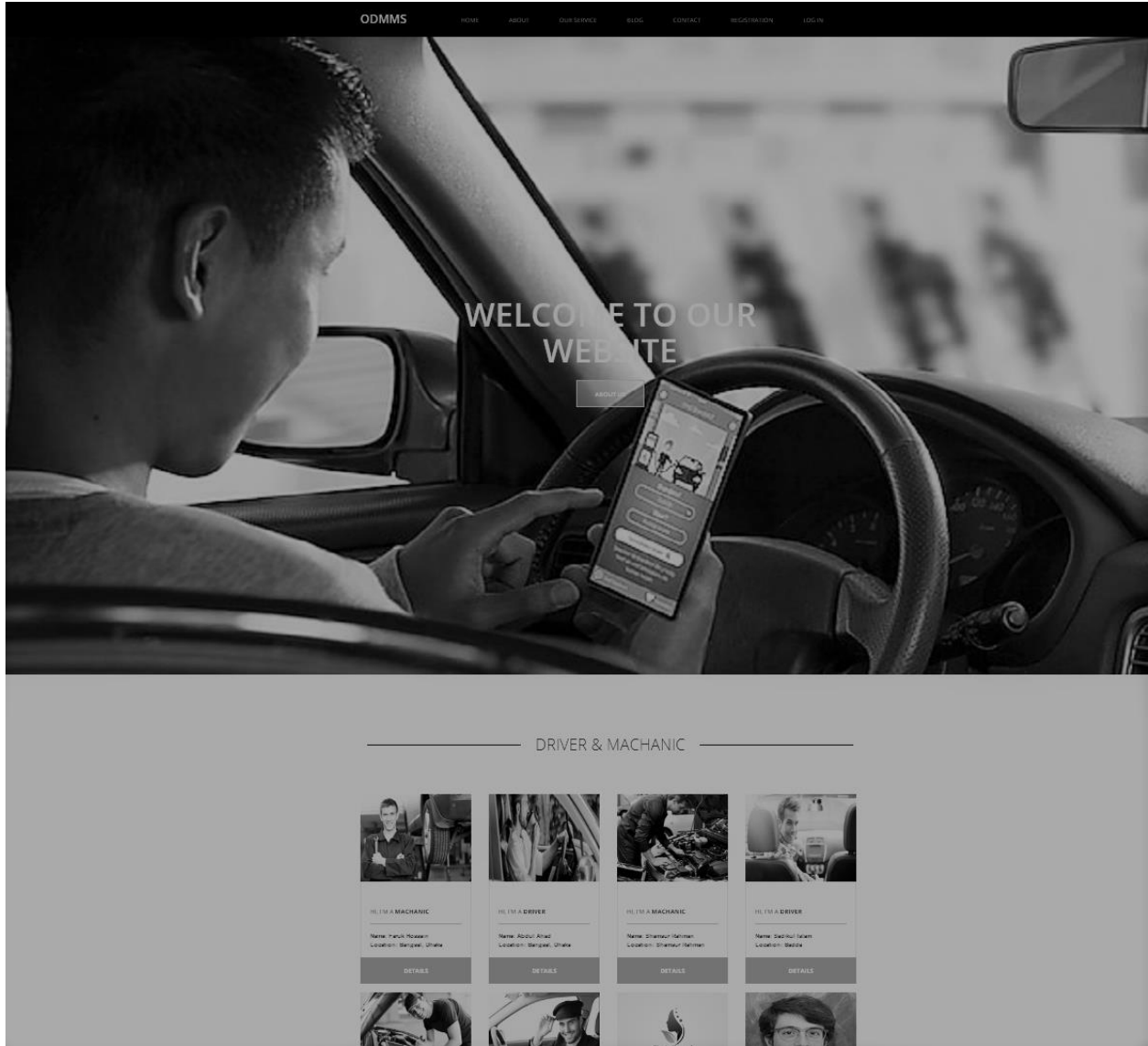


Figure 8: Prototype of homepage full

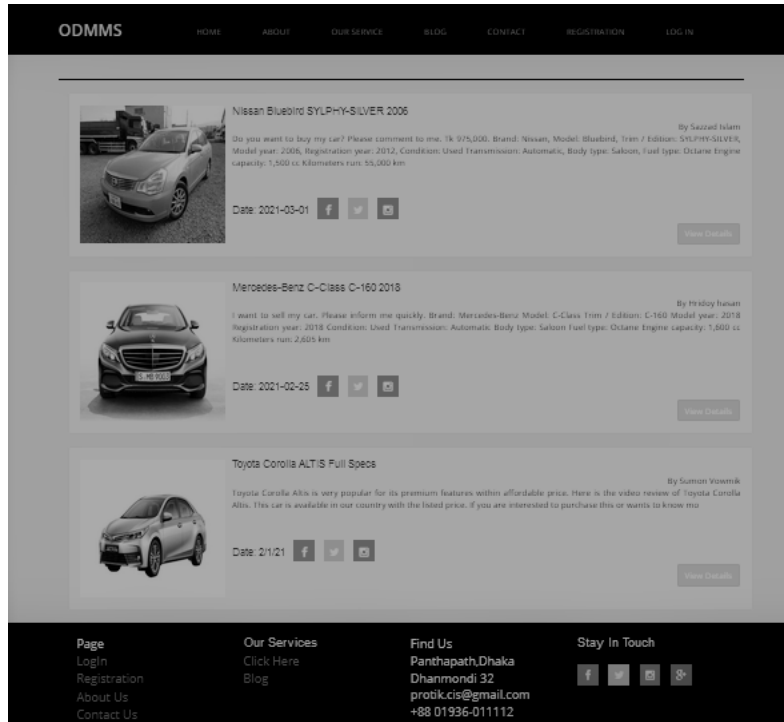


Figure 9: Blog page

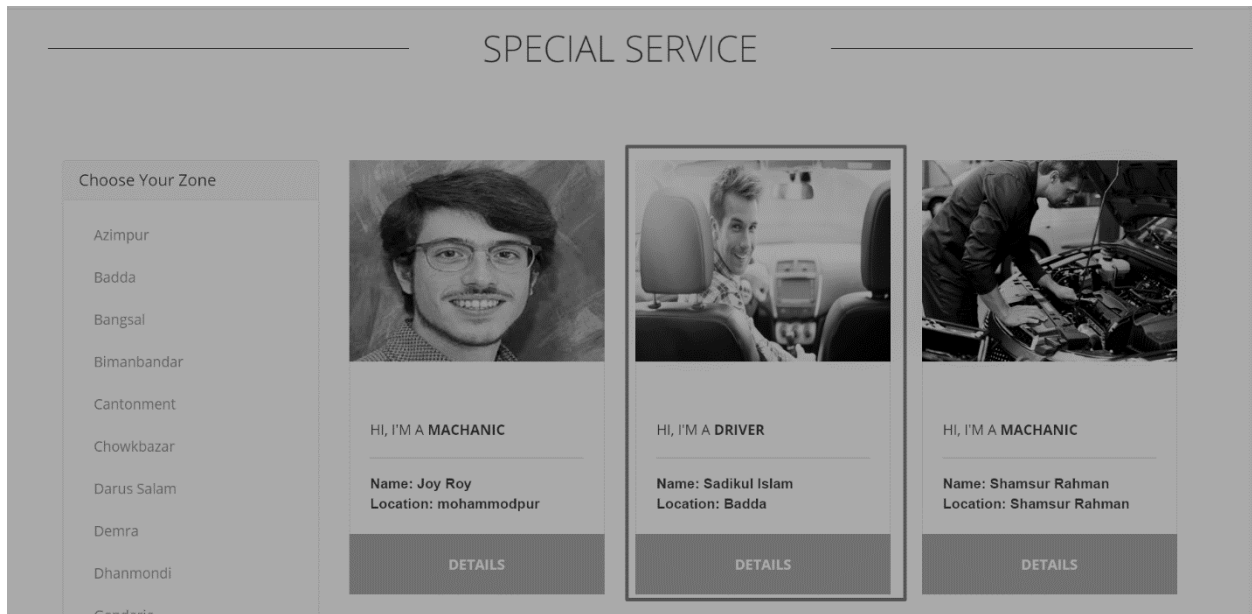


Figure 10: Service page of mechanic

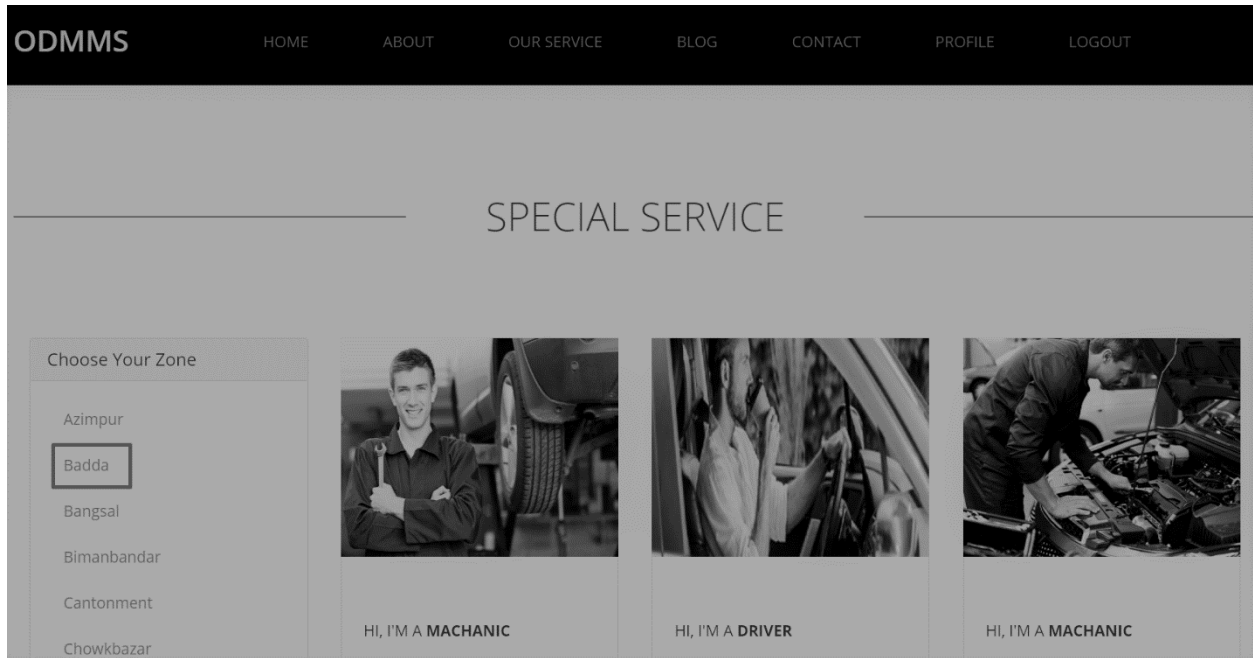


Figure 11: Service page of driver

Chapter 9 – Engineering

New System Modules

The new modules are given below:

- ✓ Blog page
- ✓ Feedback page
- ✓ Driver and mechanics working schedule page
- ✓ Availability module
- ✓ Payment method
- ✓ Access by giving Service charge

