

Parking Master – Web Application

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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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**DAFFODIL INTERNATIONAL UNIVERSITY
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APPROVAL

This Project title is “**Parking Master – Web Application**”, submitted by Chandan Saha, ID :151-15-5421, Md. Rashedujjaman Rabby, ID:151-15-4789, Bashudev Saha, ID: 151-15-5429 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 (BSc) and approved as to its style and contents. The presentation has been held on 5th November, 2018.

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DECLARATION

We are declare that, this project has been done by us (Chandan Saha, Md. Rashedujjaman Rabby and Bashudev Saha) under our honorable supervisor **Mr. A. S. M. Farhan Al Haque, Lecturer, Department of CSE**, Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ABSTRACT

Bangladesh is an overpopulated country and the development of this country depends on the capital of Bangladesh, Dhaka. So that traffic jam has become one of the major problems in Dhaka city. The lack of proper parking space is the main reason for this problem. So we developed a web application "**Parking Master**" will help people to find their nearest parking Space. By using our web application people can easily park their vehicle in a safe place without occurring any problem to anyone. We will give you the best solution for parking your vehicles all over the Dhaka city. We also email notify system.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

“Parking Master” is a web-based application for people to find their nearest parking slot to park their vehicles. In order to use our application, there are two parts. One is for Provider and the other is for a user. User and the provider can browse our website without any registration. But if any user wants to park their vehicles through our application he/she must be registered to get all our services. On the other hand, a provider also has to register to rent their parking slot to a user. A user can use their parking slot by daily or weekly or monthly.

1.2 Objectives

Bangladesh is facing a high traffic jam problem. Roadside parking is the major reason for this occurrence. So our objective is to reduce roadside parking problem through our web application.

Here are our application goals:

- To reduce roadside parking issue.
- A user can find their nearest parking slot.
- A user can get parking service as a daily, weekly and monthly packages.
- To make unused parking space usable for the provider.
- To ensure easy access for both users by the online system.

1.3 Motivation

Nowadays traffic jam is a common problem because of parking vehicles here and there. Our target has solved the problem with our project. You can find out the empty parking places by using our web app. And the customer can rent their empty parking spaces for a sudden time by our system. With this solution we can easily solve the Traffic jam problem in Bangladesh.

1.4 Expected Outcome

Our web apps are so user-friendly you can find out your nearest parking slot. By one click you can easily use our web app, no need to install any app. Not only a smartphone but also use your computer. If you are in unknown areas our system will help you to find out the nearest parking zone. Its totally unsafe parking your vehicles in the roadside or illegal parking it causes damage or police cases. So you can park your vehicle more securely by use parking master.

1.5 Report Layout

This report consists of 6 chapter.

First Chapter contains the Introduction, Objectives, Motivation, Expected Outcome and Report layout of our project.

Then second chapter contains Project Introduction, Related works, Comparative Studies, Scope of the problem and also Challenges of our project. Our third chapter contain all about Requirement Specification which are Use Case Modeling and Description, Logical Data Model, Design Requirements.

Fourth Chapter describes our full application description which is related to Design Specification like Front-end Design, Back-end Design. Our fifth chapter is all about Implementation and Testing. This contains Implementation of Database, Front-end Design, Interactions, Testing Implementation and Test Results and Reports.

Our last chapter contain conclusion of the full project. This report contains all about our Application and its problem, solution and use of the system.

CHAPTER 2

BACKGROUND

2.1 Introduction

Using of the web application are easier than apps, so we build our project in web-based. Our project name is “parking master” this web app will help you to find nearest parking zone and park the vehicles. You can be registered in our system in two way as a customer and as a provider.

2.2. Related Works

Car parks are a huge problem all over the world, with people often complaining of sky-high rates, poor facilities, and worse, poor security. Nowadays in Bangladesh, many of the company started the parking system. Most of this is android apps system and the lengthy process. But our web app system is easy to use and user-friendly just small log in and park the car anywhere any place any time for better, safer places to leave your cars.

2.3 Comparative Studies

In this Project, we have to move forward to solve the traffic jam problem because this is the main problem in Bangladesh. [1] So that our web app helps to park the vehicle more safely and reduce the traffic jam. You have to use this app anywhere any time in smartphone or tab or computer after login these web apps. Already Bangladesh has similar work but all are the android app and processing are so difficult. But our apps no need to install any app in your phone even it can be work in any network 2g /3g/4g and its time consumed. Just log in the app and park the vehicle no need to go third person and no need to go any place to find the parking zone. On the other hand, if you park the vehicle on the roadside its sky-high rates, poor facilities, and worse, poor security.

2.5 Scope of the Problems

This application focuses on finding a way to solved the traffic jam problem in Bangladesh and develop a smart system to parking the vehicle in the parking zone. So that people can easily park their vehicle at any place any time without face any problem.

- 1) As the purpose of this application is to solved the parking problem in Bangladesh so find location and the parking zone is big question and it can be an issue. [1] Use google map and the registered the parking zone in an big issue. In Dhaka city we have to ensure registered all the parking zone is a big issue and marketing in an big issue, We have to more effort to the marketing and public consciousness to use this web app and park the vehicle more safely to reduce the traffic jam problem. [1]
- 2) As we are utilizing firebase database to store and exchange documents, it has a few confinements with the expectation of complimentary packages at first. [1] It has a free package plan called 'Start' which incorporates constant database with max 100 associations, 10GB information exchange and 1GB information stockpiling. Max 100 associations implies, 100 client can be dynamic without a moment's delay. Thus, it will be the issue if more client is dynamic without a moment's delay.

2.6 Challenges

Illiteracy

Illiteracy: Illiteracy can be the major challenge for this project as most of the driver are illiterate. They don't have educational knowledge. They don't have the practical knowledge about technology. As they have to post their products through this application they must be a registered member, they have to fill up some fields to post. To fill up these fields their educational and technological knowledge is needed. All these steps can be the reason of their unwillingness. So, this can be the main blockage for our project.

Lack of Medium

This can be another snag for our venture. As our undertaking is online venture, so on the off chance that they need to utilize this application they should have a gadget or PC. What's more, we know a large number of our driver don't know how to utilize web legitimately in their phone. So this is a noteworthy blockage. Right off the bat they don't have handy learning about innovation, Secondly having not a keen gadget they will lose their will. Some may purchase or some won't.

Publicity

Publicity is the main challenge in our project. Because we have to publicity more and more to know about our project and can also use our project. Most of the driver in our country are illiterate so first, we have to conscious about our project and teach them how to use. For that reason, we have to print out the leaflet or arrange a program to teach their how to use this app and conscious about a traffic jam. So, it is a challenge to reach information about this project to the people.

CHAPTER 3

SOFTWARE REQUIREMENT SPECIFICATION

3.1 Introduction

Requirement analysis consisting of some approaches taken to work out specific options, demands, expectations by communication with the system users. Primarily collecting some raw data and then analyzing these as per as needs. And finally comes out the information of user demands. It needs combination of both hardware and software.

3.2 Business Process Modelling

Essentially, our point is to evacuate the outsider to Finding stopping zone to stop the vehicle. That is the reason we choose to make it non-productive business at first. Yet, later on, we will utilize it business reason. In this framework, a client doesn't have to pay any sum straightforwardly. The client effortlessly goes to our web application and sign in the framework and hunt the place and stop the vehicle.

3.3 Hardware & Software Requirement for System

To utilize and run this framework we need to guarantee the understudy et association at first. we can utilize any sort of gadget like advanced mobile phone, PC, tablet, or any sort of PC. There are no compelling reason to any prerequisite for Hardware and Software to utilize this framework.

Analysis

We examined a considerable measure of Web application and site which are for the most part like our application and find what highlights they were missed. All that we are utilizing is constant so we chose to utilize MySQL as our continuous database. And furthermore we chose to utilize Core PHP, Ajax. Back-end programming dialect.

3.4 Use Case Model

Use case model refers to a model of how different types of users interact with the system to solve a problem. As such, it describes the goals of the users, the interactions between the users and the system, and the required behavior of the system in satisfying these goals.

System Use Case:

Our system has the following set of use cases. The system our project user can choose the parking slot and park the vehicle. The only registered user can use by logged in and get the service. A user without registration can view the website but if he/she tries to get parking then must be log in the website. Before log in in the web apps, the user has to fill up some information. Among of these fields, some document must be required. Making blank other fields will appear null. An action can be made to update and delete by its Admin also. Admin maintains provider and user and all the maintained.

