



Kamani Science College
&
Prataprai Arts College
Vidyavihar, Bhavnagar Road, Amreli-365601



C E R T I F I C A T E

This is to certify that

Mr./Miss. Devang R. Khuman

Roll. No 2020BCA36 Studying in B.C.A. Semester V has completed his/her
Project work satisfactorily during the year 2022-2023.

Signature
Project in Charge

Signature
Head of Department

Signature
Examiner



Kamani Science College
&
Prataprai Arts College
Vidyavihar, Bhavnagar Road, Amreli-365601



C E R T I F I C A T E

This is to certify that

Mr./Miss. Vivek B. Malaviya

Roll. No 2020BCA46 Studying in B.C.A. Semester V has completed his/her
Project work satisfactorily during the year 2022-2023.

Signature
Project in Charge

Signature
Head of Department

Signature
Examiner

-: PREFACE :-

- The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge we are thankful of having a project.
- Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.
- We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

-: ACKNOWLEDGEMENT :-

We are students of BCA sem-5 Studying in the Kamani Science and Prataprai Arts College, Amreli. We are thankful to the entire person who has given their support in shaping of the system.

We thanks to all the our teacher's for giving us guidance and Co-operation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our Head of Department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.

Thanks to all !

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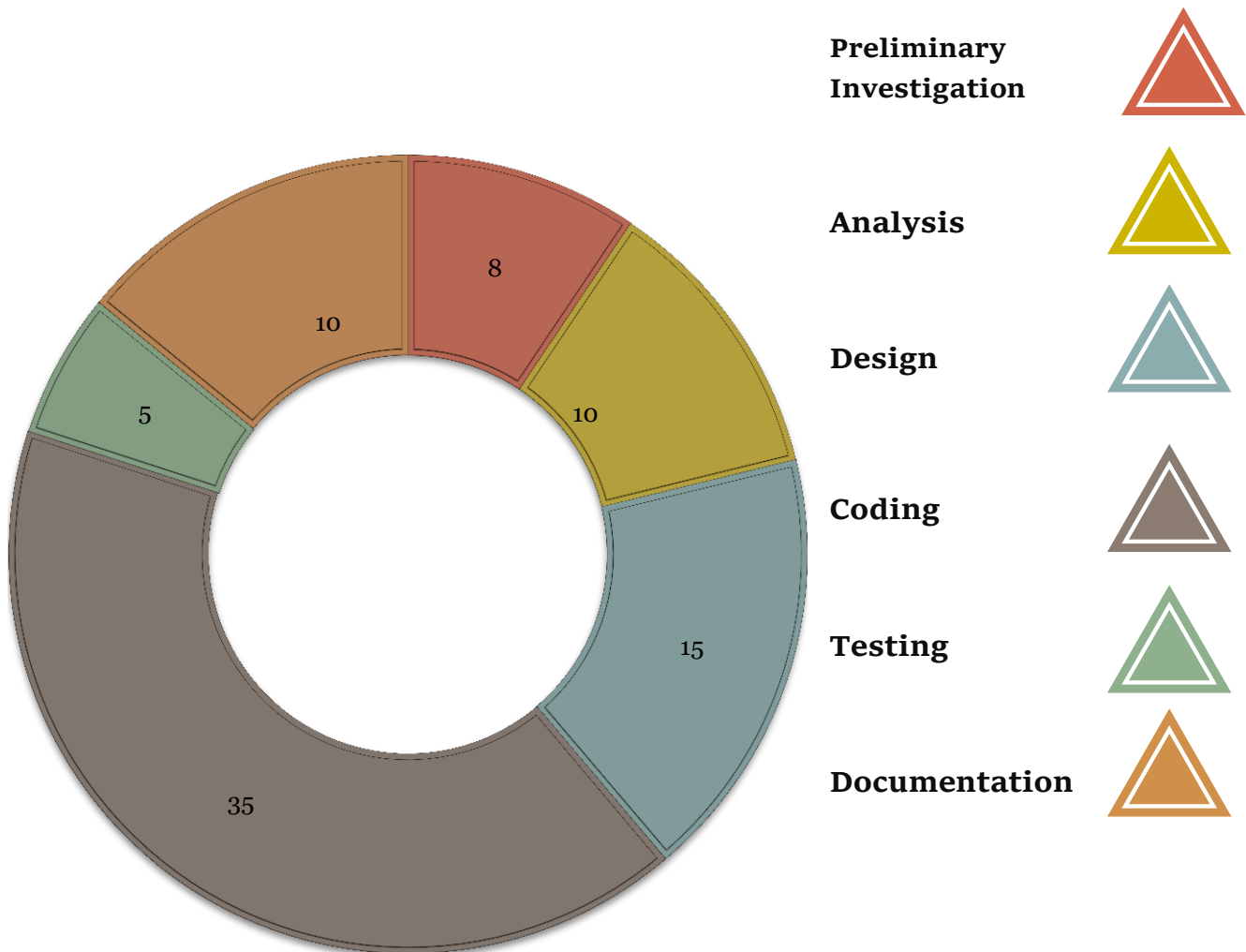
-: Introduction :-

In this world everyone or maybe some of them owned at least one vehicle so whenever they go outside and. At that time main problem has occurred of Parking so here is the solution with our site people can reserve Parking. Slot where they go so with this many People Can park their vehicles in discipline so the traffic Problem has been also solved

Propose of this site to provide below facilities to the users.

- 1) People can reserve or book Park slot before they go that perticular place.
- 2) User can safely parked their vehicles.
- 3) This site is maintained user privacy strictly.

-: Timeline Chart :-



-: Project Profile :-

Project name	Online Vehicle Parking System
Developed by	Devang Khuman Vivek Malaviya
Frontend tool	PHP,HTML,CSS
Backend Tool	MYSQL
Operating system	Microsoft windows XP &Microsoft window 7 or 10
Computer system	Intel i3 or higher, Ram:2 GB
Project Details	This site gives users to book or reserve their parking slot for their vehicle.
Completion time	2.5 Months
Guide by	Mr. Ravi Joshi
Submitted by	Saurashtra University, Rajkot

-: Hardware Requirement :-

- 256+MB of RAM
- Multimedia Keyboard, Mouse
- CPU and Monitor
- 1.0+GHz Processer
- Printer

-: Software Requirement :-

- ❖ Operating System :- Microsoft Windows 7 or 11
- ❖ Front-End Tool :- PHP,HTML,CSS,Javascript
- ❖ Back-End Tool :- MySQL
- ❖ Documentation Tool :- Microsoft word-2007
- ❖ Browser Specification :- Google Chrome or Edge

-: Requirement Specification :-

- MySQL & PHP using to maintain the all concerned data.
- Display all types of data using classified reports with combinations of multiple data base table.
- Controlling the information regarding whole network site.