Use Case

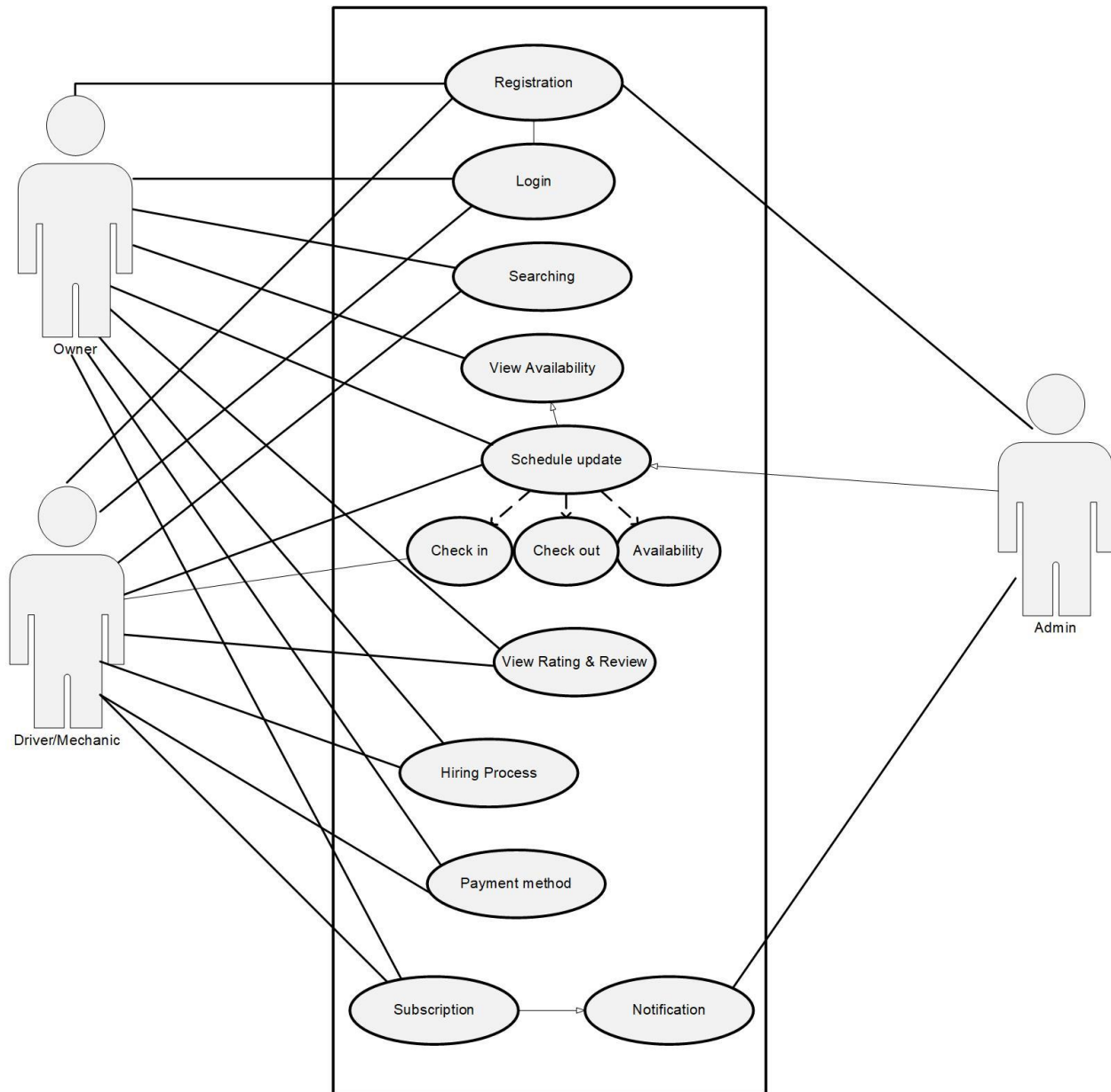


Figure 12: Use case of the system

Use Case Description

Use case ID:	Case1
Use case Name:	Registration
Primary Actor	User
Secondary Actor:	Admin
Pre-Condition:	User will browse system then will select registration option
Basic flow of events:	i) Insert details to complete registration

	ii) If data is valid then system stores it to database and registration will complete
Post Condition:	Receive success message

Use case ID:	Case2
Use case Name:	Login
Primary Actor	User
Secondary Actor:	Admin
Pre-Condition:	Need to complete registration at first
Basic flow of events:	i) Insert required information ii) If data is valid then system allows him to perform specific operation
Post Condition:	Go to inside the system

Use case ID:	Case3
Use case Name:	View site
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Need to login
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of section

Use case ID:	Case4
Use case Name:	Searching
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Need to login
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of product type

Use case ID:	Case5
Use case Name:	Hiring Process
Primary Actor	Admin

Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Need to login
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of item
Use case ID:	Case6
Use case Name:	Schedule
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Add product type first
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of product

Use case ID:	Case7
Use case Name:	Payment method
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Add item type first
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of item

Use case ID:	Case8
Use case Name:	Add subscription
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Need to login first
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of subscription
Use case ID:	Case9
Use case Name:	Notification
Primary Actor	Admin
Secondary Actor:	Owner, Driver & Mechanic
Pre-Condition:	Get or send notification
Basic flow of events:	i) Fill all the field with required data
Post Condition:	Shows the list of product item

Class Diagram

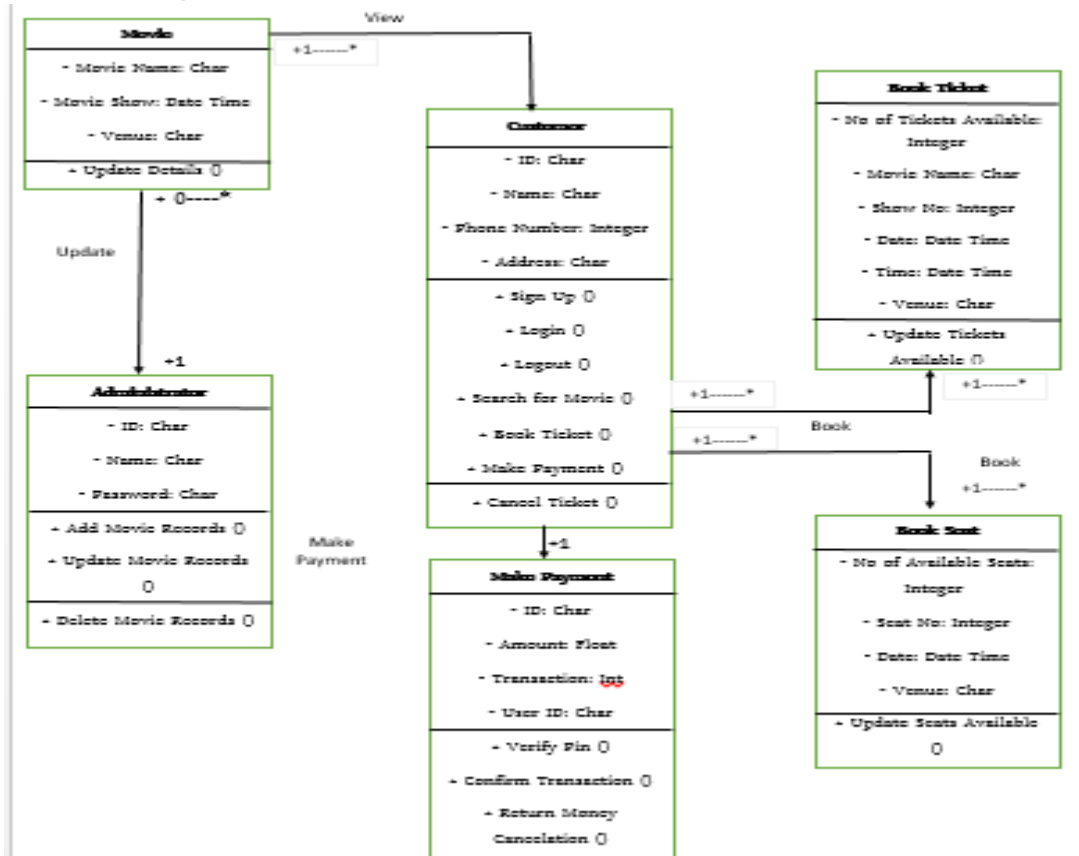


Figure 13: Initial class diagram

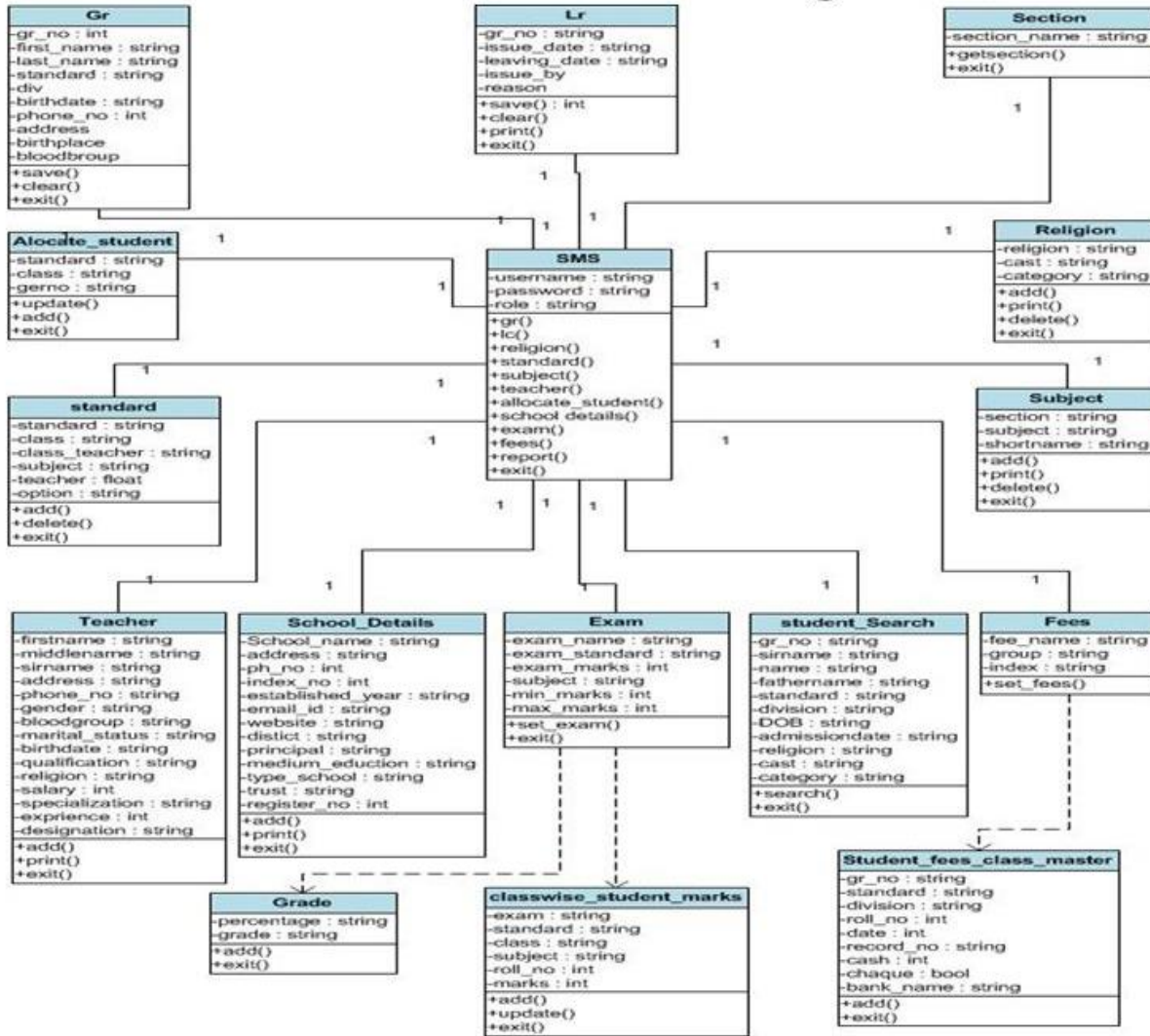


Figure 14: Main class diagram

ERD Diagram

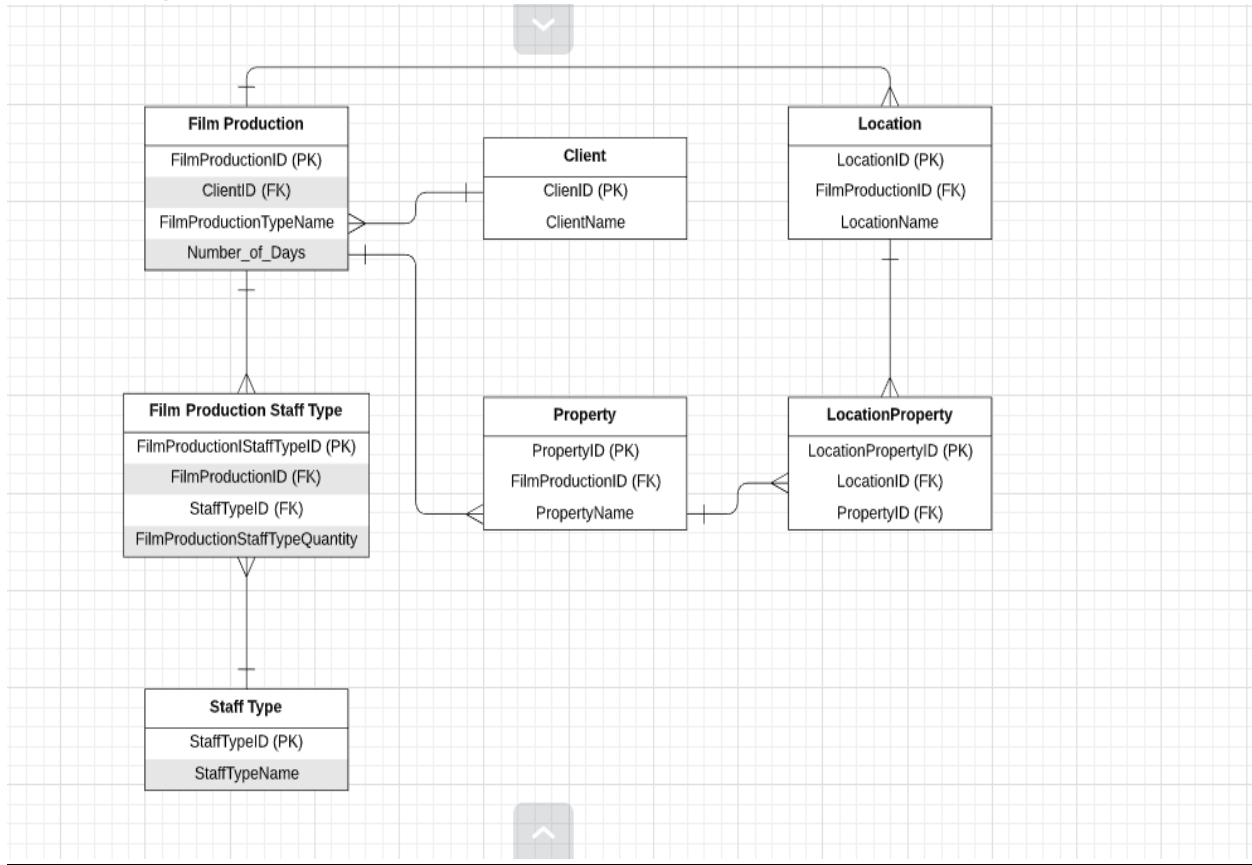


Figure 15: ERD (crow's feet)