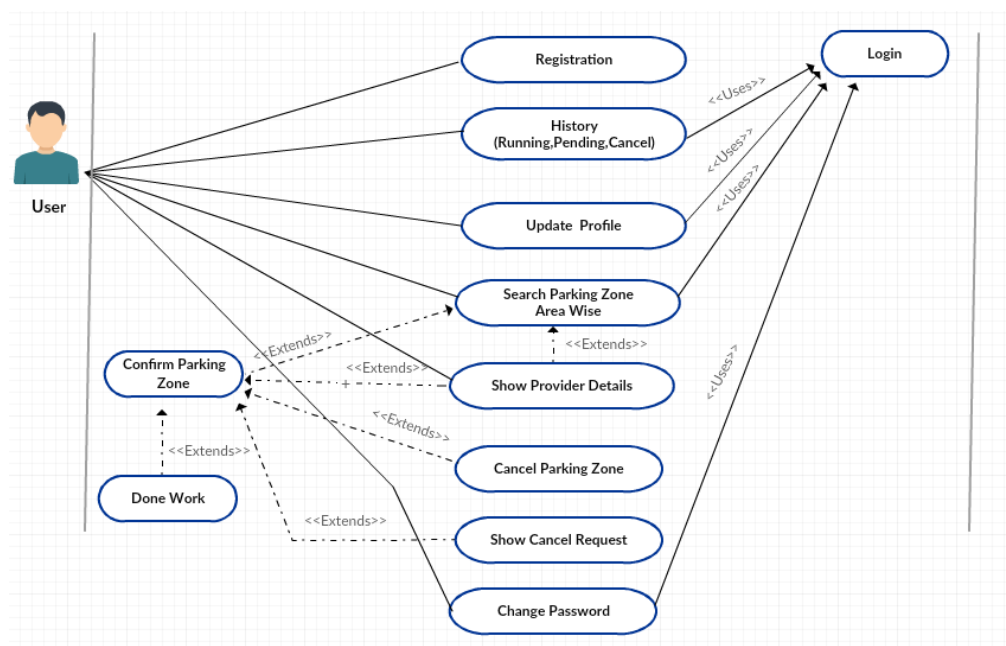


Figure: 3.1 System Use Case for User

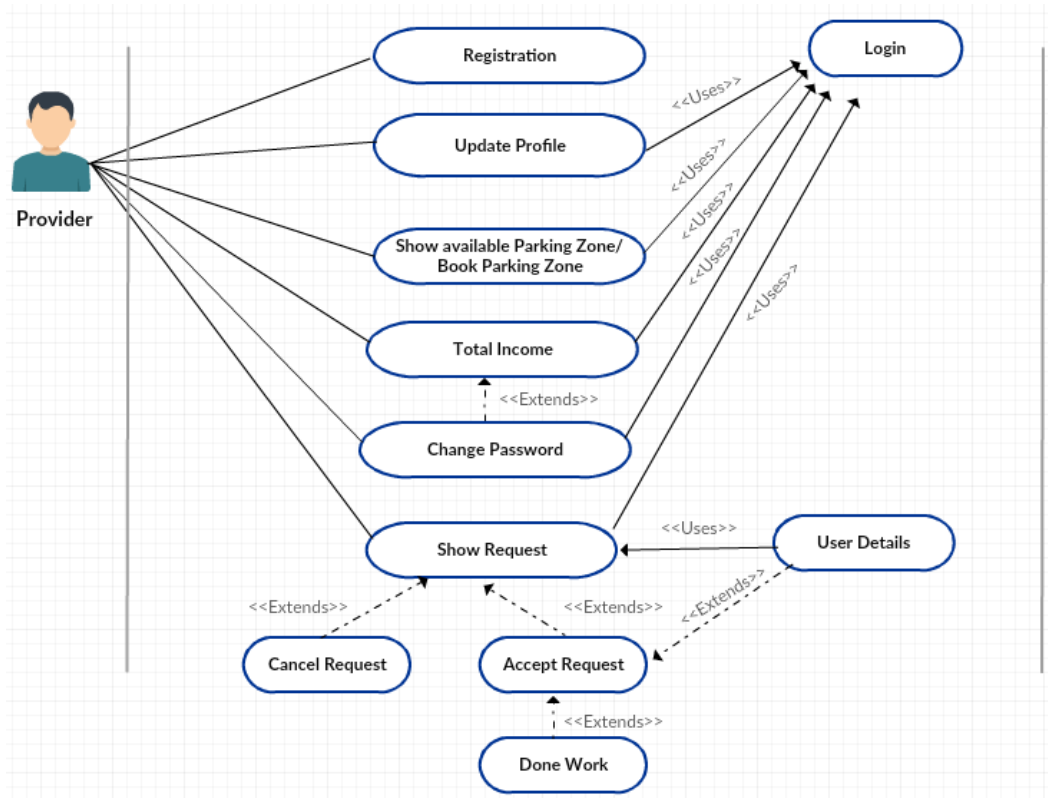


Figure: 3.2 System Use Case for Provider

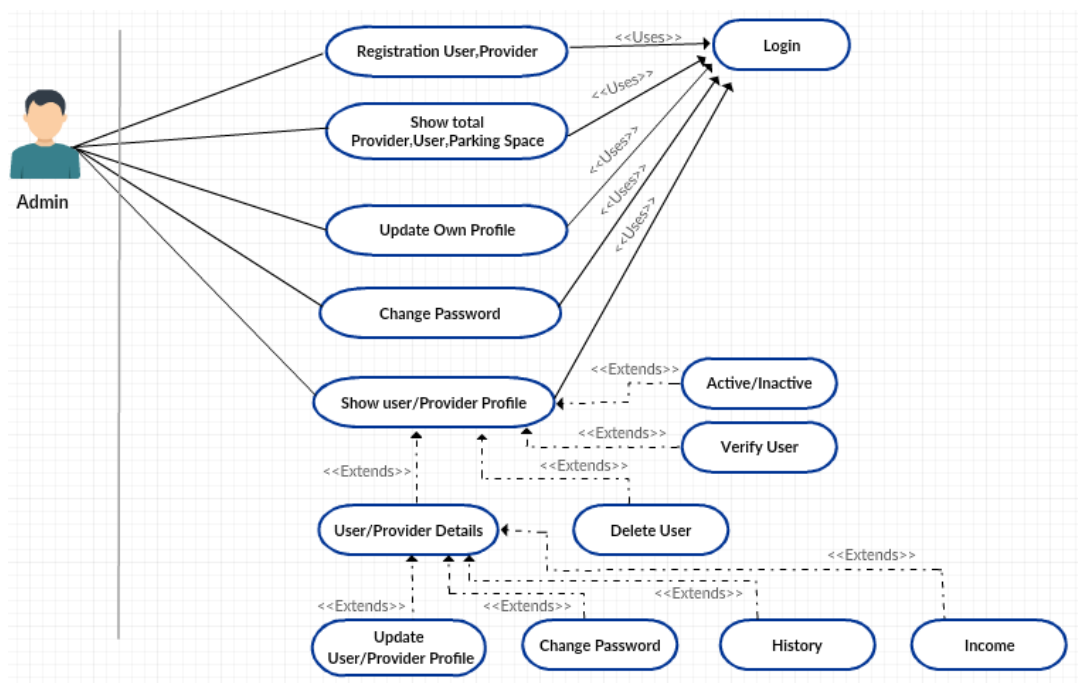


Figure: 3.3 System Use Case for Admin

3.5 Logic Diagram

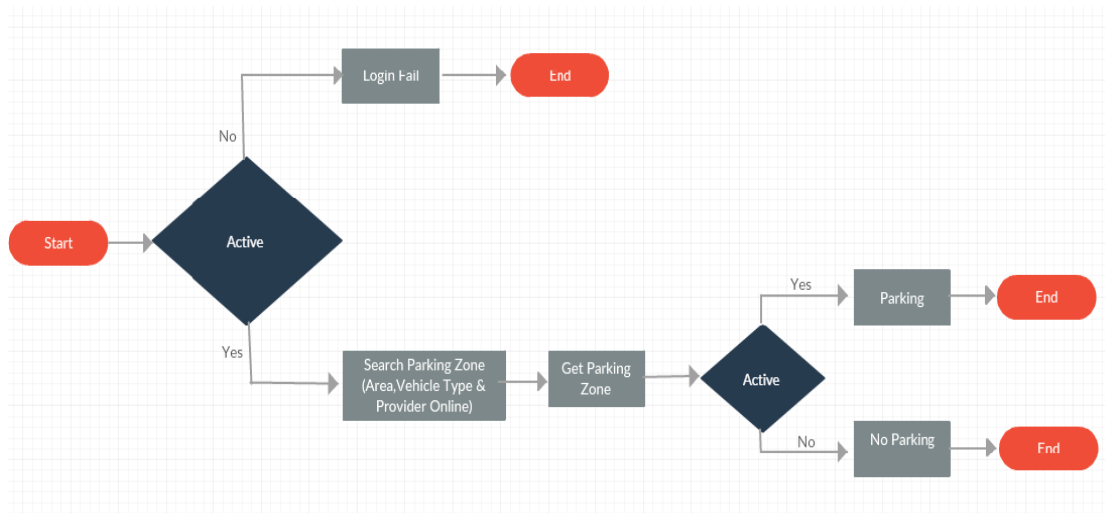


Figure: 3.4 Logic Diagram for User

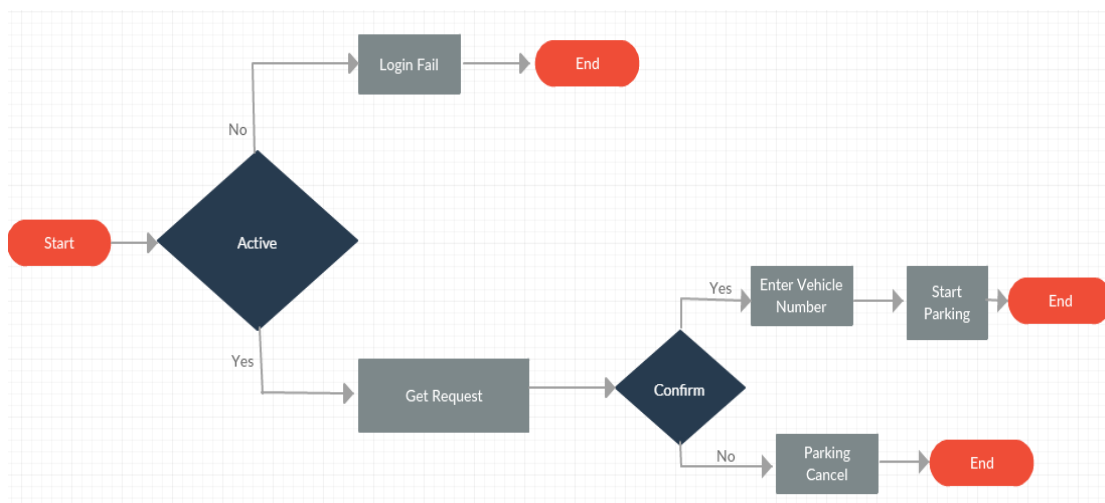


Figure: 3.5 Logic Diagram for Provider

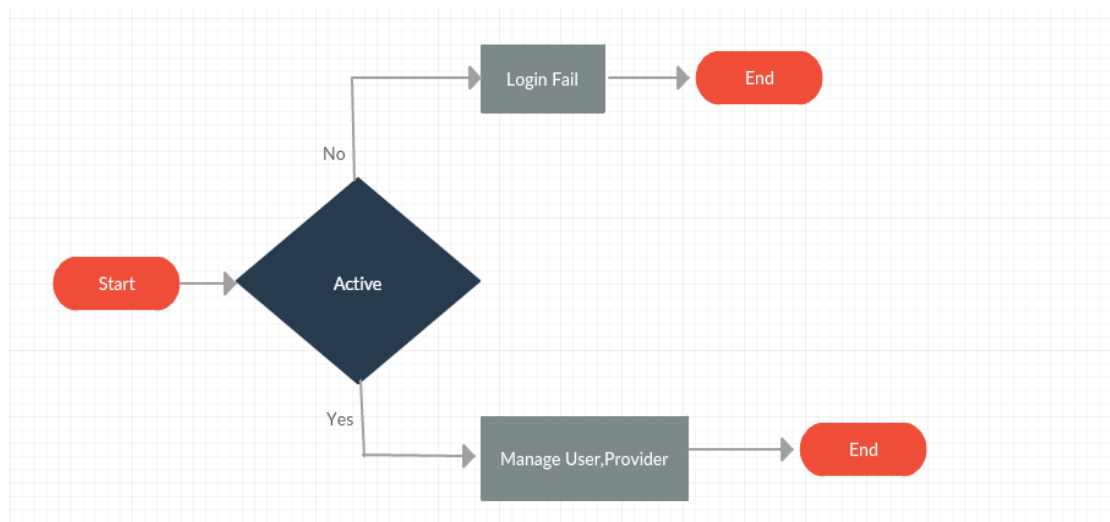


Figure: 3.6 Logic Diagram for Admin

3.6 Data Flow Diagram

Here is our data flow diagram user requests from the device to the database and the user get the result.

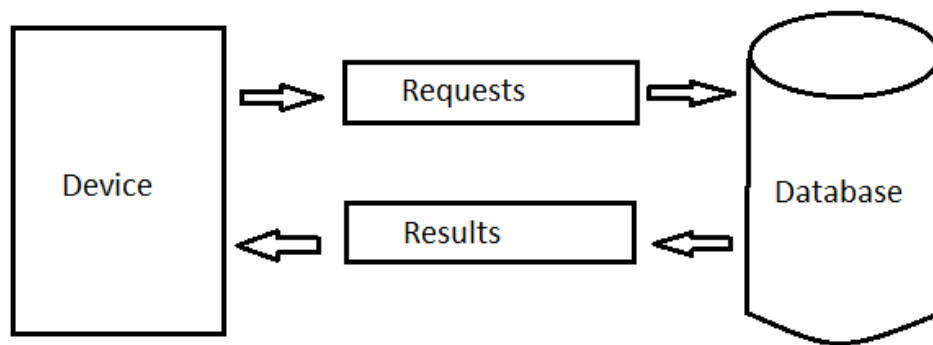


Figure: 3.7 Data flow Diagram

3.7 Implementation Requirements

Before any programming select for the system, it could be done decisions needed to be made on which language we used to program for the project. For that reason to make this project with CORE PHP, JQuery, MySQL, Ajax for the application. CORE PHP is for Back-end and CSS, HTML is for front-end/designing the user interface.[4]

JQuery:

JQuery is a quick and compact JavaScript library made by John Resig in 2006.[5] It disentangles HTML record navigating, occasion taking care of, quickening, and Ajax communications for Rapid Web Development. With a blend of adaptability and extensibility, jQuery has changed the manner in which that a large number of individuals compose JavaScript.[5] Utilizing jQuery there is two different ways, Local Installation-you can download jQuery library on your nearby machine and incorporate it in your HTML code and CDN Based Version which you can incorporate jQuery library into your HTML code specifically from Content Delivery Network (CDN).[5]

PHP:

PHP Hypertext Pre-processor (PHP) is an open source Scripting dialect. The release of PHP (Version 5) has actualized Object Orientation.