-: Problem Definition :-

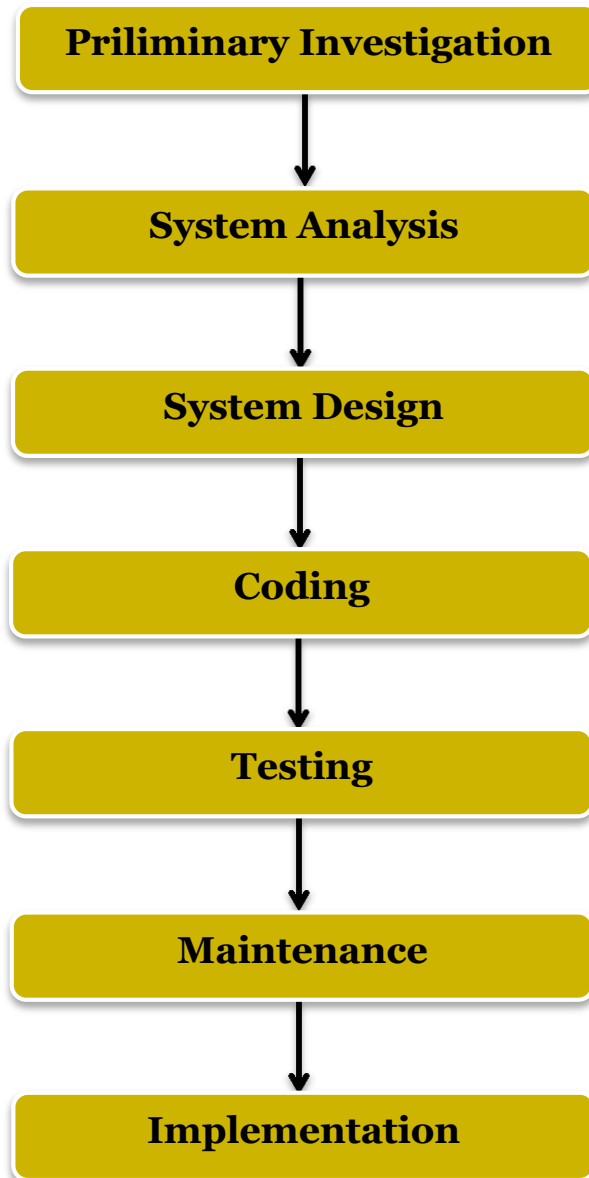
- Maintain Users Profile
- Maintain Allocated Park Slot
- Maintain Area Filter
- Maintain Users Privacy

-: Project Plannig & Scheduling :-

After notice the current Situation of Population of the our country or the world. and the number of vehicles which is owned by many Peoples, this create the Parking Problem at many overcrowded and Public Places. At this places where vehicle is not Parked in discipline So that create a new problem of traffic at road so it make Pollution in our environment. when some People try to park their vehicles it's very complex and time consuming.

So, we decided to make a Solution with this site and save the time of client to find Parking area. Site User need to register and than have to log in the site after that User can find that Peticular area and book the Park slot for their vehicles.

-: Project Plannig & Scheduling :-



-: System Analysis :-

System analysis is the process of identification of objectives and requirements, evaluation of alternative solutions and recommendation for a more feasible solution. In other words, system analysis is the step by step process of gathering, recording and interpreting facts. The main aim of analysis is to determine problem areas and to take solutions to reduce or eliminate them.

➤ **System analysis itself breaks into two stages:**

- 1. Preliminary analysis**
- 2. Detailed analysis**

During analysis, data are collected from the available Files, decision points and transactions of the systems using Various tools like **Data Flow Diagram (DFD)**.

-: Feasibility Study :-

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements, only by spending the time to evaluate to feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study I need to concentrate on following area:

They are of Three types:

- 1. Technical**
- 2. Operational**
- 3. Economical**

➤ Technical :-

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced web-editing tools are available.

➤ Operational:-

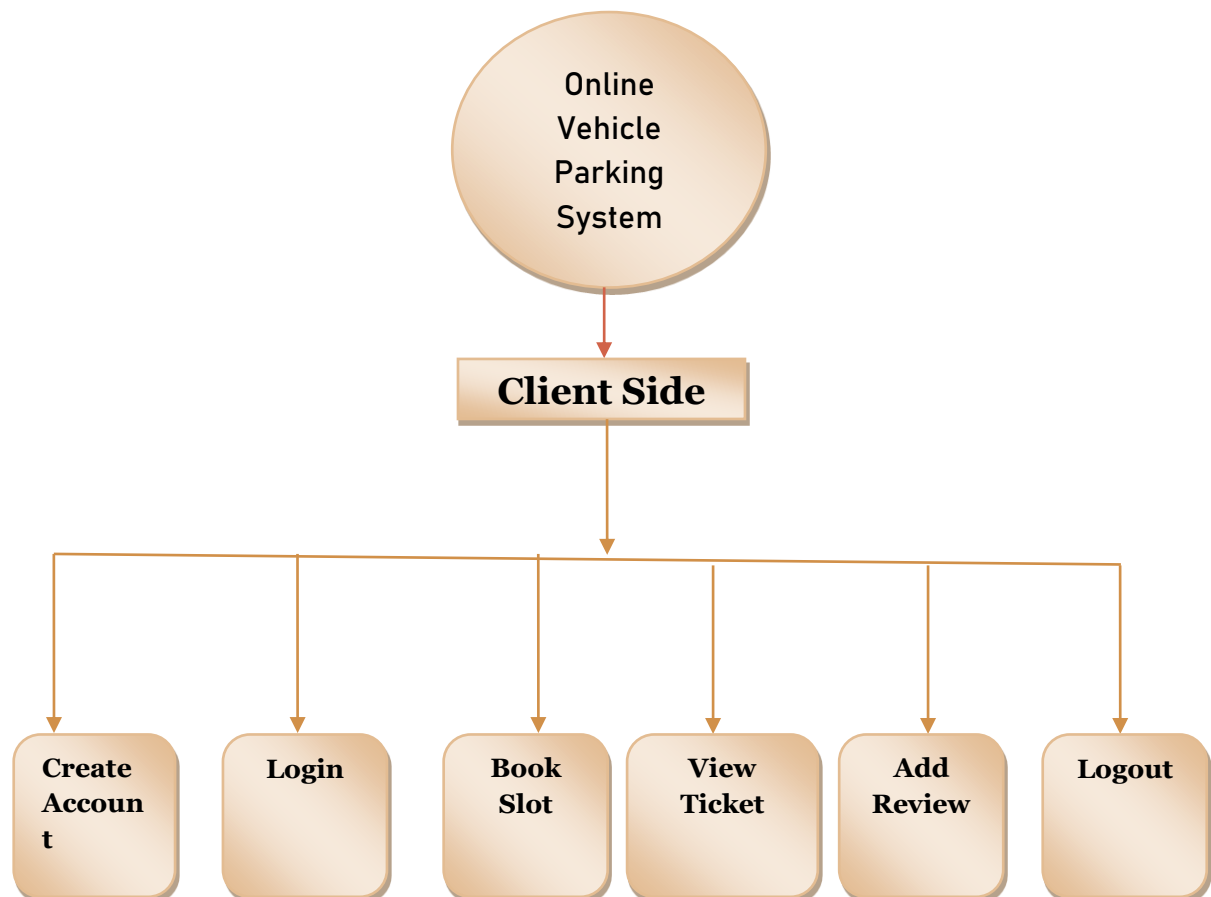
Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts has to have a website of its own sooner or later, that wasn't much of a problem.