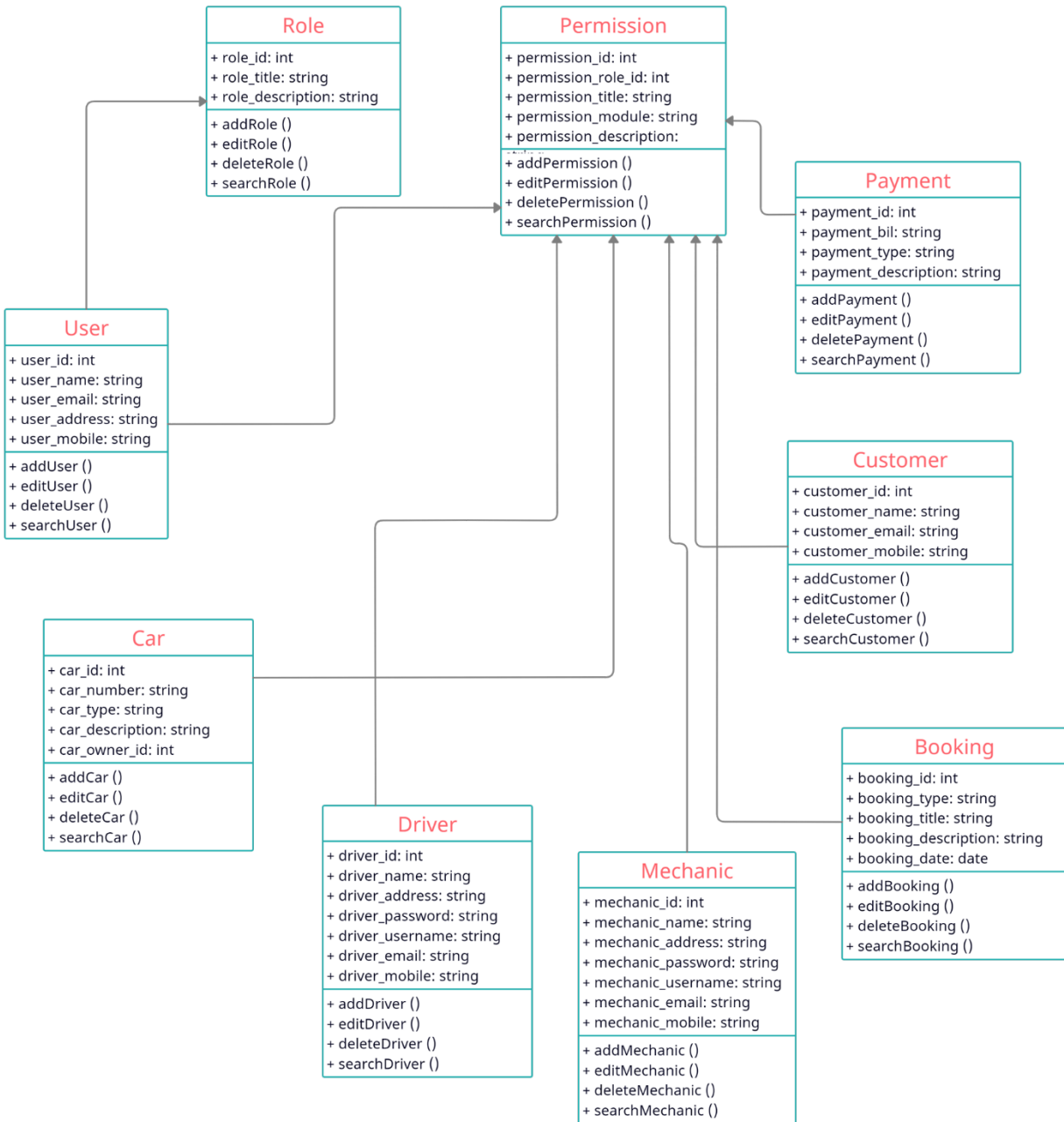


Figure 16: ERD

Sequence Diagram

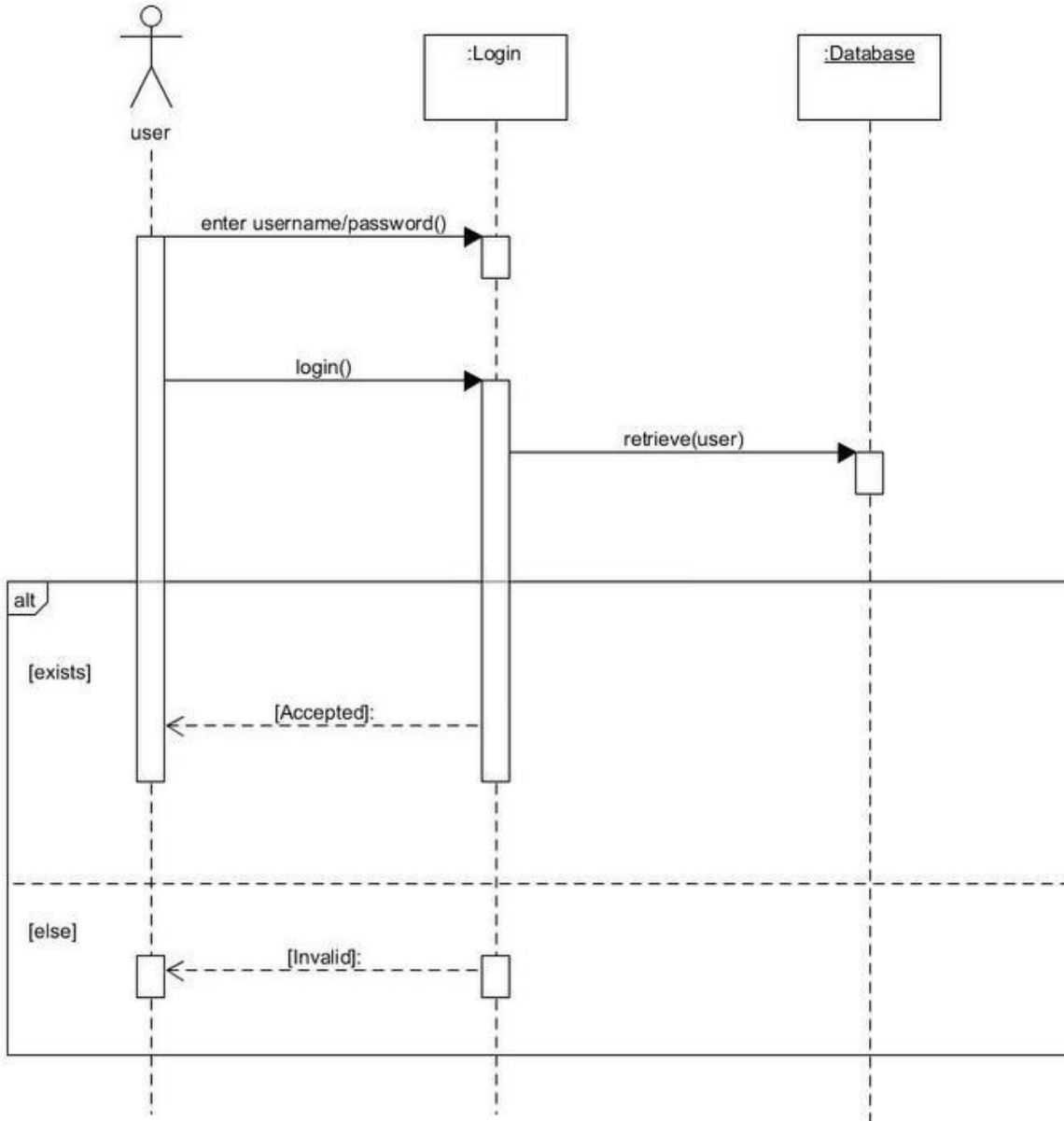


Figure 17: Sequence diagram of registration and login page

System Interface Design / Prototype

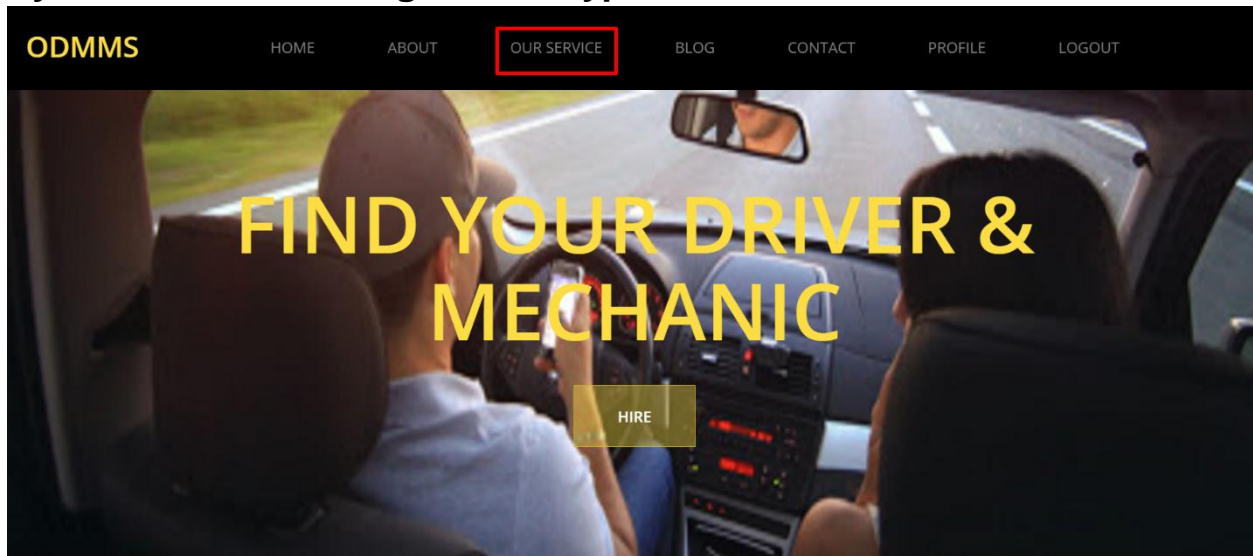
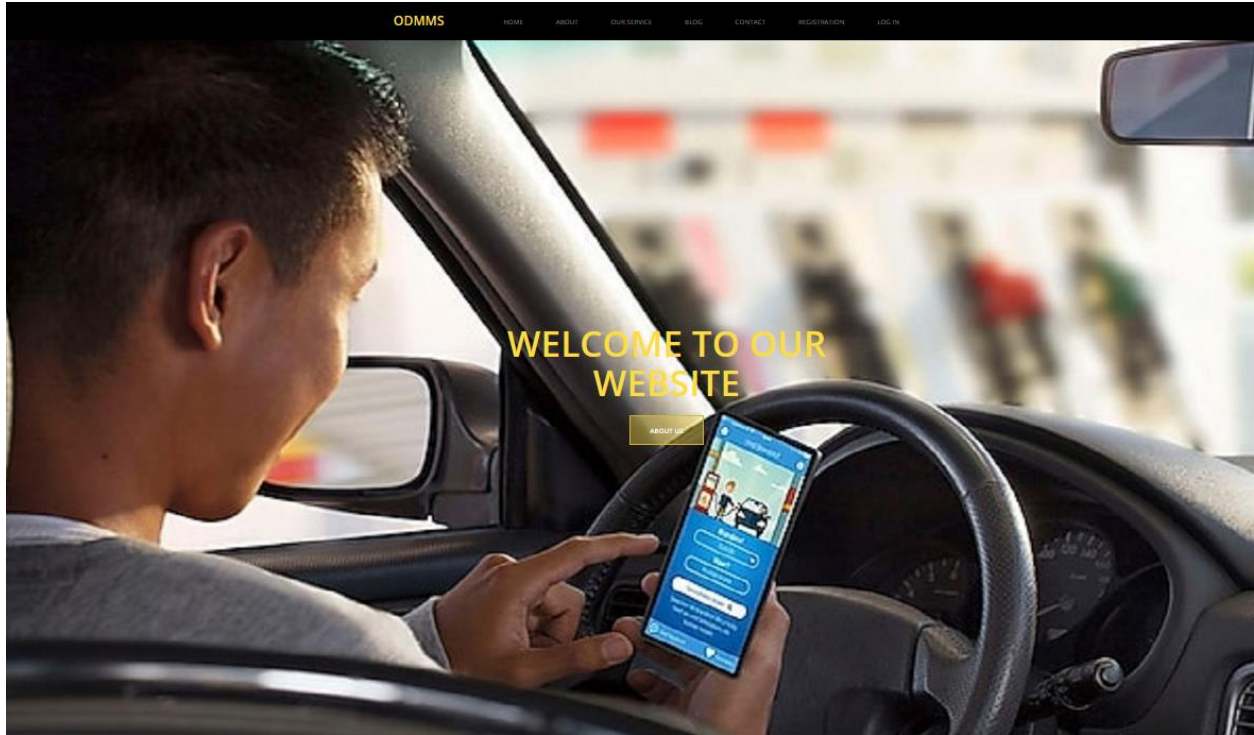