[6] This was considered for the venture because of a little past information of the scripting dialect and in addition a need to extend and enhance learning and comprehension of the dialect. In spite of the fact that there was some past information of the dialect this was very constrained as most PHP locales that we have created have just been exceptionally fundamental.[6] Utilizing the dialect to make some essential info structures and put the approaching qualities into a database. From this essential knowledge into PHP it was felt that with some more research and experimentation this would be an incredible dialect to use to make the online ticket deals framework. Most Web Hosting organizations offer PHP on their servers as default and incorporate a MySQL database so the program will be composed in PHP and communicate with a MySQL database to store and recover data that is vital for the running of the program.[6]

MySQL:

MySQL is the world's most well-known open source database, empowering the financially savvy conveyance of solid, elite and versatile Web-based and installed database applications.[7] It depends on the structure inquiry dialect (SQL), which is utilized for including, expelling, and changing data in the database.[7] Standard SQL directions, for example, ADD, DROP, INSERT, and UPDATE can be utilized with MySQL. MySQL can be utilized for an assortment of utilizations however is most regularly found on Web servers. [2] A site that utilizes MySQL may incorporate Web pages that entrance data from a database. These pages are regularly alluded to as "dynamic," which means the substance of each page is produced from a database as the page loads. Sites that utilize dynamic Web pages are frequently alluded to as database-driven sites. Numerous database driven sites that utilize MySQL likewise utilize a Web scripting dialect like PHP to get to data from the database. MySQL directions can be consolidated into the PHP code, permitting part or the majority of a Web page to be produced from database data. Since both MySQL and PHP are both open source (which means they are allowed to download and utilize), the PHP/MySQL mix has turned into a mainstream decision for database-driven sites.[7]

CSS:

Research was done into Cascading Style Sheets (CSS) and the different ways it could be used to control both layout and style of the site. There was some experimentation with using <div> tags and CSS to controlled layout, as well as using tables to control layout with some CSS to format things like alignment and color. [3]. Both approaches give web developers a lot of control of site layout. However pure CSS layout allows the designer to complete separate style and layout from content, whereas table-based layout does not allow for complete separation of the two. A good example of how much control developers using pure CSS layout have is the website 'CSS Zen Garden', the creation of CSS expert Eric Meyers, which is not only full of CSS tutorial but also uses its homepage to showcase different CSS designers, meaning the site is never the same [2]. The use of table layout currently has one major advantage over pure CSS layout and this is the cross-browser compatibility. Because of its more stable and solid structure a website that uses tables will look near enough the same as most commonly used web browsers. This is because although all current versions of web browsers support CSS

layout, therefore each browser's development team interpret the CSS standards for layout a little differently, if developers wish to use pure CSS layout they must introduce 'hacks' into their CSS using scripting languages such as PHP to check which browser a user is using and, on that information, decide which parts of the CSS to serve up. After researching into CSS, particularly its use for layout, it was decided that it would be best to use pure CSS layout to control the website as this will make expansion and updating the site easier in the long run.[2]

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

Front-end web development is the practice of converting data to graphical interface for user to view and interact with data through digital interaction. Front end design is about user interface of the application. Here is the user interface design and interactions:

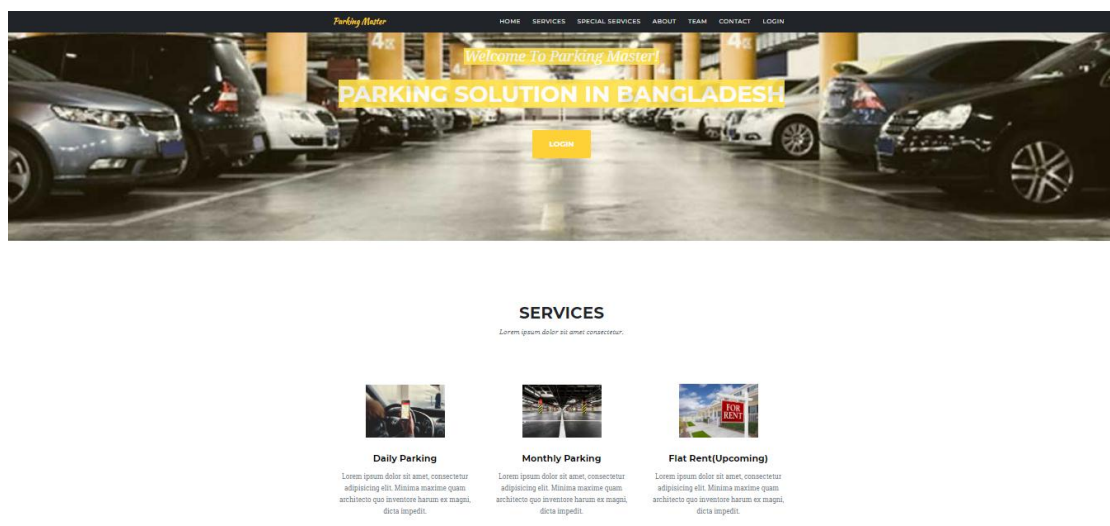


Figure: 4.1 Home Page

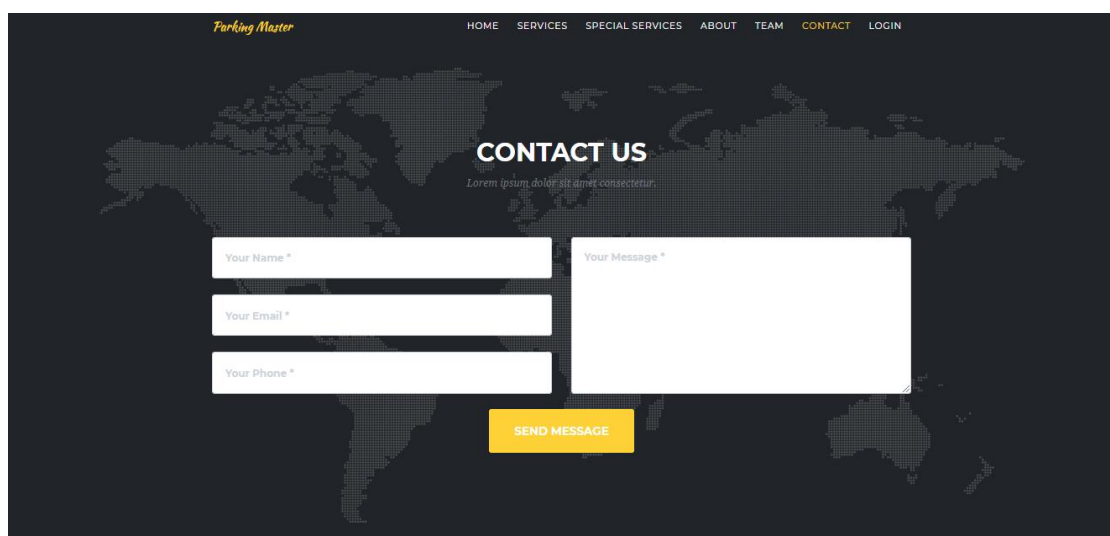


Figure: 4.2 Contact Page

Register an Account

Full name*

Mobile number*

Email address*

Password*

House no* Road no* Area*

☐ User ☐ Provider

Register

[Login Page](#)
[Forgot Password?](#)

Figure: 4.3 Registration Page

Login

Email address

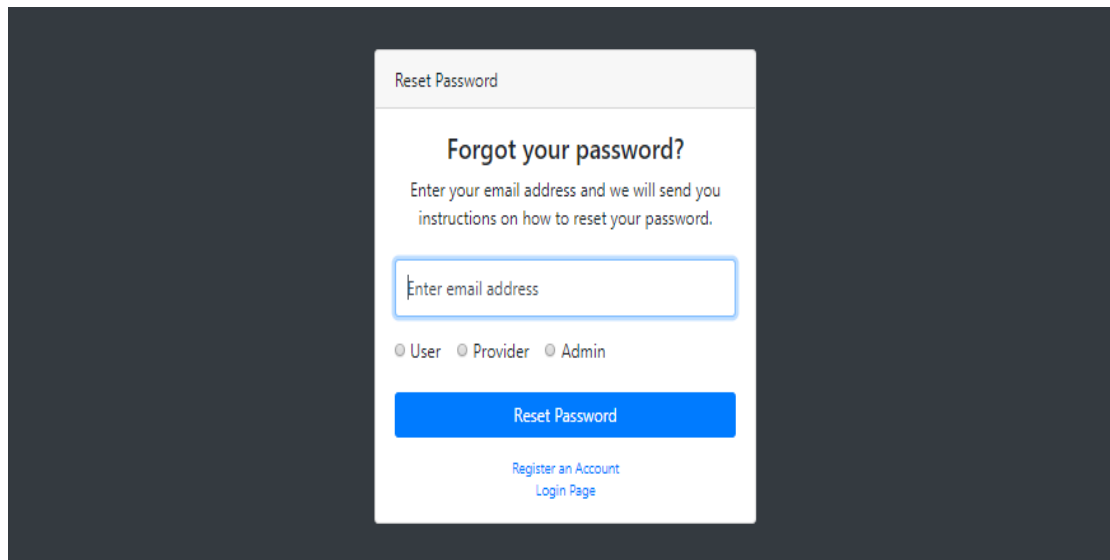
Password

☐ User ☐ Provider ☐ Admin

Login

[Register an Account](#)
[Forgot Password?](#)

Figure: 4.4 Login Page



Reset Password

Forgot your password?

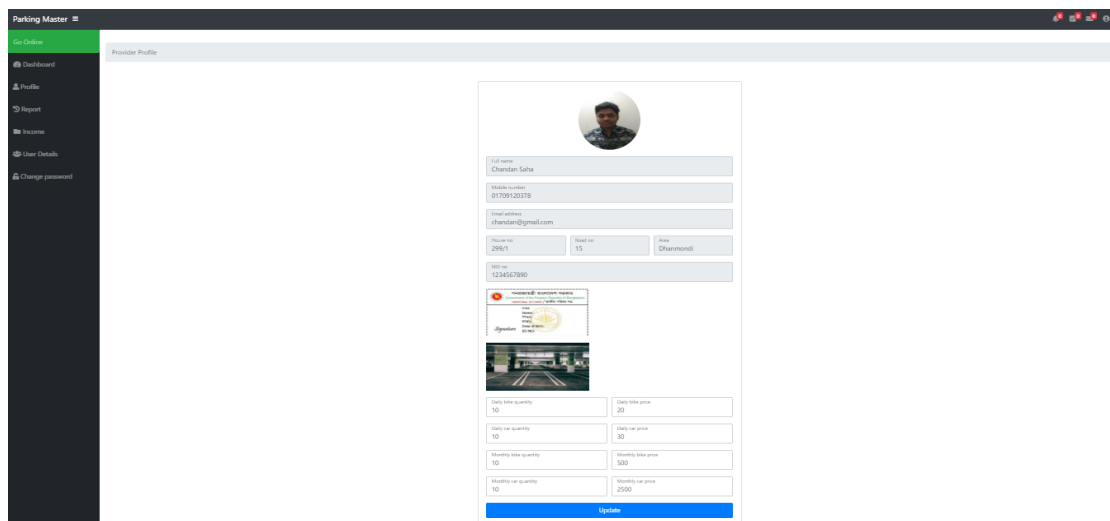
Enter your email address and we will send you instructions on how to reset your password.