➤ Economical:-

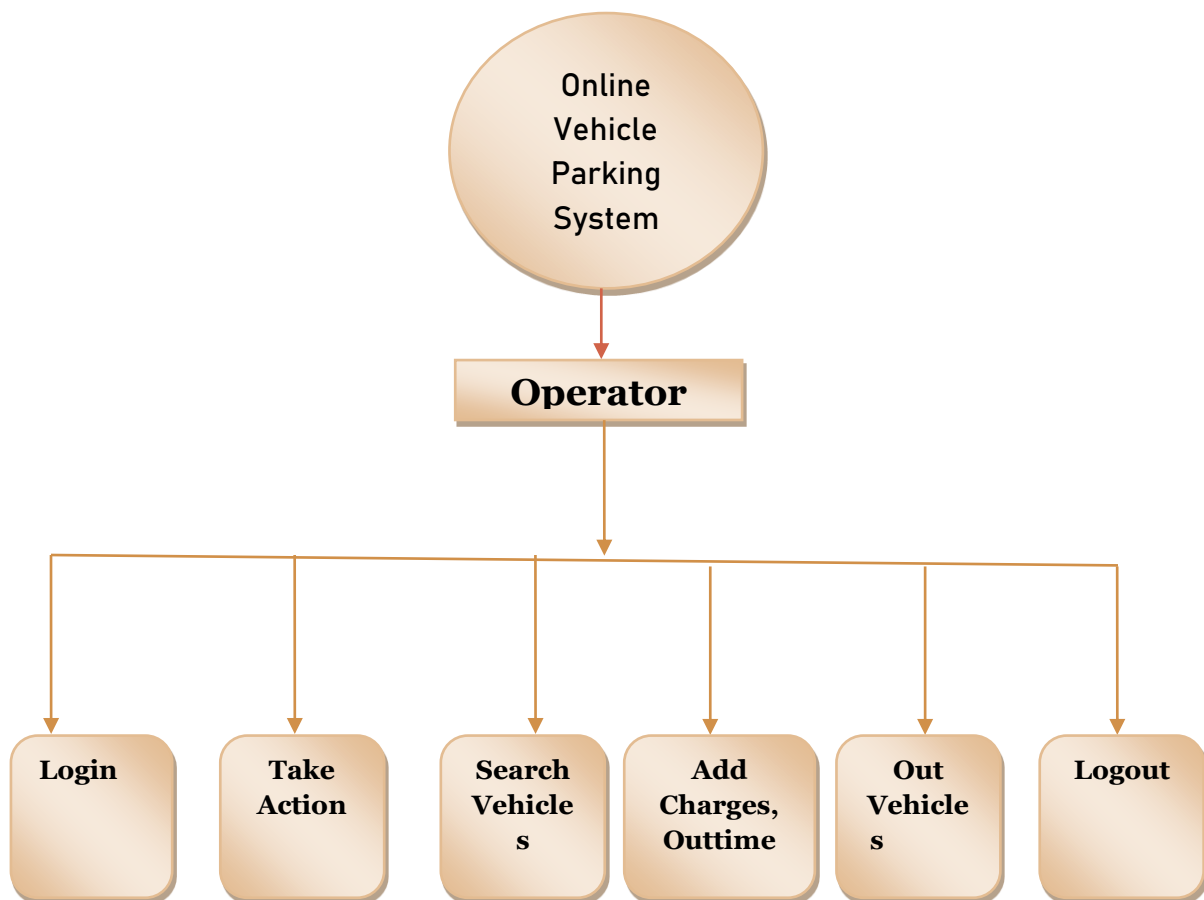
Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many time as per their requirement. So the future economical expenses are null. So we can say that this website is totally economically feasible.

-: Project Page Structure :-

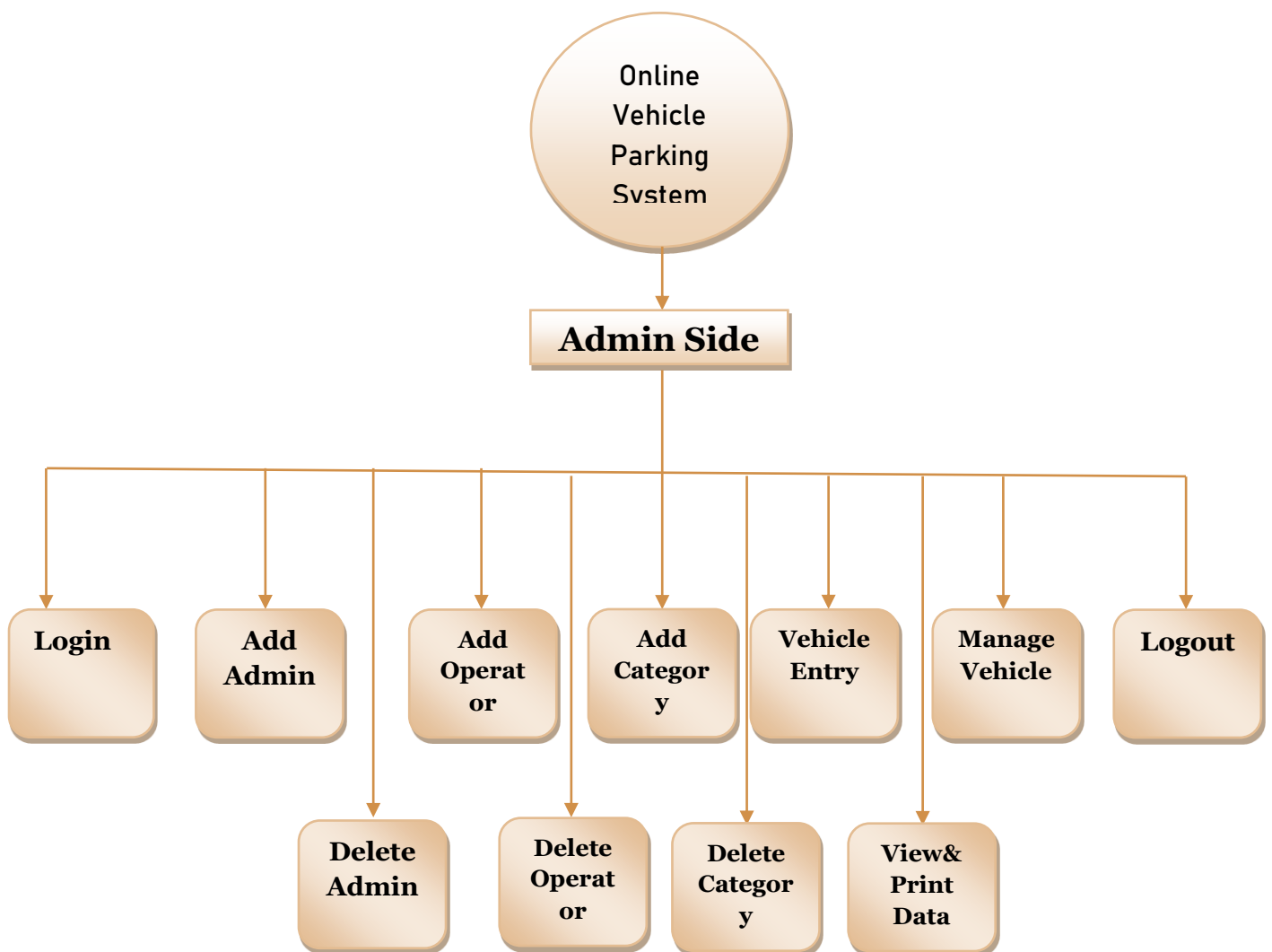
➤ Client Side:-



➤ Operator Side:-



➤ Admin Side:-



-: Data Dictionary :-

The data Dictionary is a set of table. MySQL uses it to maintain information about his own database.