Figure 18: System Interface of home page



DRIVER & MACHANIC









 <p>HL TM A MACHANIC Name: Fandi Hossain Location: Bengali, Dhaka DETAILS</p>	 <p>HL TM A DRIVER Name: Abdul Akad Location: Bengali, Dhaka DETAILS</p>	 <p>HL TM A MACHANIC Name: Shamsur Rahman Location: Shamsur Rahman DETAILS</p>	 <p>HL TM A DRIVER Name: Saiful Islam Location: Sadiya DETAILS</p>
			

Figure 19: System Interface of full home page

SPECIAL SERVICE

Choose Your Zone

- Azimpur
- Badda
- Bangsal
- Bimanbandar
- Cantonment
- Chowkbazar
- Darus Salam
- Demra
- Dharamondi
- Gandaria
- Gulshan
- Hazarbagh
- Kalabagan
- Mirpur
- Muhammadpur
- Motijheel
- New Market
- Pantliapath















 <p>HI, I'M A MECHANIC</p> <p>Name: Paruk Hossain Location: Bangsal, Dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A DRIVER</p> <p>Name: Abdul Ahad Location: Bangsal, Dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A MECHANIC</p> <p>Name: Shamour Mahman Location: Shamour Mahman</p> <p>DETAILS</p>
 <p>HI, I'M A DRIVER</p> <p>Name: Sadique Islam Location: Badda</p> <p>DETAILS</p>	 <p>HI, I'M A MECHANIC</p> <p>Name: Kerni Ahamed Location: Azimpur, Dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A DRIVER</p> <p>Name: Shoukath Huda Location: Azimpur, Dhaka</p> <p>DETAILS</p>
 <p>HI, I'M A DRIVER</p> <p>Name: Mohi Miya Location: Gulshan</p> <p>DETAILS</p>	 <p>HI, I'M A MECHANIC</p> <p>Name: Joy miy Location: dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A DRIVER</p> <p>Name: Kabir Molla Location: Dharamondi</p> <p>DETAILS</p>
 <p>HI, I'M A DRIVER</p> <p>Name: Jubbar Ali Location: dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A MECHANIC</p> <p>Name: Khan Sharif Location: Pantigala</p> <p>DETAILS</p>	 <p>HI, I'M A DRIVER</p> <p>Name: Abul Hader Location: Badda</p> <p>DETAILS</p>
 <p>HI, I'M A DRIVER</p> <p>Name: Joy miy Location: dhaka</p> <p>DETAILS</p>	 <p>HI, I'M A MECHANIC</p> <p>Name: Joy miy Location: dhaka</p> <p>DETAILS</p>	

Figure 20: Service page of mechanic and driver

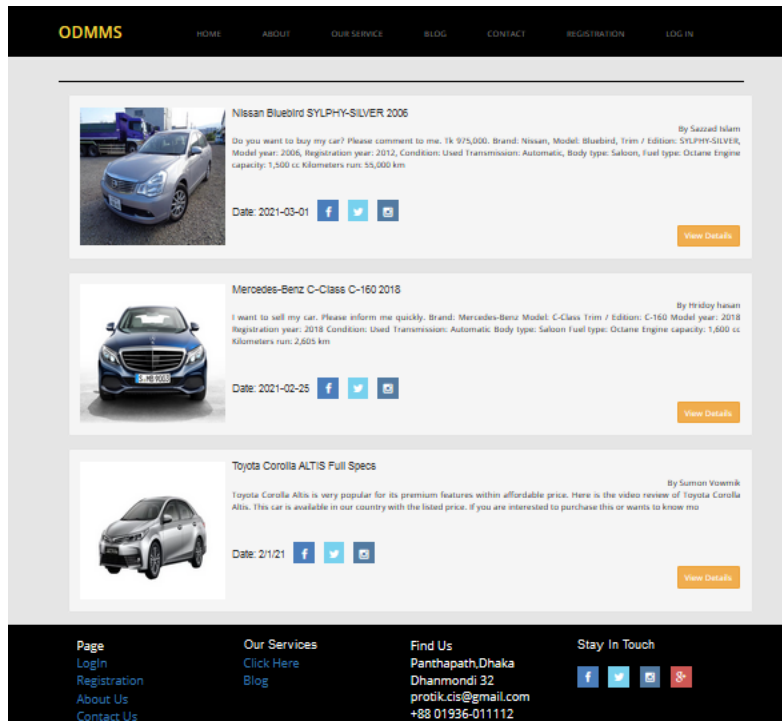


Figure 21: System interface of blog page

SPECIAL SERVICE

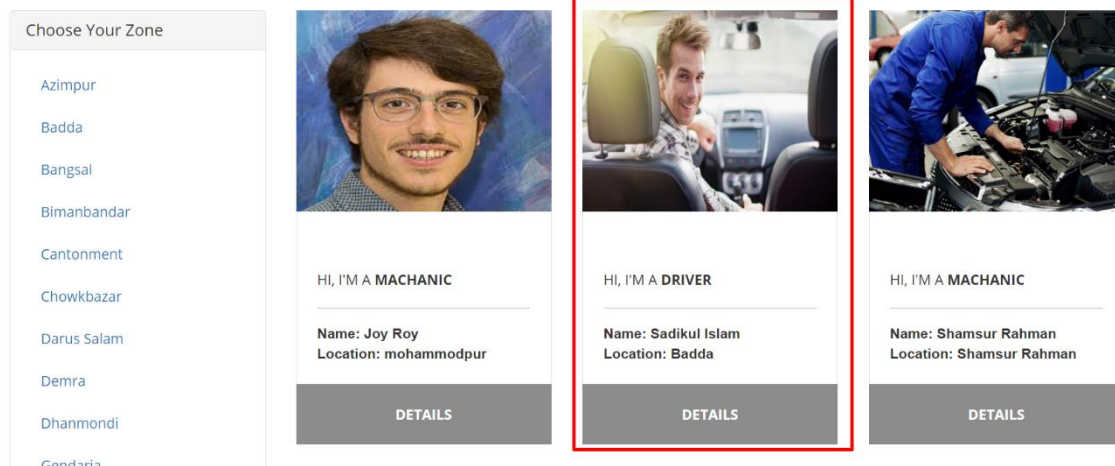



Figure 22: System interface of Mechanic page


SPECIAL SERVICE

Choose Your Zone


- Azimpur
- Badda
- Bangsai
- Bimanbandar
- Cantonment
- Chowkbazar



HI, I'M A MACHANIC




HI, I'M A DRIVER



HI, I'M A MACHANIC

Figure 23: Area wise mechanic and driver



1	Name	Sadikul Islam
2	Current Location	Badda
3	Phone Number	01788236960
4	Zone	Badda
5	Working Experience	Four Years
6	Permanent Address	Sirajgonj
7	Working Time	03.00pm-06.00pm
8	Expert in	Car

Hire Now
More

Figure 24: User profile update page

Figure 25: System interface of Login page

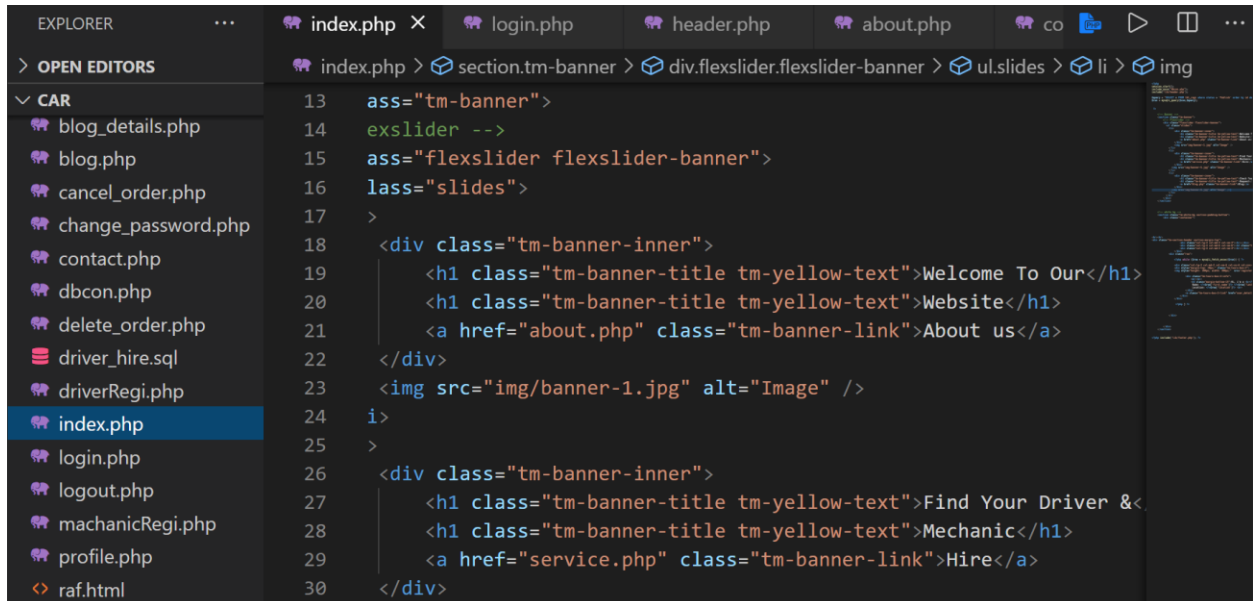
Figure 26: registration page for mechanic

Chapter 10 – Deployment / Development

The list of problems breaks down are explained in this chapter.

Core Module Coding Samples

The system is created with PHP language and the project has met its goal and objectives fully. The sample of code is give below:



```

EXPLORER
... index.php X login.php header.php about.php co
> OPEN EDITORS
index.php > section.tm-banner > div.flexslider.flexslider-banner > ul.slides > li > img
CAR
blog_details.php
blog.php
cancel_order.php
change_password.php
contact.php
dbcon.php
delete_order.php
driver_hire.sql
driverRegi.php
index.php
login.php
logout.php
mechanicRegi.php
profile.php
raf.html
13 ass="tm-banner">
14 exslider -->
15 ass="flexslider flexslider-banner">
16 lass="slides">
17 >
18 <div class="tm-banner-inner">
19 <h1 class="tm-banner-title tm-yellow-text">Welcome To Our</h1>
20 <h1 class="tm-banner-title tm-yellow-text">Website</h1>
21 <a href="about.php" class="tm-banner-link">About us</a>
22 </div>
23 
24 i>
25 >
26 <div class="tm-banner-inner">
27 <h1 class="tm-banner-title tm-yellow-text">Find Your Driver &
28 <h1 class="tm-banner-title tm-yellow-text">Mechanic</h1>
29 <a href="service.php" class="tm-banner-link">Hire</a>
30 </div>