☐ User
 ☐ Provider
 ☐ Admin

Reset Password

[Register an Account](#)
[Login Page](#)

Figure: 4.5 Password Recovery Page



Parking Master

Go Online

Dashboard

Profile

Report

Invoice

User Details

Change password

Provider Profile

Update

Figure: 4.6 Update Profile Page

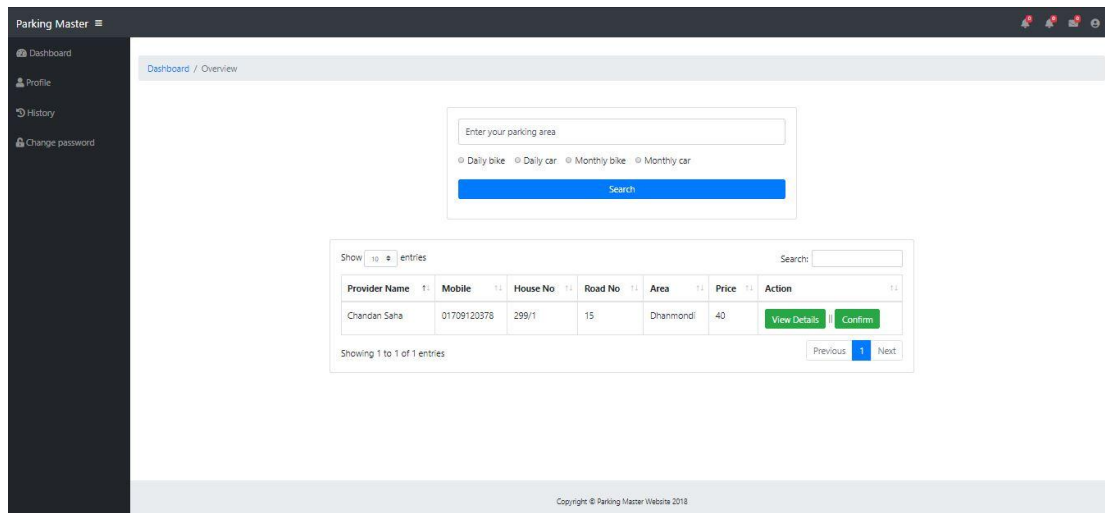


Figure: 4.7 User Dashboard Page

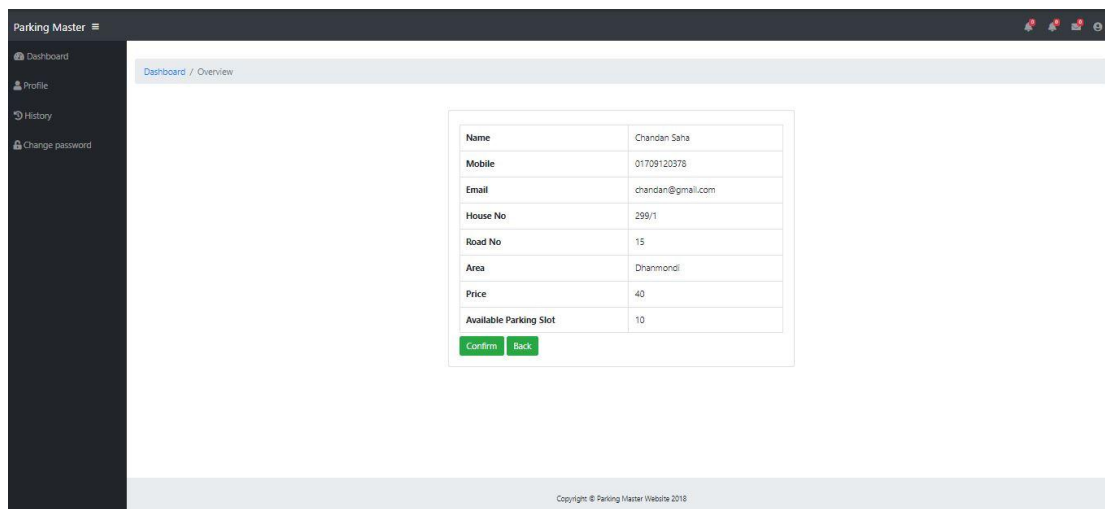


Figure: 4.8 Provider Details Page

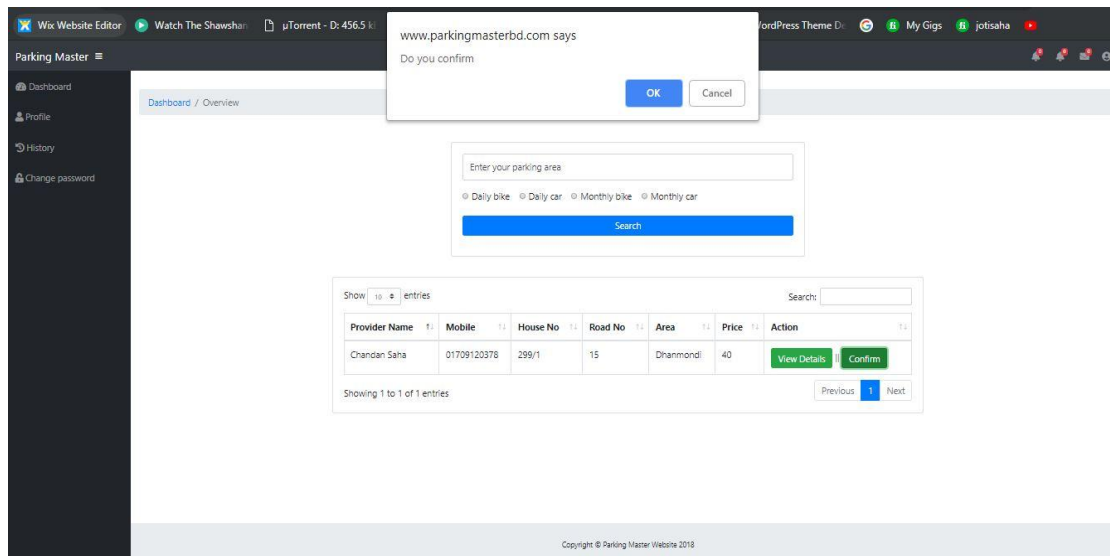


Figure: 4.9 Confirm Parking Zone Page

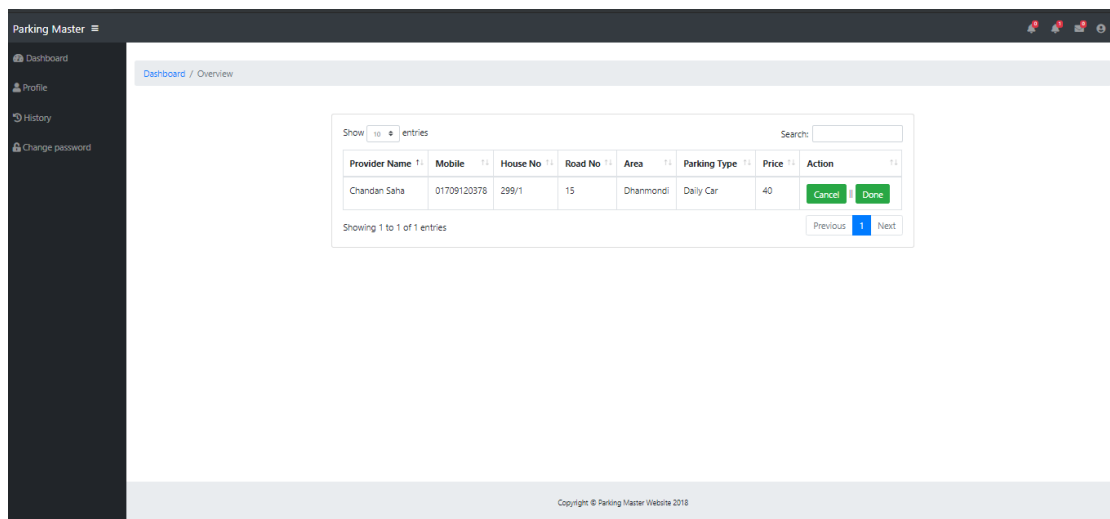