➤ Data dictionary contains the following information:

- Name of the table of database.
- User information such as privileges.
- Name and data-type of all columns in database table.

Database name : vehicle-parking-db.sql

1.clients :-

➤ This table is used to stores the clients info.

Field	Type	Size	Constraint
c_id	int	11	Primary key
c_uname	varchar	255	-
c_email	varchar	200	-
c_pass	varchar	255	-
c_mobile	varchar	12	-
c_review	varchar	255	-

2.admin :-

➤ This table is used to store admin information.

Field	Type	Size	Constraint
ID	int	10	Primary key
AdminName	varchar	255	-
UserName	Longtext	-	-
MobileNumber	Longtext	-	-
U_mobile no.	varchar	10	-

3.c_review :-

➤ This table is used to store c_review information.

Field	Type	Size	Constraint
c_id	int	12	Primary key
c_uname	varchar	120	-
c_gmail	varchar	200	-
c_rev	varchar	255	-

4.opt :-

➤ This table is used to store opt information.

Field	Type	Size	Constraint
o_id	int	12	Primary key
o_name	varchar	255	-
o_mobile	varchar	255	-
o_email	varchar	200	-
o_pass	varchar	255	-

5.parea :-

➤ This table is used to store pareas details.

Field	Type	Size	Constraint
a_id	int	11	Primary key
a_name	varchar	255	-
a_limit	int	11	-

6.vcategory :-

➤ This table is used to store vcategory details.

Field	Type	Size	Constraint
ID	int	6	Primary key
VehicleCat	varchar	12	-
shortDescription	varchar	50	-
CreationDate	timestamp	-	-

7.vehicle info :-

➤ This table is used to store vehicle_info Details.

Field	Type	Size	Constraint
ID	int	10	Primary key
ParkingNumber	varchar	12	-
VehicleCategory	varchar	12	-
VehicleCompanyName	varchar	255	-
RegistrationNumber	varchar	255	-
OwnerName	varchar	255	-
OwnerContactNumber	bigint	12	-
a_id	int	11	-
OutTime	timestamp	15	-
ParkingCharge	int	12	-
Remark	mediumtext	255	-
status	varchar	15	-
ticket	varchar	12	-
email	varchar	200	-
intime	varchar	255	
date	varchar	255	

8.vout :-

➤ This table is used to vout Details.

Field	Type	Size	Constraint
id	int	11	Primary key
v_rn	varchar	255	-
c_name	varchar	100	-
cat	varchar	12	-
p_number	varchar	12	-
v_in_time	varchar	15	-
outtime	varchar	15	-
owner	varchar	255	-
owner_contact	varchar	12	-
charge	int	12	-
status	varchar	15	-
remark	varchar	255	-

9.contactus :-

➤ This table is used to contactus Details.

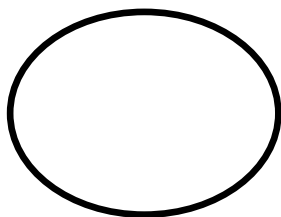
Field	Type	Size	Constraint
ID	int	11	Primary key
name	varchar	120	
email	varchar	120	
subject	varchar	255	
message	varchar	255	

-: Data Flow Diagram :-

The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system. The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system.