```

Figure 27: Code of home page

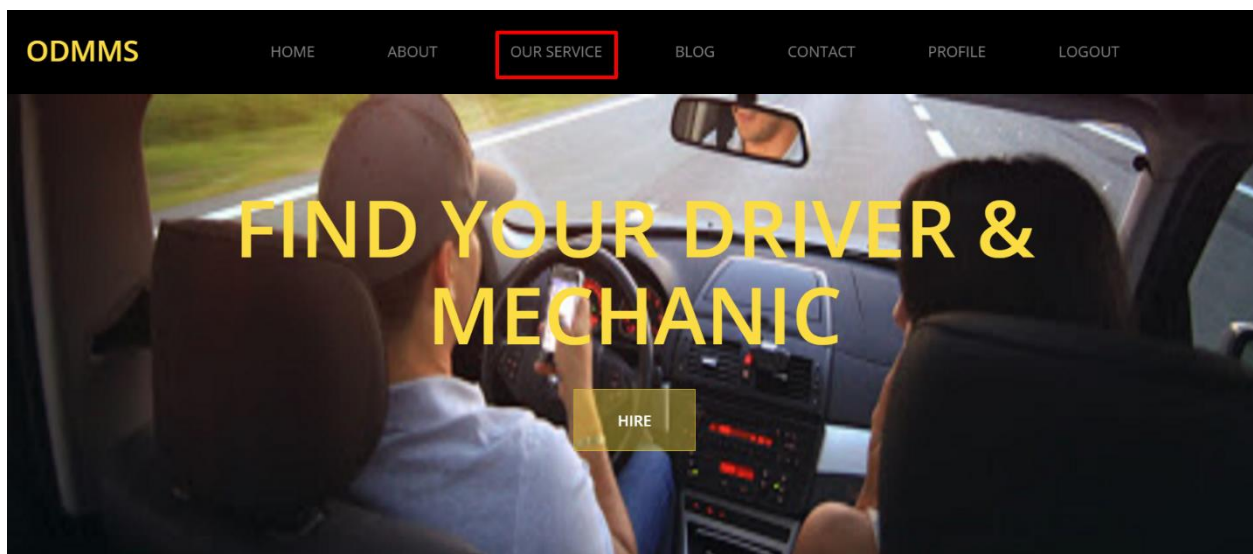


Figure 28: Home page view

```

EXPLORER
... np
login.php header.php about.php blog.php x
OPEN EDITORS
CAR
register_person_image
about.php
available_work.php
blog_details.php
blog.php
cancel_order.php
change_password.php
contact.php
dbcon.php
delete_order.php
driver_hire.sql
driverRegi.php
index.php
login.php
logout.php

blog.php > ...
1 <?php
2 session_start();
3 include('lib/header.php');
4 include_once("dbcon.php");
5
6 $query = "SELECT * FROM blog order by id desc";
7 $run = mysqli_query($con,$query);
8
9 ?>
10
11
12
13
14
15 <div id="content"> <!-- content start -->
16 <div class="container"> <!-- container start -->
17 <br>
18
19
20

```

Figure 29: Blog page code

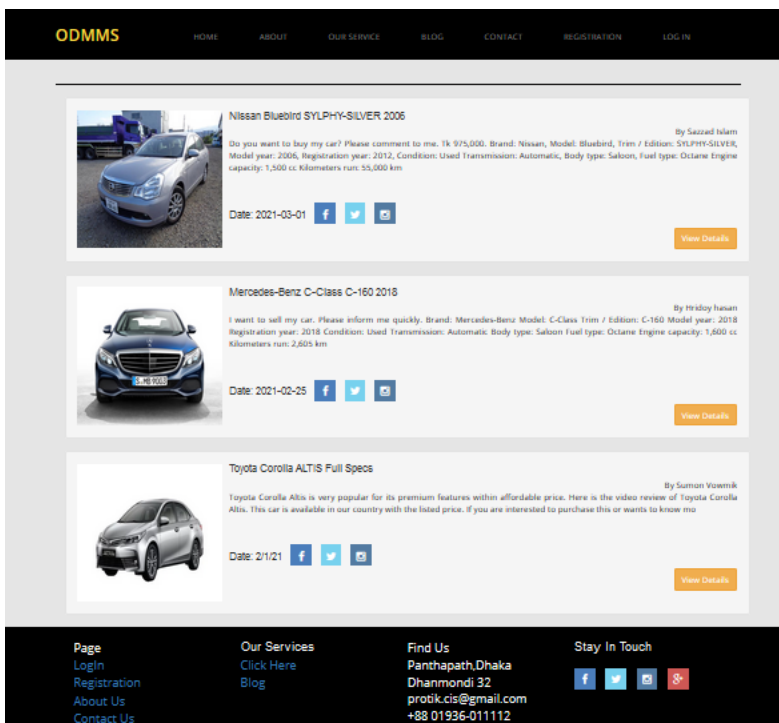


Figure 30: Blog page view

```

1 <?php
2 session_start();
3 include('lib/header.php');
4 include_once("dbcon.php");
5
6
7
8
9 <br>
10 <div class="col-md-12"> <!-- col-md-9 start -->
11 <div class="box"> <!-- box start -->
12 <div class="box-header"> <!-- box-header start -->
13 <center>
14 <h1 style="color: #000000; text-shadow: 6px 3px 7px #354214;">
15 </center>
16 <br><br>
17 </div> <!-- box-header end -->
18 <form action="" method="post" enctype="multipart/form-data"
19 <div class="col-md-12">

```

Figure 31: Mechanic profile page code

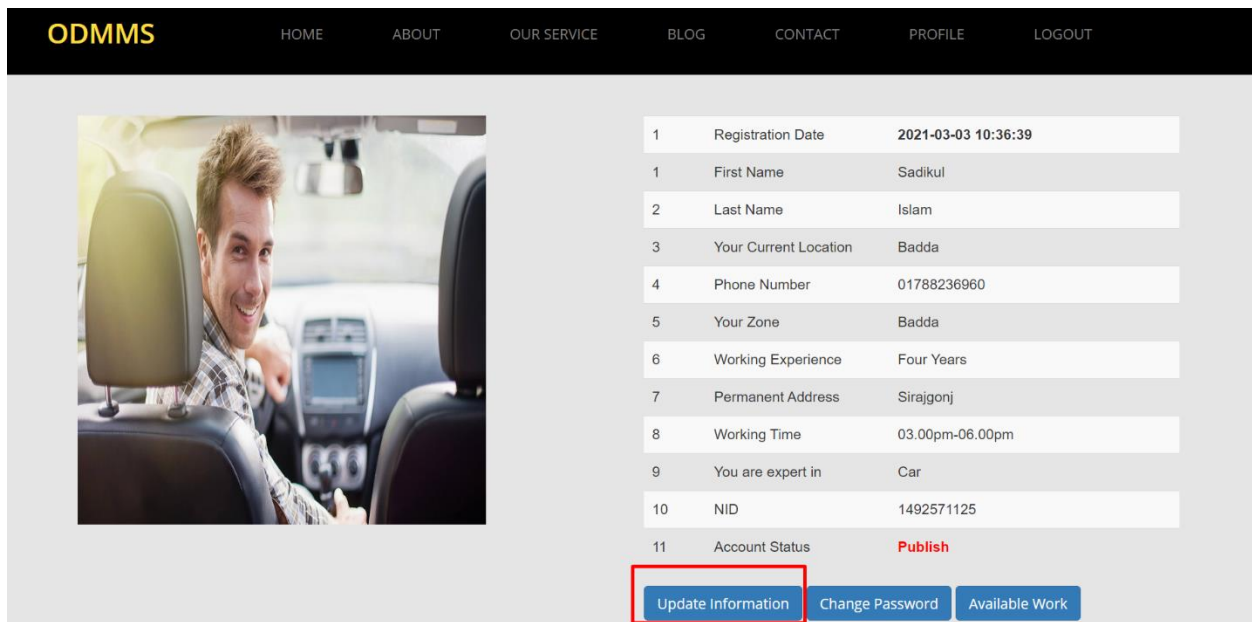


Figure 32: Mechanic profile view page

Possible problem breaks down

Development works is about finding the problem and make the way of solution. Coding part are challenging for everyone. During the development of my system I have faced lot of problems. Some of these are resolved and some of these aren't solved yet. The problems I faced and solved are listed below:

Problem 01: Proper validation of the fields is not deployed so that message cannot show properly.

Solution: For solving this problem in background I have used PHP and JavaScript. By using these I provide a message for user that their data is submitted into database properly.

Problem 02: Schedule and availability update is needed after hiring a driver or mechanic.

Solution: MySQL database are implemented with query for handle the schedule and availability update data.

Problem 03: For hiring driver and mechanic, user needs to search them based on their address and need to show related information.

Solution: For searching I have used functions of JavaScript and AJAX code.

As DSDM methodology was used for developing the project, so iterative development reviewed the stages and find out the problem are that make the running smooth. The identified problem that was found in each time box is explained below:

Time Boxes	Name	Discussion
TB-01	Database Design	Entity Relationship diagram (ERD) is made for running the system of this project.
TB-02	Design of Interface	We system are dependent on the well and organized interface design, it attracts users.
TB-03	Implementation	Implementations are the main part of creating a project. Here systems are created to run the project business.
TB-04	Validation and verification	Systems features are fully worked with validations of features. For each function - verification are needed to run the operation smoothly

Chapter 11 – Testing

Test Case

Software testing is a process conducted to provide quality software to the organizations. It is very important term in system engineering.

Unit Testing (2 to 3)

Unit testing is a type of testing where individual units are tested.

In this part, I have completed unit testing of this system to ensure whether the system function is working properly or not. During testing I have found out some problems. All the things are described in below:

Unit Testing 1		Test class: Registration	Designed by: Protik Ghosh	
Data source: User Input		Objective: Registration	Tester: PROTIK GHOSH SUJOY	
Test case	Description	Tasks	Expected Result	Actual Result
1.1	Test registration function	Enter User Details: First Name: Protik Email: Protik 1234@gmail.com Password:123456@#	All the inputs are inserted into the database.	All data are inserted and user registration is successful.

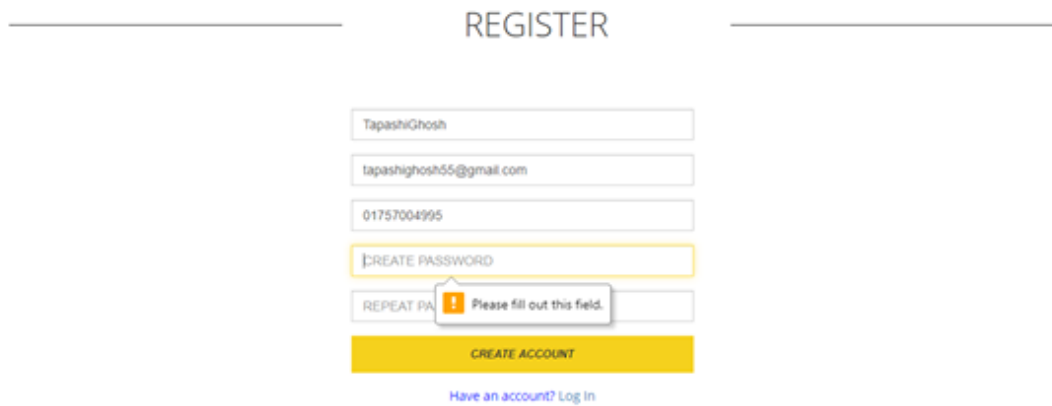


Figure 33: Registration page

Unit Testing 2		Test class: Registration		Designed by: PROTIK	
Data source: User Input		Objective: Email validation		Tester: PROTIK GHOSH SUJOY	
Test case	Description	Tasks		Expected Result	Actual Result
1.2	Test registration function	Enter User Details: First Name: Protik Email: Protik1234@ Password:123456@#		Inputs aren't inserted into the database.	Data aren't inserted because Email is not valid