Figure: 4.10 Cancel Parking Zone Page

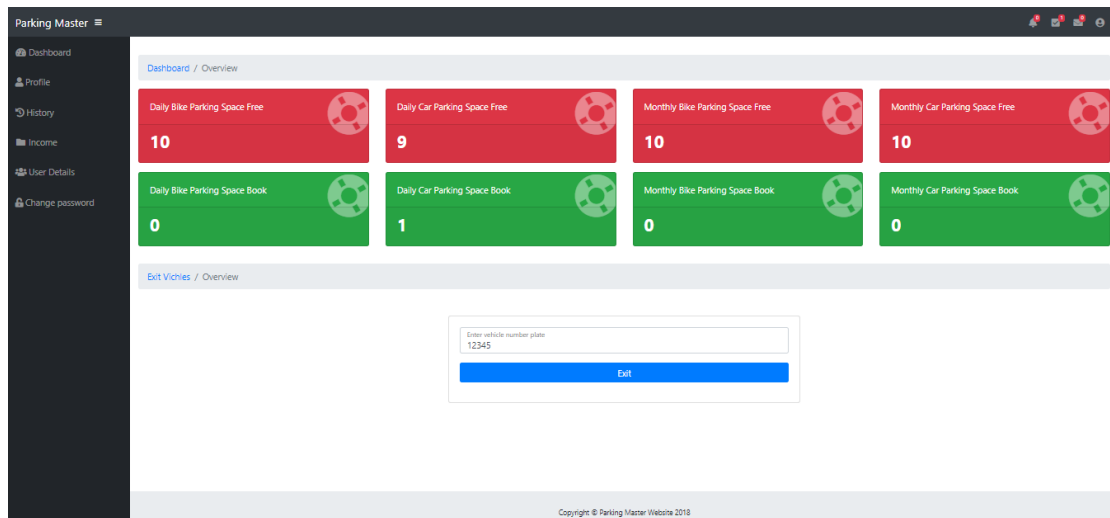


Figure: 4.11 Provider Dashboard Page

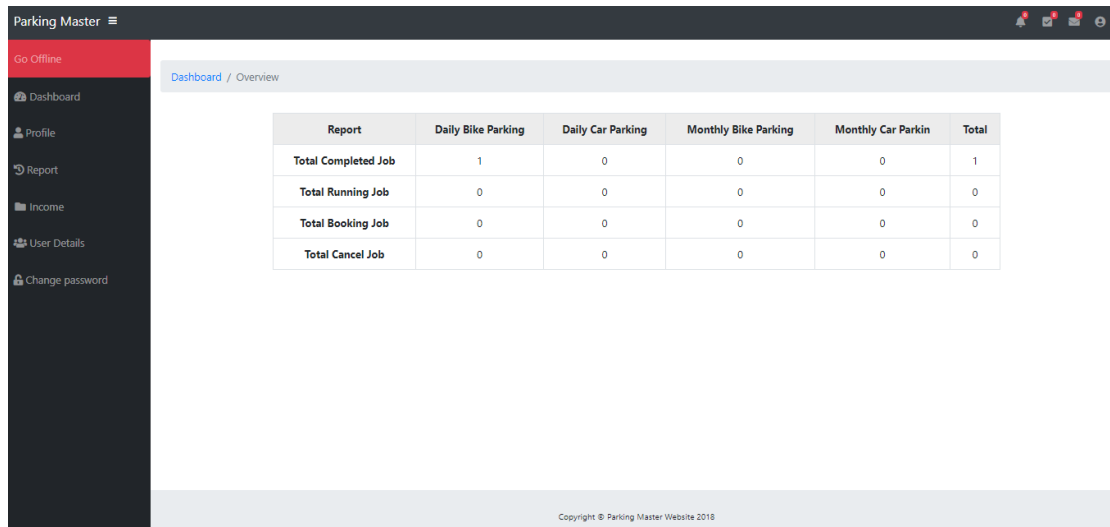


Figure: 4.12 Provider History Page

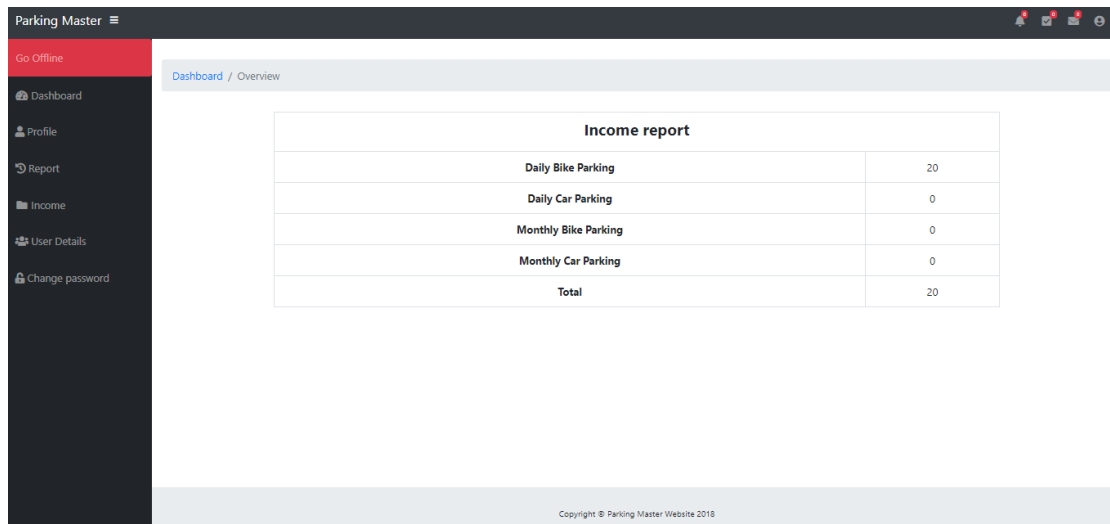


Figure: 4.13 Provider Income Page

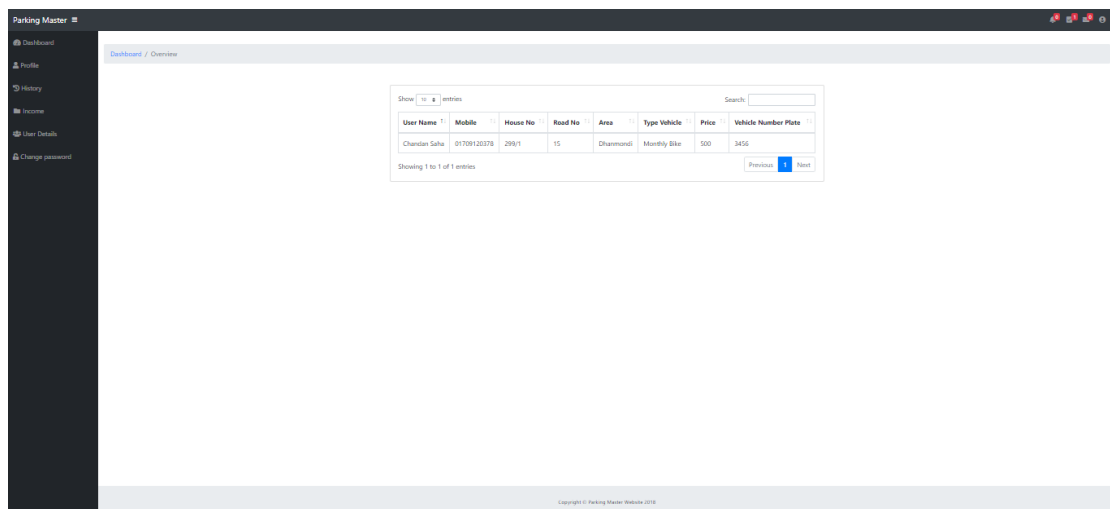


Figure: 4.14 User Details Page

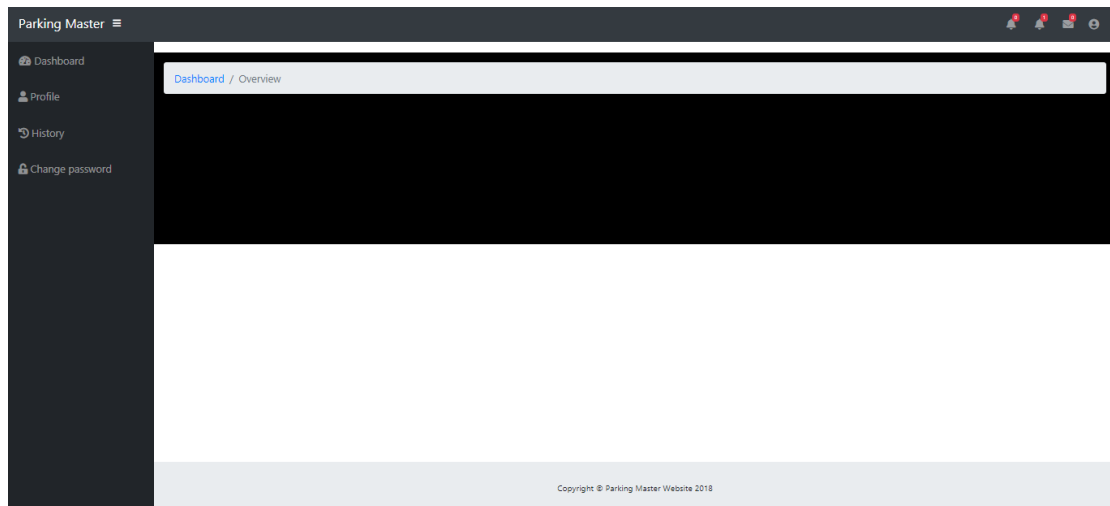


Figure: 4.15 Notification Page

Report	Daily Bike Parking	Daily Car Parking	Monthly Bike Parking	Monthly Car Parkin	Total
Total Completed Job	1	0	0	0	1
Total Running Job	0	0	0	0	0
Total Booking Job	0	0	0	0	0