Represent Entity



Represent a System Processing

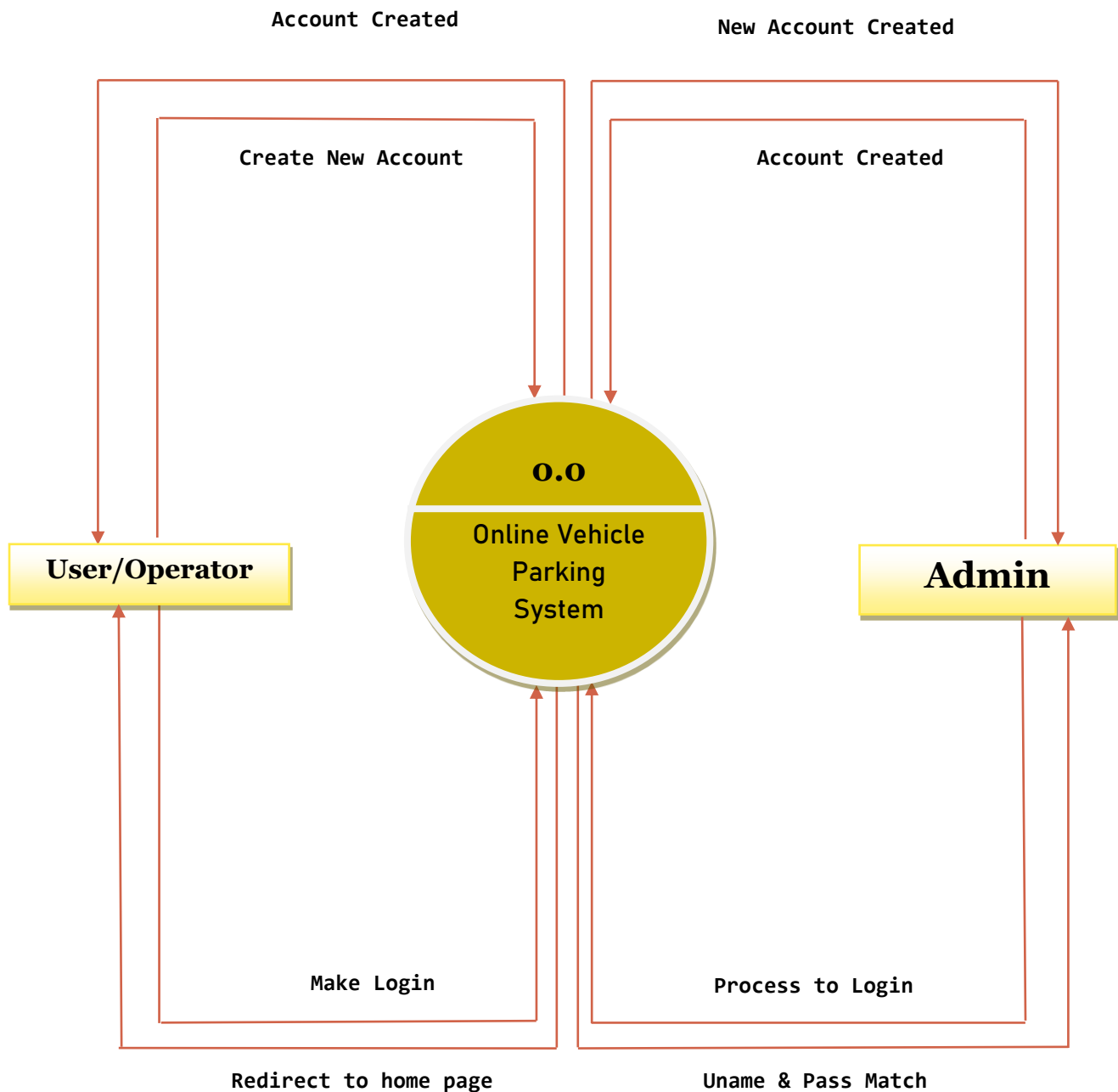


Represent a Data Flow

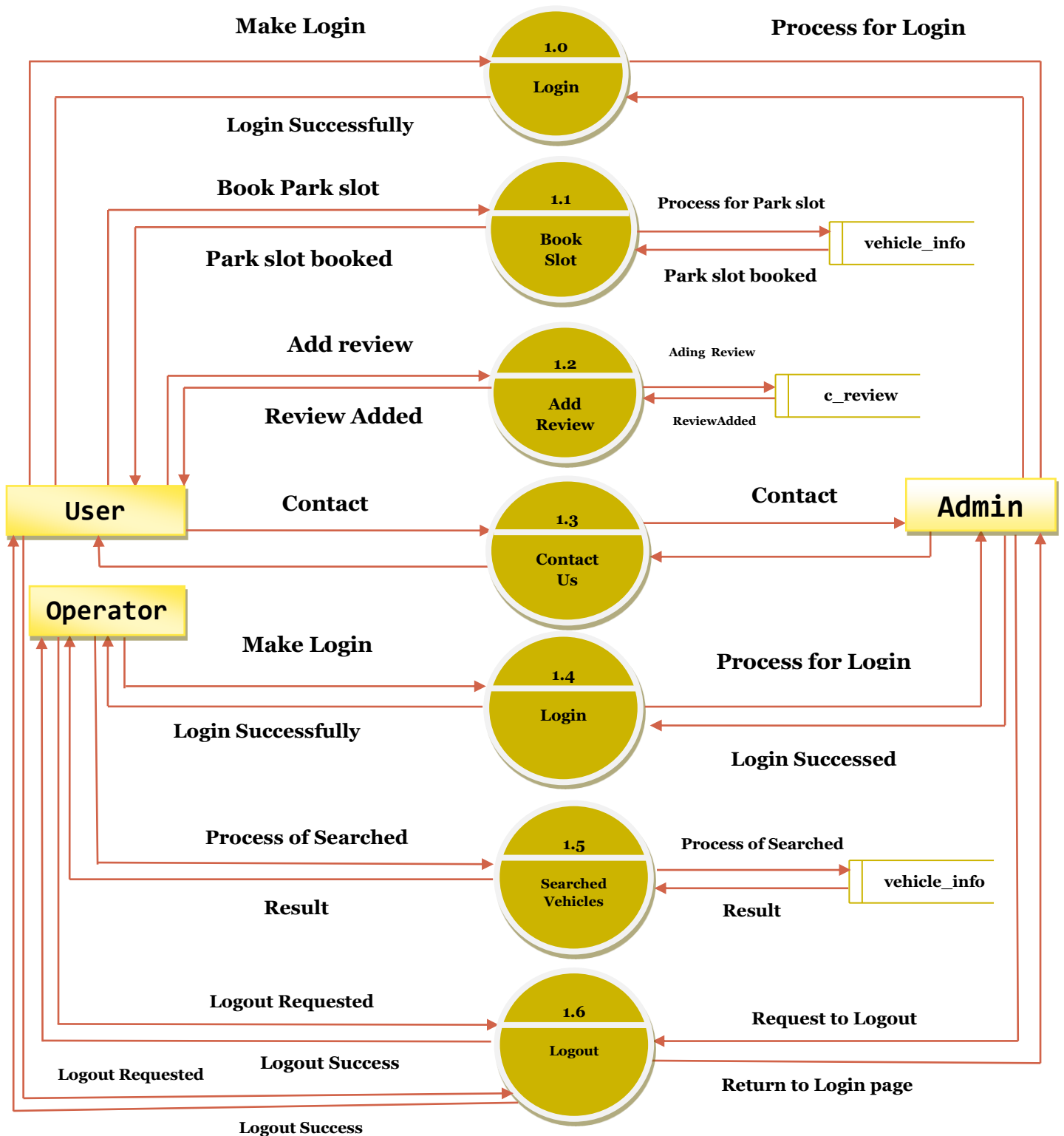


Represent a data store table

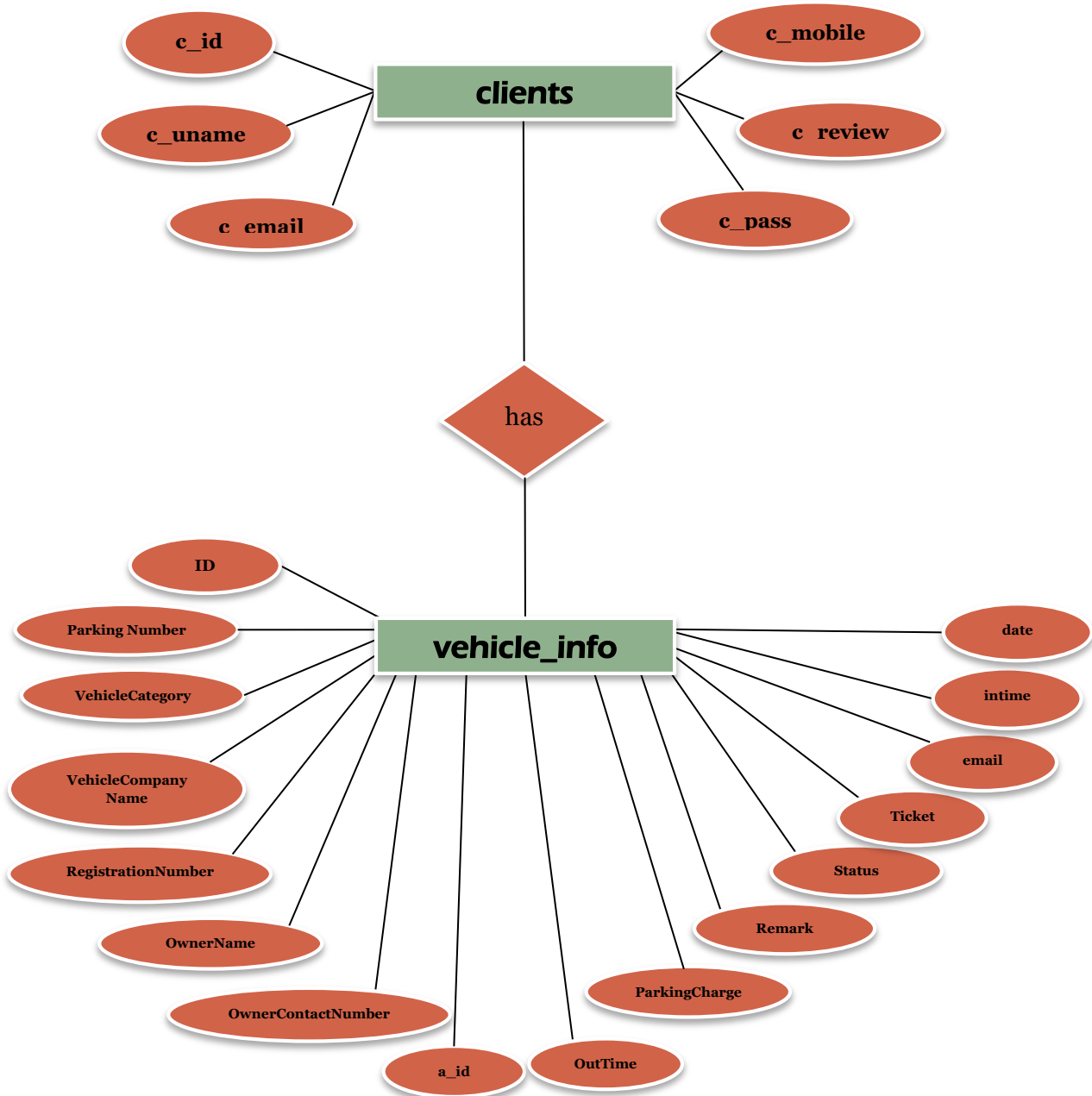
-:Context Level Diagram :-



-:1st Level Diagram :-

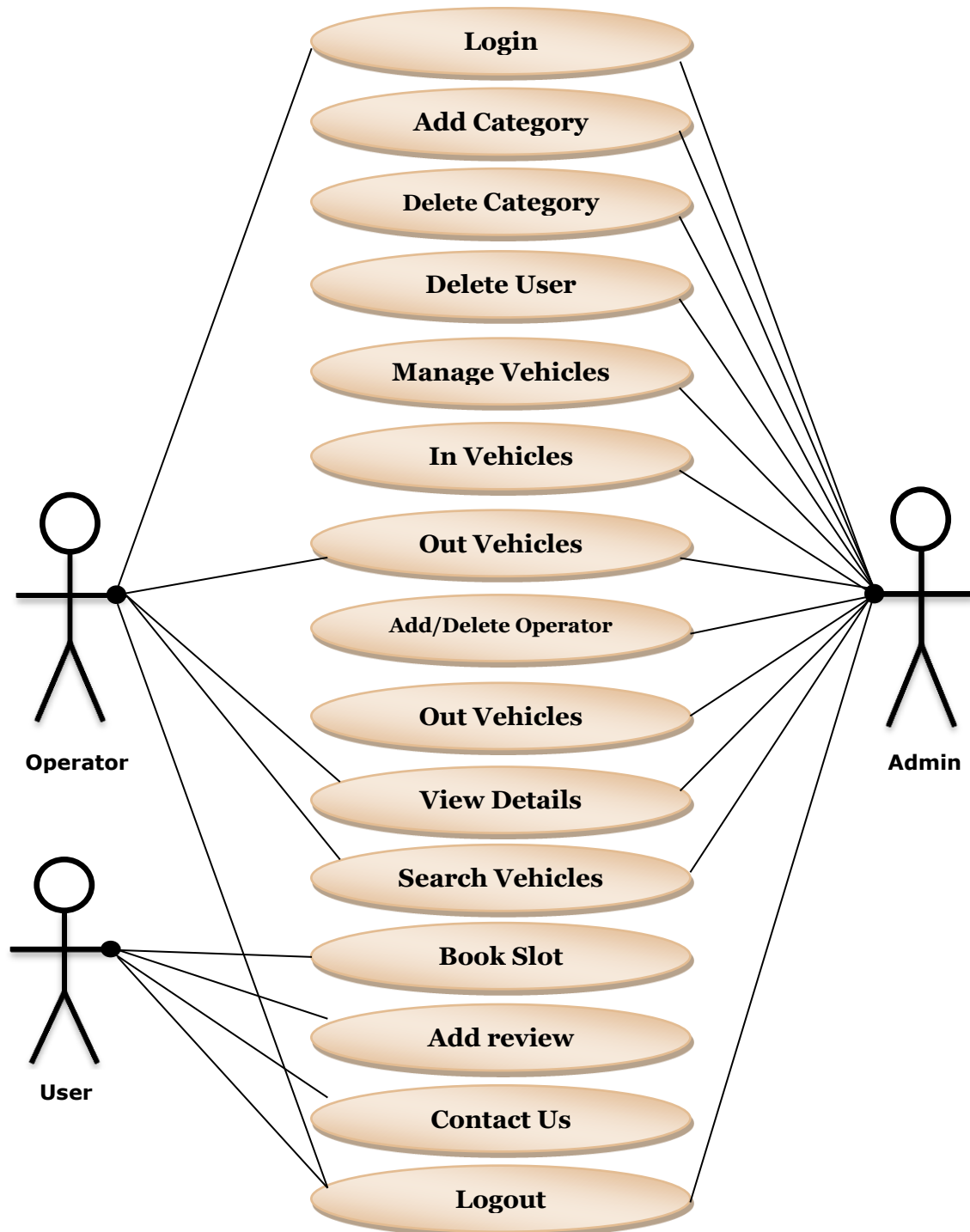


ER-Diagram :-



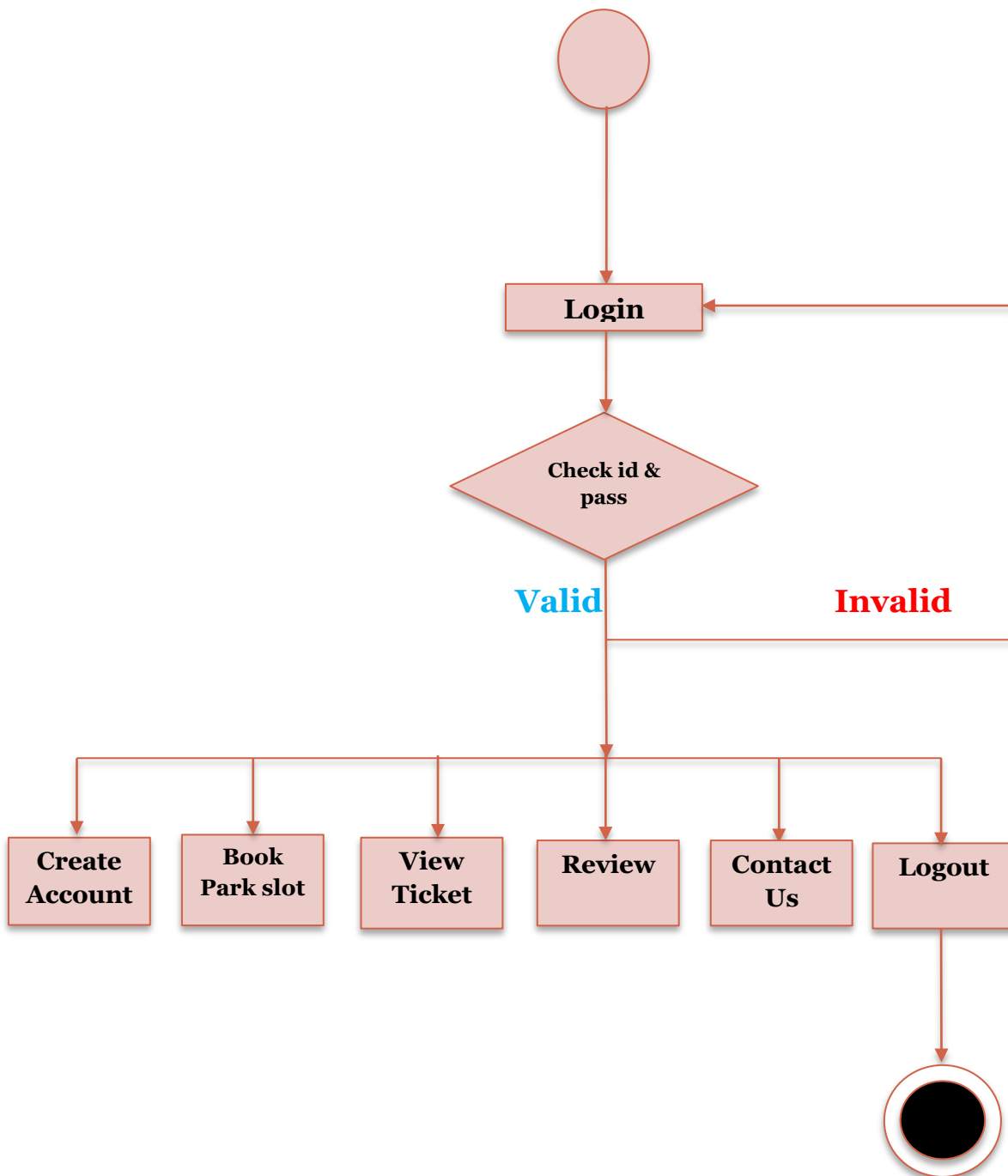
-: Usecase Diagram :-

Online Vehicle Parking System

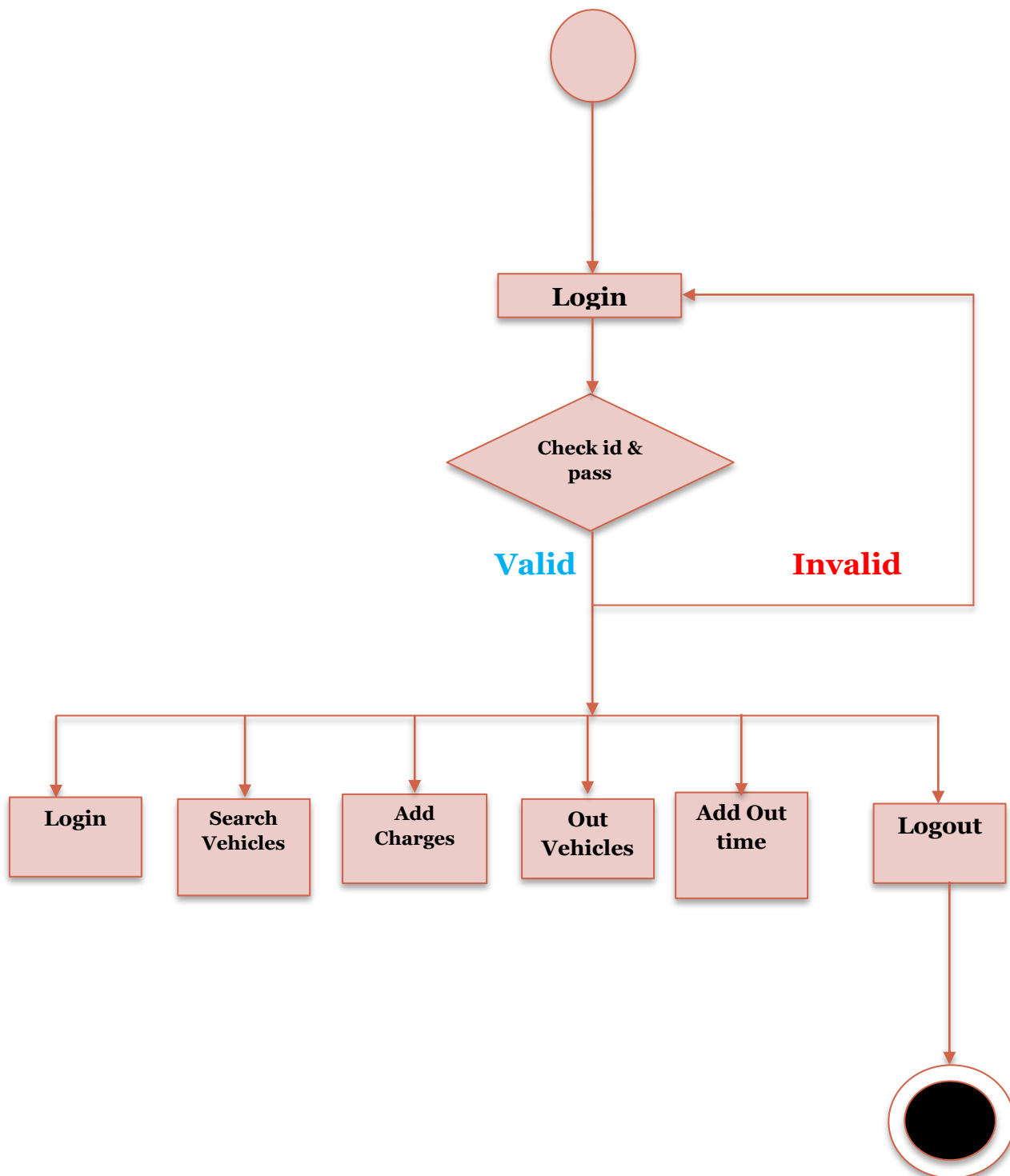


-: Activity Diagram :-

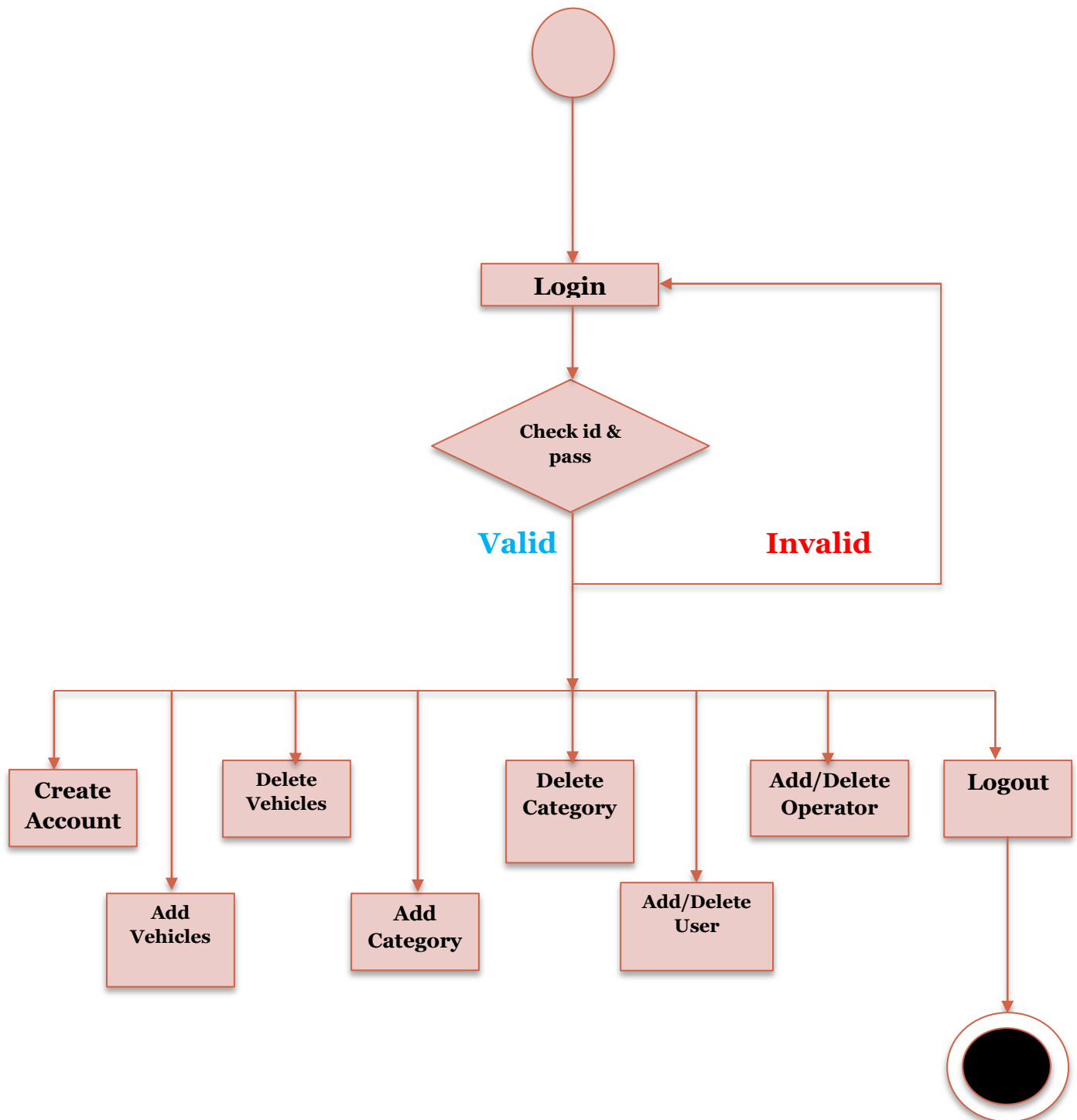
➤ Client Side:-



➤ **Operator Side:-**



➤ **Admin Side:-**



-: ScreenShots:-

Admin Login Page:-

Vehicle Parking System

Please Log In To Continue


Username

Password

Login

Admin Dashboard:-

PARK.ME 😊

 Admin
ONLINE

Dashboard

Vehicle Category

Vehicle Entry

IN Vehicles

OUT Vehicles




Dashboard

Good Afternoon, vivek



1
VEHICLES IN

6
VEHICLES OUT

ADMIN

#	Admin Name	Email	Actions
1	devang	deep@gmail.com	
2	vivek	viv@gmail.com	
3	jenish	jenish@gmail.com	

USER

#	User Name	Mobile	Password	
1	deep	87878787	123	
2	biren	1234567890	123	