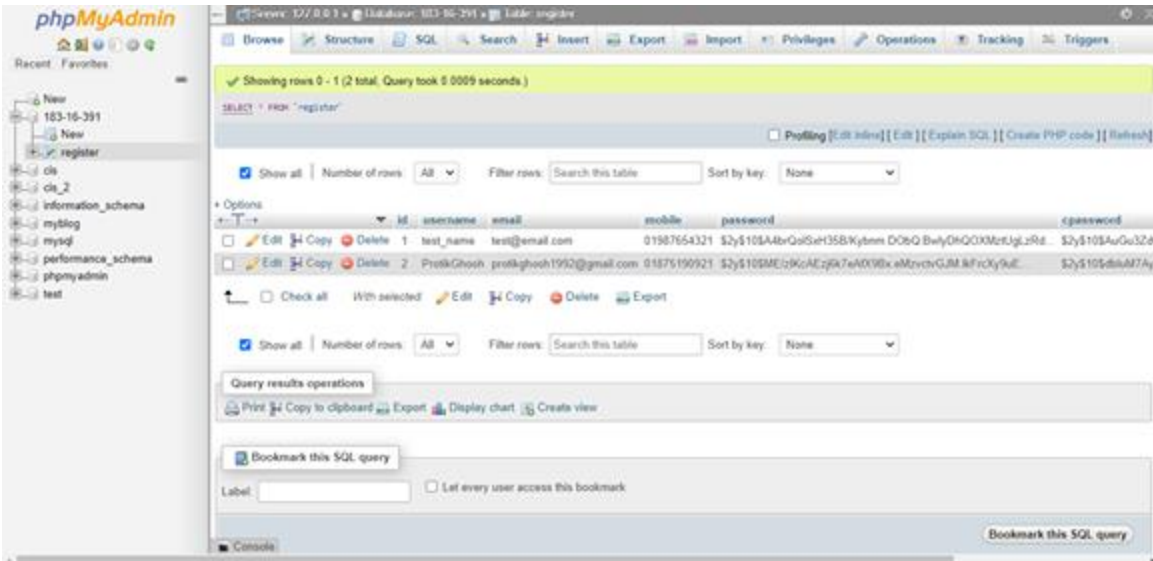


Figure 34: Database of user

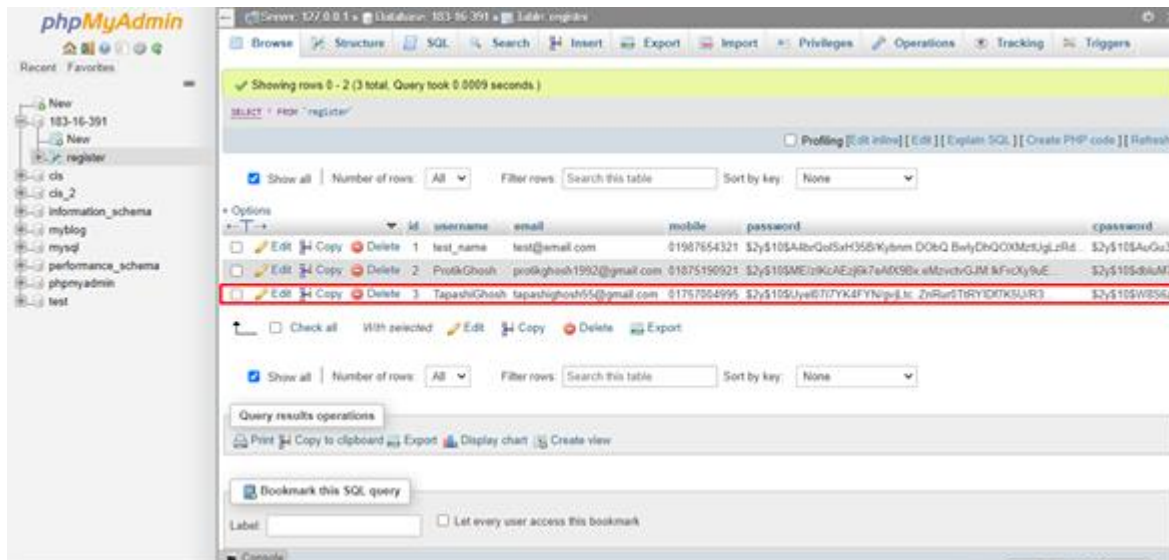


Figure 35: Validation

Unit Testing 3		Test class: Login	Designed by: PROTIK	
Data source: User Input		Objective: Successfully login	Tester: PROTIK GHOSH SUJOY	
Test case	Description	Tasks	Expected Result	Actual Result

1.5	Test login function	Enter User Details: Email: Protik1234@gmail.com Password:123456@#	Login successfully	Logged in successfully
-----	---------------------	----------------------------------------------------------------------------	--------------------	------------------------

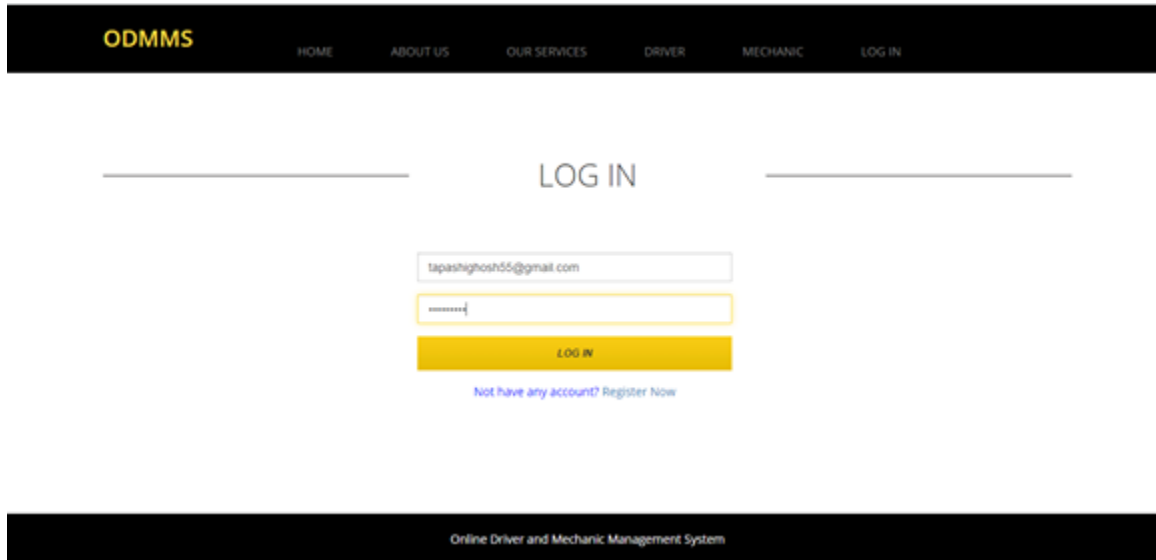


Figure 36: Login page

Module Testing (2 to 3)

Module Testing 1		Test class: Login	Designed by: PROTIK	
Data source: User Input		Objective: Successfully login	Tester: PROTIK GHOSH SUJOY	
Test case	Description	Tasks	Expected Result	Actual Result
1.6	Test login function	Enter User Details: Email: Protik1234@gmail.com Password:123456@#	Connection message shown	Connection message shown

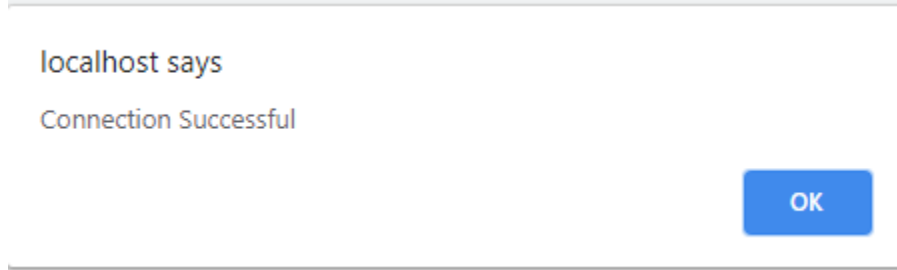


Figure 37: User authentication message

Module Testing 2		Test class: Registration	Designed by: Protik Ghosh	
Data source: User Input		Objective: Registration	Tester: PROTIK GHOSH SUJOY	
Test case	Description	Tasks	Expected Result	Actual Result
1.1	Test registration function	Enter User Details: First Name: Protik Email: Protik 1234@gmail.com Password:123456@#	Input message shown	Input message shown

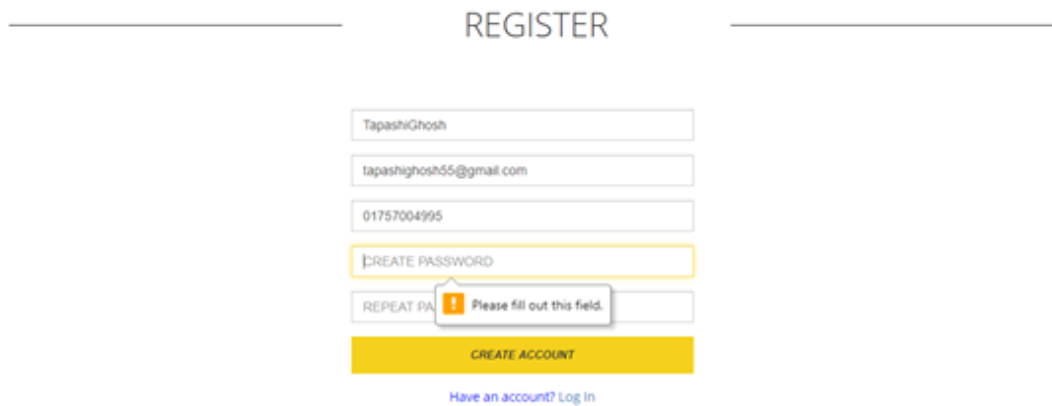


Figure 38: Input warning message

Integration Testing (2 to 3)

Integration testing is a kind of testing where individual units are combined and it tested as a group.

Integration Testing 1			Designed by: PROTIK	
Test case	Description	Tasks	Expected Result	Actual Result
2.1	Check whether log in or not	Complete registration first then try to login	Login successfully	Successfully logged in

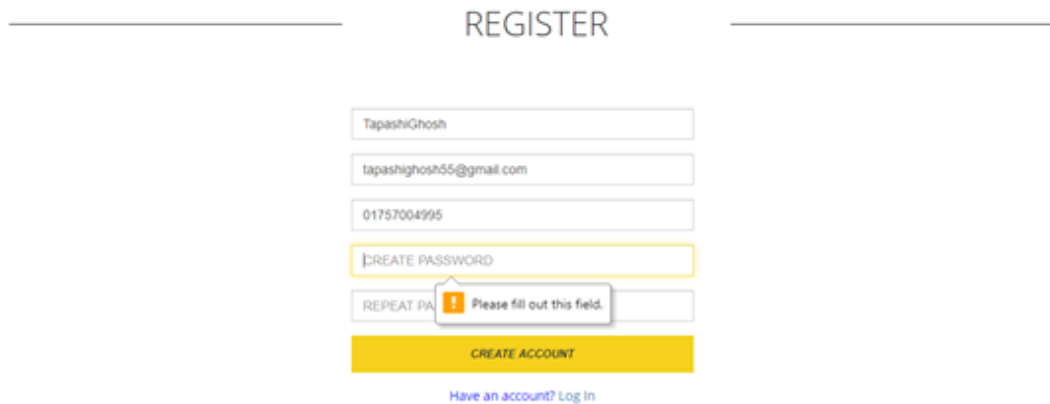


Figure 39: Registration page for integration testing

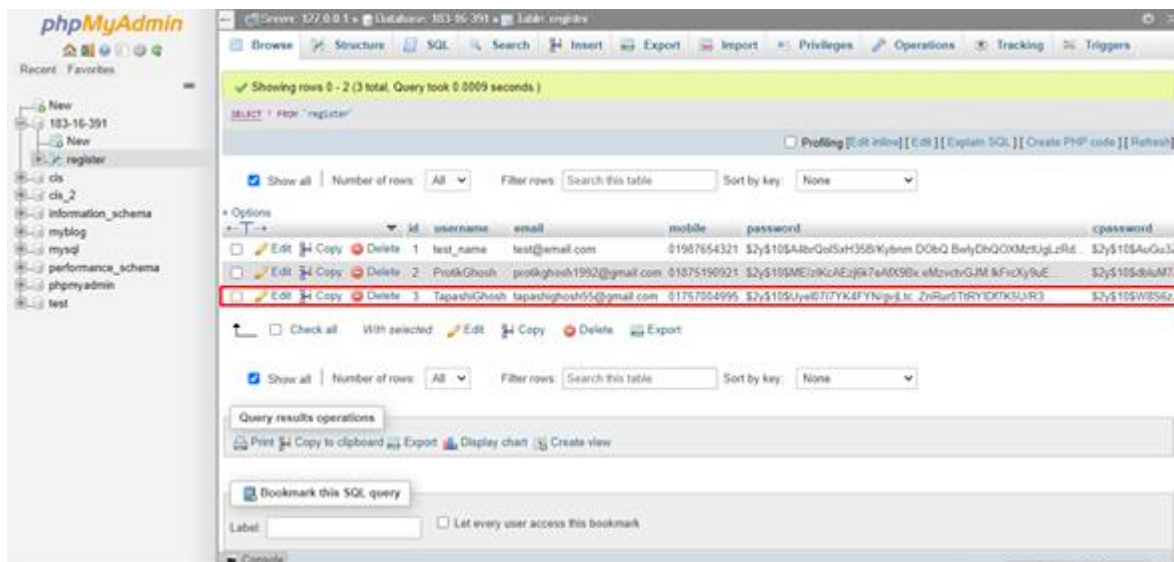


Figure 40: Validation for integration testing

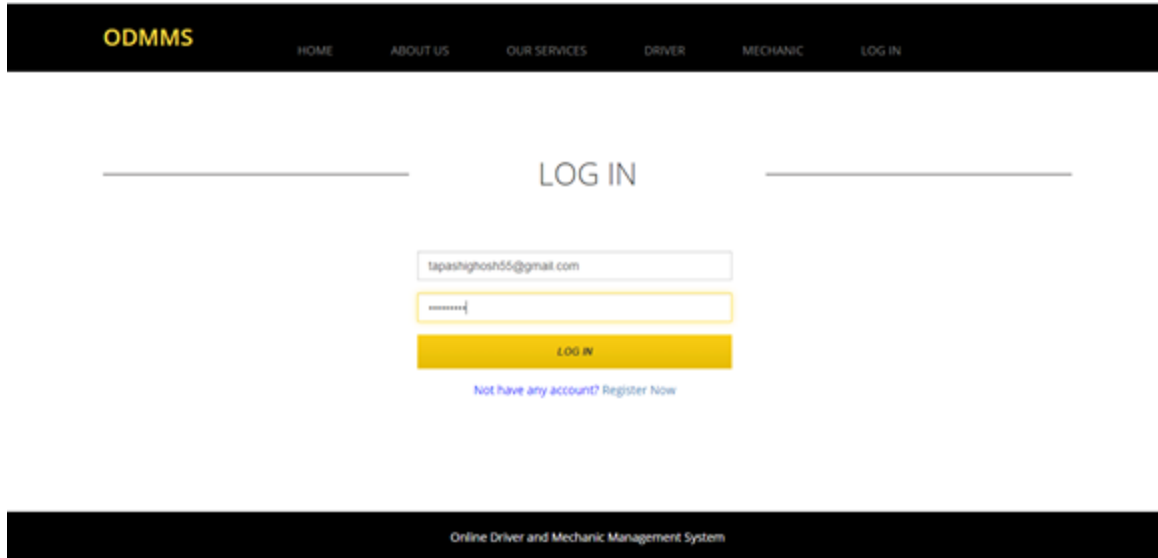


Figure 41: User login page for integration testing

Integration Testing 2		Mechanic Registration	Designed by: PROTIK	
Test case	Description	Tasks	Expected Result	Actual Result
2.1	Check whether log in or not	Complete registration first then try to login	Login successfully	Successfully logged in