Total Cancel Job	1	0	0	0	1

Figure: 4.16 User History Page

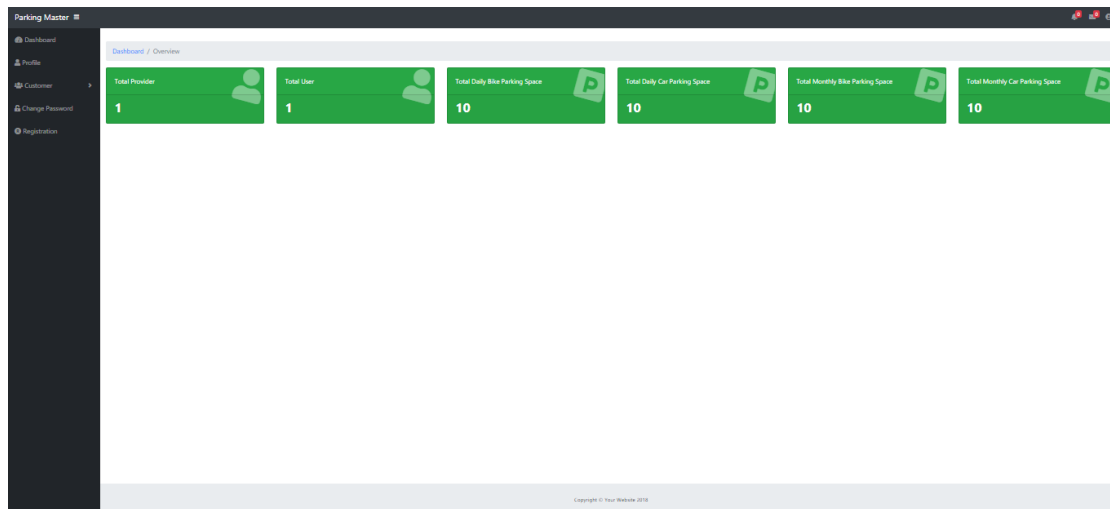


Figure: 4.17 Admin Dashboard Page

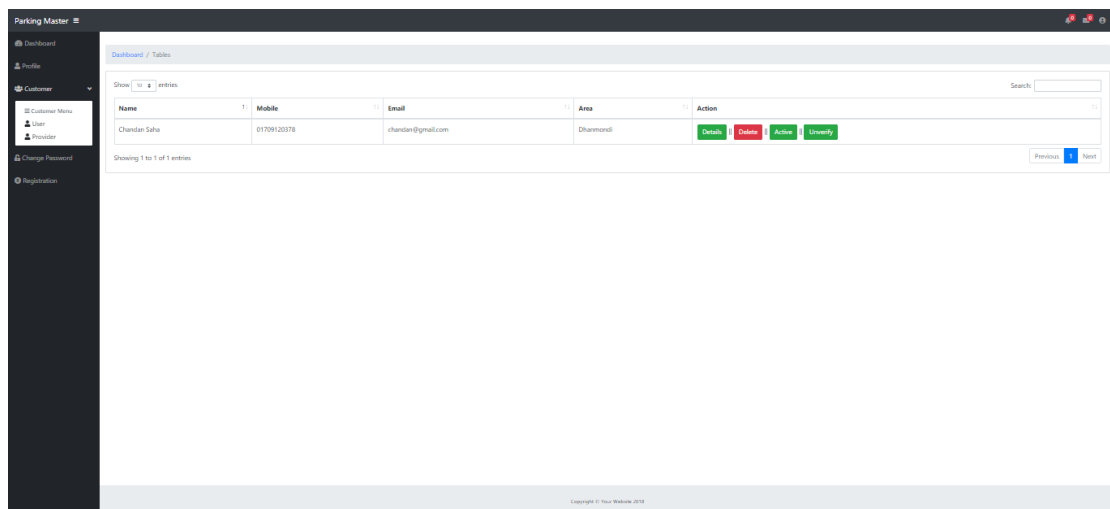


Figure: 4.18 User Information Page

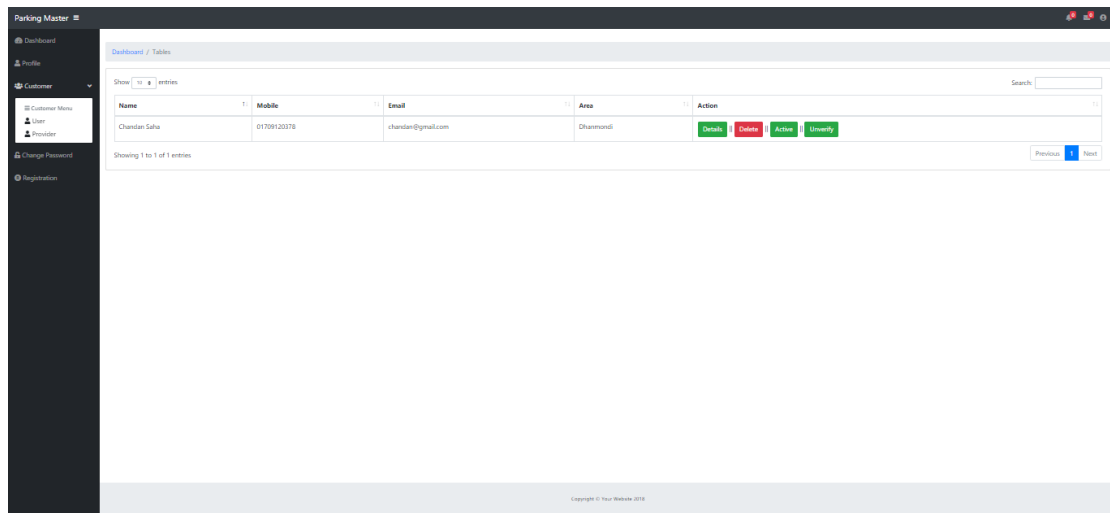


Figure: 4.19 Provider Information Page

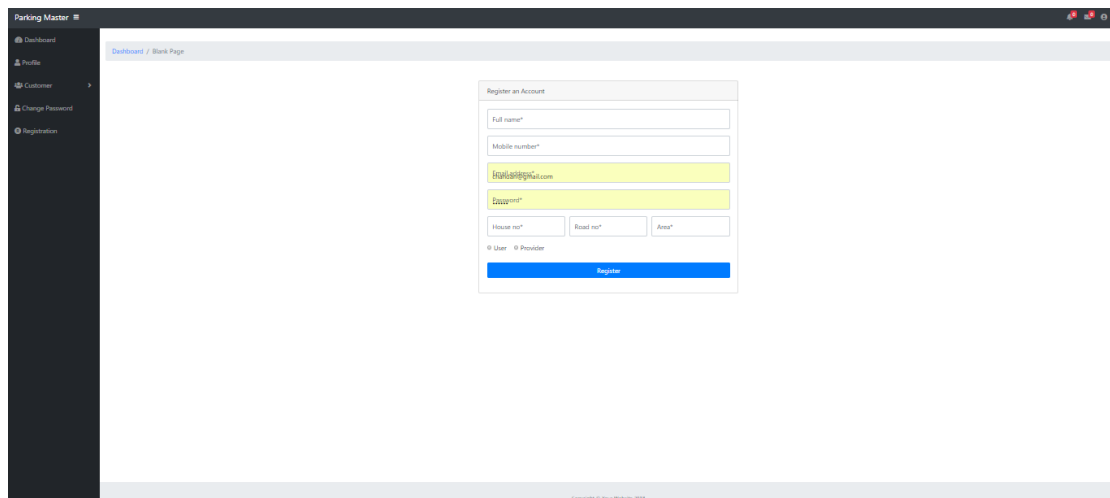


Figure: 4.20 User/Provider Registration by Admin

4.2 Back-end Design

For back-end Design we have used core PHP, Ajax. We have used a MySQL database to store the data. Here are the database table and some data sample.