OPERATOR

Vehicle Category Page:-

The screenshot shows the 'Vehicle Category Management' page. On the left is a sidebar with the user 'Admin' (ONLINE) and navigation links: Dashboard, Vehicle Category, Vehicle Entry, IN Vehicles, and OUT Vehicles. The main content area has a header 'Vehicle Categories' with an 'Add New Vehicle Category' button. Below this is a table with 3 entries. The table has columns for '#', 'Vehicle Category', 'Published On', and 'Actions'. The entries are: 1. Two Wheeler (2019-07-05 16:07:09), 2. Three Wheeler (2021-03-07 21:41:57), and 3. Four Wheeler (2022-08-27 09:02:40). Each entry has edit and delete icons in the Actions column. At the bottom, it says 'Showing 1 to 3 of 3 entries' with 'Previous' and 'Next' buttons. A footer note reads '© 2022 - RIGHTS RESERVED BY TEAM PARK.ME'.

#	Vehicle Category	Published On	Actions
1	Two Wheeler	2019-07-05 16:07:09	Edit Delete
2	Three Wheeler	2021-03-07 21:41:57	Edit Delete
3	Four Wheeler	2022-08-27 09:02:40	Edit Delete

Vehicle entry Page:-

The screenshot shows the 'Vehicle Entry' form. The sidebar is the same as the previous page, but 'Vehicle Entry' is now selected. The form fields include: 'Registration Number' (text input with 'LOL-1869'), 'Vehicle's Company Name' (text input with 'Tesla'), 'Vehicle Category' (dropdown menu with 'Select Category'), 'Owner's Full Name' (text input with 'Enter Here..'), 'Owner's Contact' (text input with 'Enter Here..'), 'Parking Area' (dropdown menu with '--Select Area--'), and a radio button for 'Do you have document related to vehicle ?' (selected 'Yes'). There are also 'Date' and 'Time' input fields. At the bottom are 'Submit' and 'Reset' buttons. A footer note reads '© 2022 - RIGHTS RESERVED BY TEAM PARK.ME'. An 'Activate Windows' watermark is visible in the bottom right corner.

In Vehicle Page:-

PARK.ME Admin ONLINE

Dashboard

Vehicle Category

Vehicle Entry

IN Vehicles

OUT Vehicles

Incoming Vehicle Management

Incoming Vehicles

Show 10 entries

Search:

#	Vehicle No.	Company	Category	InTime	Vehicle's Owner	ticket No	email	date	
1	GJ-4205	Hero	Two Wheeler	13:07	Jenish Mac	26316	Admin	2022-09-30	Take Action

Showing 1 to 1 of 1 entries