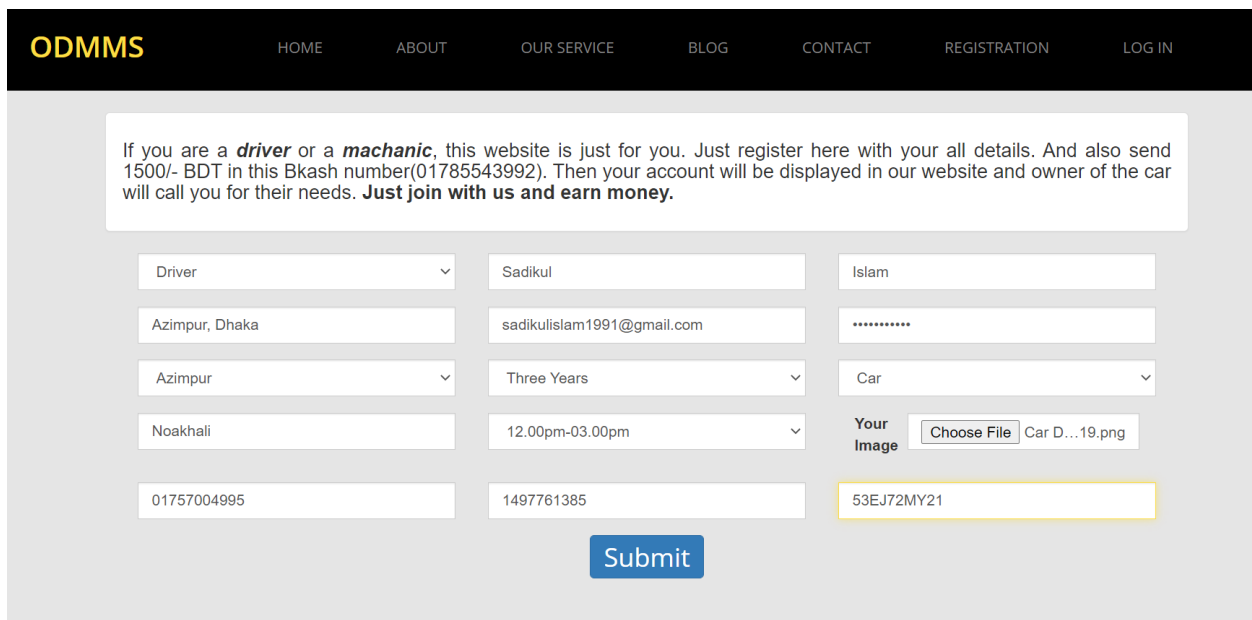


Figure 42: Mechanic register

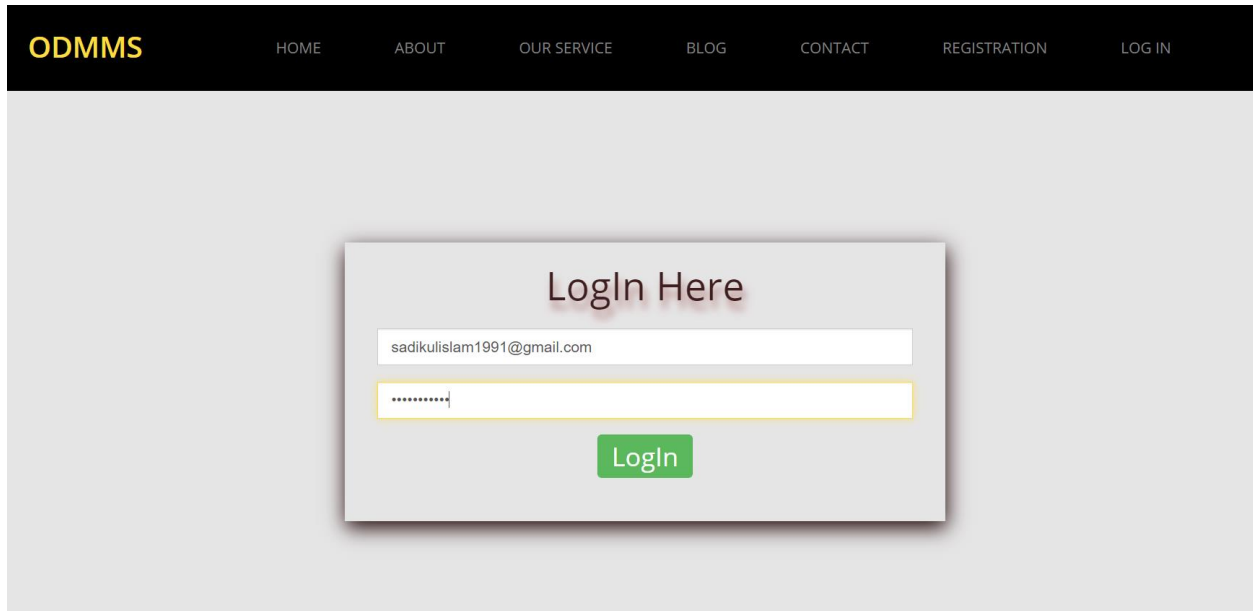


Figure 43: Login as a mechanic

Chapter 12 – Implementation

Training

Training is essential part for making the user understand about the usability of the system. System needs to interact with users and they have to understand about system. User need to know about the operations and functionality of the system. In this chapter I have made the training plan of the system. In the training session user are perform practically and plan session makes the training efficient.

For proper instructions provided in this documentation, presentation slide would be the best way to present the system perfectly. Here I have created the plan for training. The project manager will be able to follow these systems and make training session successfully.

Training Plan

- ✓ User is assembled for a session to get practical experience about this system.
- ✓ Hard documents will be shared with every perspective person.
- ✓ Slides are shared for explaining about the system.
- ✓ User, admin, moderator or authority will join the training session.

Big Bang (no pilot, parallel implementation scheme)

Cutover approach is basically transition from one phase of business enterprise. There are many approaches of cutover from development architecture to the implementation architecture. Some of cutover approaches are described in below:

- Parallel Cutover Approach: Parallel cutover approaches allow us to run two systems at a time. It can use for run new system beside the old one and you can also compare performance between them. It is very easy to find out and handle problems in new system by using this approach.
- Pilot Cutover Approach: This approach refers to launch a small portion of new system in an organization. If it is helpful for this organization, then implement the system widely.
- Phase Schema Cutover Approach: This approach takes long time to implement system properly. Because here one system is implemented for once. That's why it takes too much time to implement a system properly.
- Big bang/Direct Cutover Approach: This approach refers that removed old one and deploy new one. Here existing project is removed completely then deploy new one.

To develop this project, I have used Big bang approach. This approach helps me to run to change old system until the new system were implemented properly.

Chapter 13 – Critical Appraisal and Evaluation

Objective that could be met

Success rate against each objective

The system is created as planned. According to my opinion the functionalities are developed properly. Success rate is given below:

Success name	Rate	Satisfaction level
Features are developed	100%	Satisfied
User interaction	97%	Satisfied
Security management	95%	Satisfied
Admins accessibility and maintenance process	100%	satisfied

How much better could have been done

The project is created as expected. According to my opinion the project is done in my best. All the functionalities are working accordingly.

- ✓ Registration and login is done easily
- ✓ The driver and mechanic information can be found easily
- ✓ Driver and mechanic schedule and availability are seen perfectly.
- ✓ Driver and mechanic can be hired easily
- ✓ Blog is written and publish in the site.
- ✓ Payment system is smooth

How better are the features of the solution?

- All input field have validation. That's why there is much better security.
- Both user and admin authentication and also authenticate their access on different part.
- Faster and easy access to both user and admin
- Get necessary materials easily
- Manage all the user and their subscription easily
- Show all the information about driver and mechanic directly in this site
- As a web based system access, this site can be used from all over the world with internet

Which features could not be touched

I have completed this system fully, but for business purpose it can be developed more and can expand the business. So, improvement plan of the system need to be made. There are lot of things to develop in future. I have just completed a small portion of my proposed system. Most of features are pending. I will develop them in future. Later I will make it mobile app also. That's why I have used web API

List of functionality which I will develop in future:

- Live chat: There will be live chat option. So that user can get to talk with the driver and mechanic directly.
- User blog: There will be a user blog where user can post for help and rest users will try to help him.
- Like & comment feature against each post. That will encourage the user to share their necessity.
- There will be a dynamic rating system for user review about their overall service and behavior.
- The user will be suggested with the nearest possible users according to their requirements. Some other functions will be added also

Chapter 14 – Conclusion

Summary of the project

The project is about online driver and mechanic management system. It will provide the service of driver and mechanic so that vehicle owners will be able to find mechanic and driver easily in 24/7 hours. The drivers and mechanics also be able to make extra money by providing part time services. The system will provide the driver and mechanics work schedule and availability so that owner can check if the driver is available or not. The system is well secured. A fixed amount of charge is fixed for using the service so that user pays get the service of the system by paying money. Hirer will be able to see the review and ratings of driver and mechanics' services. The hirer will be able to pay for the service via the system.

The system is created by using DSDM methodology. The PHP language is used for building the system and html and CSS is used for making the interface. The system is created in the certain time limit

Goal of the project

The main goal of the project is explained below:

- ✓ Provide driver and mechanic via online
- ✓ Make an easy way to find the service from any where
- ✓ Make working sector for the driver and mechanic.
- ✓ Save owners money on finding urgent driver
- ✓ Make easy to find mechanic even in a rural area

My experience

As a student of Computing information and system, I was not that much literate about software development. But in time of developing this system, I have found out the real use of agile framework, DSDM, iterative development. Before I have created architectural diagram as the requirements of my assignment, which was based on scenario. But here I have created architectural diagrams for real project. And I have also used the diagrams for getting necessary functionalities and designing database. And finally I have learned a lot about database management while developing the project. I was familiar with PHP language but after completing this project I have learned a lot that will help me to develop any type of software project.

Appendices

Test Scripts

Integration testing:

Integration testing is a kind of testing where individual units are combined and it tested as a group.

Integration Testing 1		Designed by: PROTIK		
Test case	Description	Tasks	Expected Result	Actual Result
2.1	Check whether log in or not	Complete registration first then try to login	Login successfully	Successfully logged in

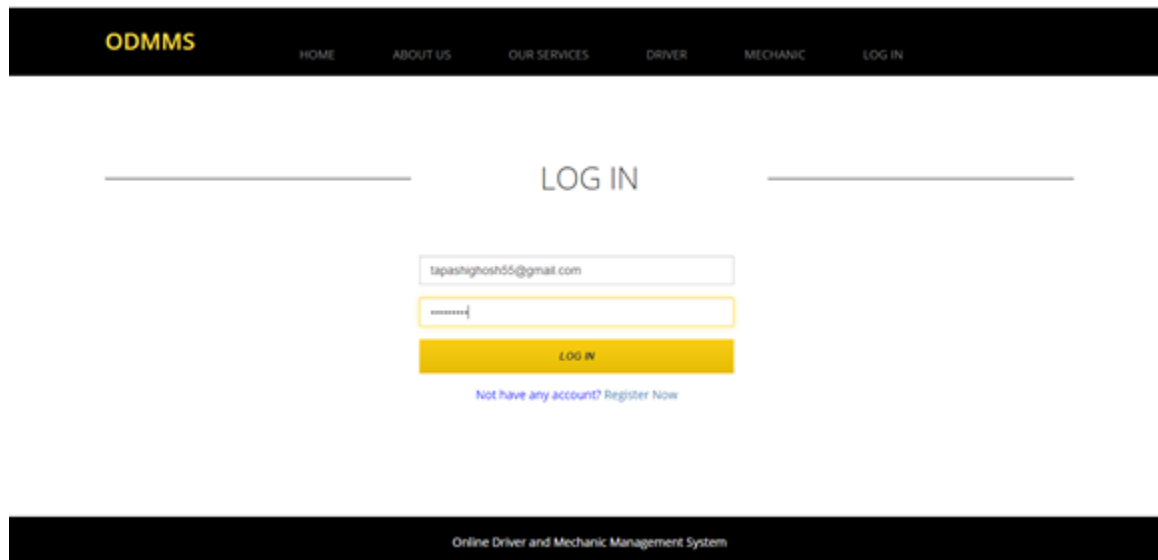


Figure: Successfully Log in

User Guide

System user guide helps any developer to create end user help documentation. A default help page is provided in the base system that helps to browse the system properly. As a technical person hope admin knows everything.