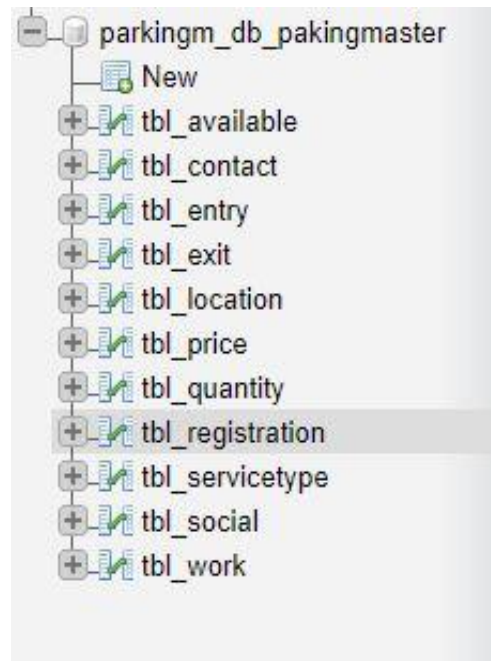


Figure: 4.21 Database Table

A screenshot of the MySQL 'tbl_registration' table structure. The table has 14 columns: #, Name, Type, Collation, Attributes, Null, Default, Comments, Extra, and Action. The columns are: 1. id (int(11), No, None, AUTO_INCREMENT), 2. name (varchar(255), latin1_swedish_ci, No, None), 3. email (varchar(255), latin1_swedish_ci, No, None), 4. password (varchar(255), latin1_swedish_ci, No, None), 5. mobile (varchar(255), latin1_swedish_ci, No, None), 6. nid (varchar(255), latin1_swedish_ci, No, None), 7. nidimage (varchar(255), latin1_swedish_ci, No, None), 8. drivinglicence (varchar(255), latin1_swedish_ci, No, None), 9. drivinglicenceimage (varchar(255), latin1_swedish_ci, No, None), 10. image (varchar(255), latin1_swedish_ci, No, None), 11. spaceimage (varchar(255), latin1_swedish_ci, No, None), 12. role (varchar(255), latin1_swedish_ci, No, None), 13. status (tinyint(4), No, None), 14. date (timestamp, No, CURRENT_TIMESTAMP). The table has a 'Table structure' tab selected and a 'Relation view' tab. The 'Action' column contains icons for 'Change', 'Drop', and 'More'.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	email	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	password	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
5	mobile	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
6	nid	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
7	nidimage	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
8	drivinglicence	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
9	drivinglicenceimage	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
10	image	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
11	spaceimage	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
12	role	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
13	status	tinyint(4)			No	None			Change Drop More
14	date	timestamp			No	CURRENT_TIMESTAMP			Change Drop More

Figure: 4.22 Registration Table

Server: localhost:3306 » Database: parkingm_db_pakingmaster » Table: tbl_location

Browse Structure SQL Search Insert Export Import Operations Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	rid	int(11)			No	None			Change Drop More
3	roadno	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
4	houseno	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
5	area	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Print Propose table structure Move columns Normalize

Add 1 column(s) after area Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	2	A	No	
Edit Drop	rid	BTREE	No	No	rid	2	A	No	

Create an index on 1 columns Go

Figure: 4.23 Location Table

Server: localhost:3306 » Database: parkingm_db_pakingmaster » Table: tbl_servicetype

Browse Structure SQL Search Insert Export Import Operations Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	rid	int(11)			No	None			Change Drop More
3	lid	int(11)			No	None			Change Drop More
4	type	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Print Propose table structure Move columns Normalize

Add 1 column(s) after type Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	0	A	No	
Edit Drop	rid	BTREE	No	No	rid	0	A	No	
Edit Drop	lid	BTREE	No	No	lid	0	A	No	

Create an index on 1 columns Go

Figure: 4.24 Service Type Table

Server: localhost:3306 » Database: parkingm_db_parkingmaster » Table: tbl_quantity

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	rid	int(11)			No	None			Change Drop More
3	lid	int(11)			No	None			Change Drop More
4	stid	int(11)			No	None			Change Drop More
5	daily_bike_quantity	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
6	daily_car_quantity	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
7	monthly_bike_quantity	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
8	monthly_car_quantity	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	0	A	No	
Edit Drop	rid	BTREE	No	No	rid	0	A	No	
Edit Drop	lid	BTREE	No	No	lid	0	A	No	
Edit Drop	stid	BTREE	No	No	stid	0	A	No	

Figure: 4.25 Quantity Table

Server: localhost:3306 » Database: parkingm_db_parkingmaster » Table: tbl_price

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	rid	int(11)			No	None			Change Drop More
3	lid	int(11)			No	None			Change Drop More
4	stid	int(11)			No	None			Change Drop More
5	daily_bike_price	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
6	daily_car_price	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
7	monthly_bike_price	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
8	monthly_car_price	varchar(255)	latin1_swedish_ci		No	None			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	0	A	No	
Edit Drop	rid	BTREE	No	No	rid	0	A	No	
Edit Drop	lid	BTREE	No	No	lid	0	A	No	
Edit Drop	stid	BTREE	No	No	stid	0	A	No	

Create an index on 1 columns Go

Figure: 4.26 Price Table

Chapter 5

Implementation and Testing

5.1 Implementation of Database:

We have used Firebase database to control and store data. Basically we have applied three system in the database.

Capacity

Storage is utilized for to store every one of the records or report that we utilized in the application. For instance when vender will include their items photograph it will store in this database.

Scrambled information

There are many encoded information in our framework, for example, Image or any kind of information we can store, read, or compose. The supplier can include their record in their decision and erase the report and alter they picked.

5.2 Implementations of associations:

Looking alternative: There are two technique to seek. Client can look through the place discover the stopping zone and stop the vehicle by class and area insightful.

5.3 Testing Implementation

System testing is a level of programming testing where a total and incorporated programming is tried. The motivation behind this test is to assess the framework consistence with the predefined necessities.

Testing Approaches:

Tests can be directed dependent on two methodologies –

- Functionality testing
- Implementation testing

At the point when usefulness is being tried without taking the genuine usage in concern it is known as discovery testing. The opposite side is known as white-box testing where usefulness is tried as well as the manner in which it is executed is likewise investigated.

Unit Testing

While coding we play out a few tests on that unit of program to know whether it is sans blunder. Unit testing encourages us choose that individual units of the program are functioning according to prerequisite and are without blunder.

Mix Testing

Testing performed to uncover surrenders in the interfaces and in the cooperation's between incorporated segments or frameworks. Joining Test Case varies from other experiments in the sense it centers fundamentally on the interfaces and stream of information.

Framework Testing:

System testing is an absolute necessity required stage. This stage gives a decent data about the advancement procedure. In the wake of testing the product, various blunders have been found and settled. A product must be tried with few volunteers and get input from their client encounter. We took their given input and attempted to enhance the client encounter as per their criticism. We additionally keep up the nature of the product and its security. Additionally, client individual points of interest and security considered important and hold it to a protected place.

Table: 5.1 Test case result for login system:

Test Case	Expected Result	Observed Result	Test result
1.Parking Space 2.Provider Approve	Park	Can Park	Pass
1.No Parking Space 2.Provider Approve	Park	Can Park	Fail
1.Parking Space 2.No approval by provider	Park	Can Park	Fail

CHAPTER 6

CONCLUSION & FUTURE SCOPE

6.1 Conclusion

The design of this project 'Parking Master' is done with the help of PHP, HTML, CSS, JavaScript, JQuery, Bootstrap, Ajax, Firebase database. Here, user and provider easily can use our system the system can be used at anywhere from a smartphone or computer device with the help of internet. Our project is so much helpful for Bangladeshi people to park the car and reduce the traffic jam. The people who are registered they can easily use our apps and get a benefit. By using this app, they can park their vehicle more easily without a third person. The user can park their vehicle as their wish. They can search the parking slot to the nearest place and park their vehicle. The provider can give their parking slot for rent. They can also delete and update their parking slot.

6.2 Future Scope

We have a big master plan with our project. Especially we secure our project and adding google maps to find places more easily. We also adding our flat booking process system in our project in the future. In future people can easily log in with Facebook profile in our system. We have also master plan for business purpose.

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