Guide for users:

- I. Registration
- II. login
- III. Choose user type
- IV. Search the nearby driver and mechanic
- V. Check availability of driver and
- VI. Click on hiring option

- VII. Discard hiring option
- VIII. log off from the system

System Code

```

13  <div class="tm-banner">
14  <div class="flexslider">
15  <ul class="slides">
16  <li>
17  <div class="tm-banner-inner">
18  <h1 class="tm-banner-title tm-yellow-text">Welcome To Our</h1>
19  <h1 class="tm-banner-title tm-yellow-text">Website</h1>
20  <a href="about.php" class="tm-banner-link">About us</a>
21  </div>
22  </li>
23  <li>
24  <div class="tm-banner-inner">
25  <h1 class="tm-banner-title tm-yellow-text">Find Your Driver &
26  <h1 class="tm-banner-title tm-yellow-text">Mechanic</h1>
27  <a href="service.php" class="tm-banner-link">Hire</a>
28  </div>
29  </li>
30  </ul>
  
```

```

1  <?php
2  session_start();
3  include('lib/header.php');
4  include_once("dbcon.php");
5  ?
6
7
8
9  <br>
10 <div class="col-md-12"> <!-- col-md-9 start -->
11 <div class="box"> <!-- box start -->
12 <div class="box-header"> <!-- box-header start -->
13 <center>
14 <h1 style="color: #000000; text-shadow: 6px 3px 7px #354214;">
15 </center>
16 <br><br>
17 </div> <!-- box-header end -->
18 <form action="" method="post" enctype="multipart/form-data">
19 <div class="col-md-12">
  
```

```

1  <?php
2  session_start();
3  include('lib/header.php');
4  include_once("dbcon.php");
5
6  $query = "SELECT * FROM blog order by id desc";
7  $run = mysqli_query($con,$query);
8
9  ?>
10
11
12
13
14
15  <div id="content"> <!-- content start -->
16  <div class="container"> <!-- container start -->
17  <br>
18
19

```

```

1  <?php
2  session_start();
3  include('lib/header.php');
4  include_once("dbcon.php");
5  $id = $_GET['id'];
6  $query = "SELECT * FROM blog WHERE id = $id";
7  $run = mysqli_query($con,$query);
8  $row = mysqli_fetch_assoc($run);
9
10  ?>
11
12
13
14
15
16  <div class="container">
17  <div class="well">
18
19  <div class="media">

```

```

EXPLORER
...
header.php about.php blog_details.php contact.php X
> OPEN EDITORS
contact.php > section.tm-banner > div.flexslider.flexslider-banner > ul.slides > li > div.tm-b
1
2 t();
3 /header.php');
4 ("dbcon.php");
5
6
7 <!--
8 class="tm-banner">
9 Flexslider -->
10 class="flexslider flexslider-banner">
11 <ul class="slides">
12 <li>
13 <div class="tm-banner-inner">
14 <h1 class="tm-banner-title tm-yellow-text">Contact us</h1>
15 </div>
16 
17 </li>
18 </ul>
19 </div>

```

```

EXPLORER
...
header.php about.php contact.php driverRegi.php X
> OPEN EDITORS
driverRegi.php > ...
1 <?php
2 session_start();
3 include('lib/header.php');
4 include_once("dbcon.php");
5 <?php
6
7
8
9 <br>
10 <div class="col-md-12"> <!-- col-md-9 start -->
11 <div class="box"> <!-- box start -->
12 <div class="box-header"> <!-- box-header start -->
13 <center>
14 <h1 style="color: #000000; text-shadow: 6px 3px 7px #35421d;">
15 </center>
16 <br><br>
17 </div> <!-- box-header end -->
18 <form action="" method="post" enctype="multipart/form-data">
19 <div class="col-md-12">

```



```

1  <?php
2  ob_start();
3  session_start();
4  include_once("dbcon.php");
5  include('lib/header.php');
6
7
8  ?>
9
10
11
12
13  <br><br><br><br><br><br>
14
15
16  <div id="content">
17      <div class="container"> <!-- container start -->
18
19

```

```

1  //<?php
2
3  //session_start();
4
5  //session_destroy();
6  //header("location: login.php");
7
8  //?>
9
10 <?php
11 session_start();
12 $_SESSION['login']="";
13 session_unset();
14 $_SESSION['action1']="You have logged out successfully..!";
15 ?>
16 <script language="javascript">
17 document.location="login.php";
18 </script>
19

```

```

EXPLORER
... login.php machanicRegi.php X header.php about.php
> OPEN EDITORS
machanicRegi.php > ...
1 <?php
2 session_start();
3 include('lib/header.php');
4     include_once("dbcon.php");
5
6
7
8
9 <br>
10 <div class="col-md-12"> <!-- col-md-9 start -->
11     <div class="box"> <!-- box start -->
12         <div class="box-header"> <!-- box-header start -->
13             <center>
14                 <h1 style="color: #000000; text-shadow: 6px 3px 7px #350000;">
15             </center>
16             <br><br>
17         </div> <!-- box-header end -->
18     <form action=" " method="post" enctype="multipart/form-data"
19     <div class="col-md-12">

```

```

EXPLORER
... login.php profile.php X header.php about.php cc
> OPEN EDITORS
profile.php > ...
1 <?php
2 session_start();
3 include('lib/header.php');
4
5 $id = $_SESSION["id"];
6 include('dbcon.php');
7 $query = "SELECT * FROM tbl_regi WHERE id = '$id'";
8 $run = mysqli_query($con,$query);
9 $std = mysqli_fetch_assoc($run);
10
11
12
13
14 <div class="container">
15
16     <div class="card">
17         <br><br>
18         <div class="card-body">
19

```

```

1  <?php
2  session_start();
3  include('lib/header.php');
4  include_once("dbcon.php");
5  ?>
6
7
8  <br>
9      <div class="col-md-12"> <!-- col-md-9 start -->
10         <div class="box" style="width: 1000px; margin: 0 auto"> <!--
11             <div class="box-header"> <!-- box-header start -->
12
13
14         </div> <!-- box-header end -->
15
16
17
18     <div class="panel panel-default">
19     <div class="panel-body">

```

```

1  <?php
2  session_start();
3  include_once("dbcon.php");
4  include('lib/header.php');
5
6  $query = $_GET['user_query'];
7
8  $sql = $sql="SELECT * FROM tbl_regi WHERE zone = '$query' ";
9  $result = mysqli_query($con,$sql);
10
11
12  ?>
13
14
15
16     <!-- white bg -->
17     <section class="tm-white-bg section-padding-bottom">
18         <div class="container">

```

```

EXPLORER  ...  >php  change_password.php  search_result.php  service.php X
> OPEN EDITORS
CAR
  delete_order.php
  driver_hire.sql
  driverRegi.php
  index.php
  login.php
  logout.php
  mechanicRegi.php
  profile.php
  raf.html
  raf.php
  regi.php
  search_result.php
  service.php
  update_profile.php
  user_details.php
service.php > ...
1  <?php
2  session_start();
3  include_once("dbcon.php");
4  include('lib/header.php');
5
6  $query = "SELECT * FROM tbl_regi where status = 'Publish' order by
7  $run = mysqli_query($con,$query);
8
9
10 ?>
11
12
13
14  <!-- white bg -->
15  <section class="tm-white-bg section-padding-bottom">
16    <div class="container">
17      <div class="row">
18        <div class="tm-section-header section-margin-top">
19        <div class="col-lg-4 col-md-3 col-sm-3"><hr></div>

```

```

EXPLORER  ...  change_password.php  search_result.php  update_profile.php X
> OPEN EDITORS
CAR
  delete_order.php
  driver_hire.sql
  driverRegi.php
  index.php
  login.php
  logout.php
  mechanicRegi.php
  profile.php
  raf.html
  raf.php
  regi.php
  search_result.php
  service.php
  update_profile.php
  user_details.php
update_profile.php > ...
1  <?php
2  session_start();
3  include('lib/header.php');
4
5  $id = $_SESSION["id"];
6  include('dbcon.php');
7  $query = "SELECT * FROM tbl_regi WHERE id = '$id'";
8  $run = mysqli_query($con,$query);
9  $std = mysqli_fetch_assoc($run);
10
11 ?>
12
13
14
15 <br>
16 <div class="col-md-12" > <!-- col-md-9 start -->
17 <div class="box" style="width: 800px; margin: 0 auto" > <!--
18 <div class="box-header"> <!-- box-header start -->
19

```

```

EXPLORER  ...  change_password.php  search_result.php  user_details.php X
> OPEN EDITORS
CAR
  delete_order.php
  driver_hire.sql
  driverRegi.php
  index.php
  login.php
  logout.php
  mechanicRegi.php
  profile.php
  raf.html
  raf.php
  regi.php
  search_result.php
  service.php
  update_profile.php
  user_details.php
user_details.php > ...
1  <?php
2  session_start();
3  include('lib/header.php');
4
5  $id = $_GET['id'];
6  include('dbcon.php');
7  $query = "SELECT * FROM tbl_regi WHERE id = '$id'";
8  $run = mysqli_query($con,$query);
9  $std = mysqli_fetch_assoc($run);
10 ?>
11
12
13
14 <div class="container">
15
16   <div class="card">
17     <br><br>
18     <div class="card-body">
19

```

References

Cohen, B. (2020) *Bizfluent*, 26 September, [Online], Available: <https://bizfluent.com/list-6781448-advantages-disadvantages-ssadm.html> [21 April 2020].

INVESTOPEDIA (2018), [Online], Available: <https://www.investopedia.com/terms/f/feasibility-study.asp> [21 April 2018].

Lee, C. (2017), 25 September, [Online], Available: <https://www.simplilearn.com/plan-risk-management-rrt3co14vd59-video> [11 May 2020].

OfniSystem (2020), [Online], Available: <http://www.ofnisystems.com/services/validation/functional-requirements/> [22 April 2020].

Omsar (2018), [Online], Available: http://www.omsar.gov.lb/ICTSG/201QM/6.3_SOP_4_Configuration_Management.htm [12 April 2020].

Project Managment for Instuctional Designers (2018), [Online], Available: <https://pm4id.org/chapter/11-2-risk-management-process/> [11 May 2020].

Brayan (2017) *BizFluent*, 17 September, [Online], Available: <https://bizfluent.com/list-6781448-advantages-disadvantages-ssadm.html> [15 April 2020].

Investopedia (2020), [Online], Available:
<https://www.investopedia.com/terms/f/feasibility-study.asp> [18 April 2020].

Omsar (2018), [Online], Available:
[http://www.omsar.gov.lb/ICTSG/201QM/6.3 SOP 4 Configuration Management.htm](http://www.omsar.gov.lb/ICTSG/201QM/6.3_SOP_4_Configuration_Management.htm)
 [11 January 2018].

Plagiarism Report:

Turnitin Originality Report

Processed on: 11-Mar-2021 18:19 +06
 ID: 1530166509
 Word Count: 6287
 Submitted: 1

183-16-391_Protik_Ghosh_Shujoy.docx By Anonymous

Similarity by Source	
Similarity Index	
16%	
Internet Sources:	5%
Publications:	0%
Student Papers:	16%

5% match (student papers from 19-Feb-2018) Submitted to NCC Education on 2018-02-19
3% match (Internet from 13-Oct-2014) http://www.caedes.net/?lib=Caedes::Gallery&type=new&page=53
2% match (student papers from 06-Nov-2018) Submitted to NCC Education on 2018-11-06
1% match (student papers from 05-Aug-2018) Submitted to NCC Education on 2018-08-05
1% match (student papers from 06-Nov-2018) Submitted to NCC Education on 2018-11-06
< 1% match (student papers from 06-Dec-2016) Submitted to University of Greenwich on 2016-12-06
< 1% match (student papers from 29-Dec-2019) Class: Final_project_Fall2019 Assignment: Project_Fall_2019 Paper ID: 1238621981
< 1% match (student papers from 03-Oct-2020) Submitted to RMIT University on 2020-10-03