[Previous](#) [Next](#)

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Activate Windows
Go to Settings to activate Windows.

Out Vehicle Page:-

PARK.ME Admin ONLINE

Dashboard

Vehicle Category

Vehicle Entry

IN Vehicles

OUT Vehicles

Outgoing Vehicle Management

Outgoing Vehicles

Show 10 entries

Search:

#	Vehicle No.	Company	Category	Charge	Vehicle's Owner	
1	GUJ-5020	tesla	Four Wheeler	\$1	deep	View Details Edit Delete
2	LOLZZGAMING	tesla	Four Wheeler	\$1	deep	View Details Edit Delete
3	GJ-14-AM-4205	Tesla	Four Wheeler	\$50	jenish	View Details Edit Delete
4	GJ-14-AM-4205	Tesla	Two Wheeler	\$5	jenish	View Details Edit Delete
5	GJ-14-AM-4205	Tesla	Four Wheeler	\$5	jay	View Details Edit Delete
6	GJ-14-AM-4205	Tesla	Four Wheeler	\$5	jenish	View Details Edit Delete

Showing 1 to 6 of 6 entries

[Previous](#) [Next](#)

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Activate Windows
Go to Settings to activate Windows.

Add Operator Page:-

Vehicle Parking System

Add Operator

Add

Activate Windows
Go to Settings to activate Windows.

Add Opinion Page:-

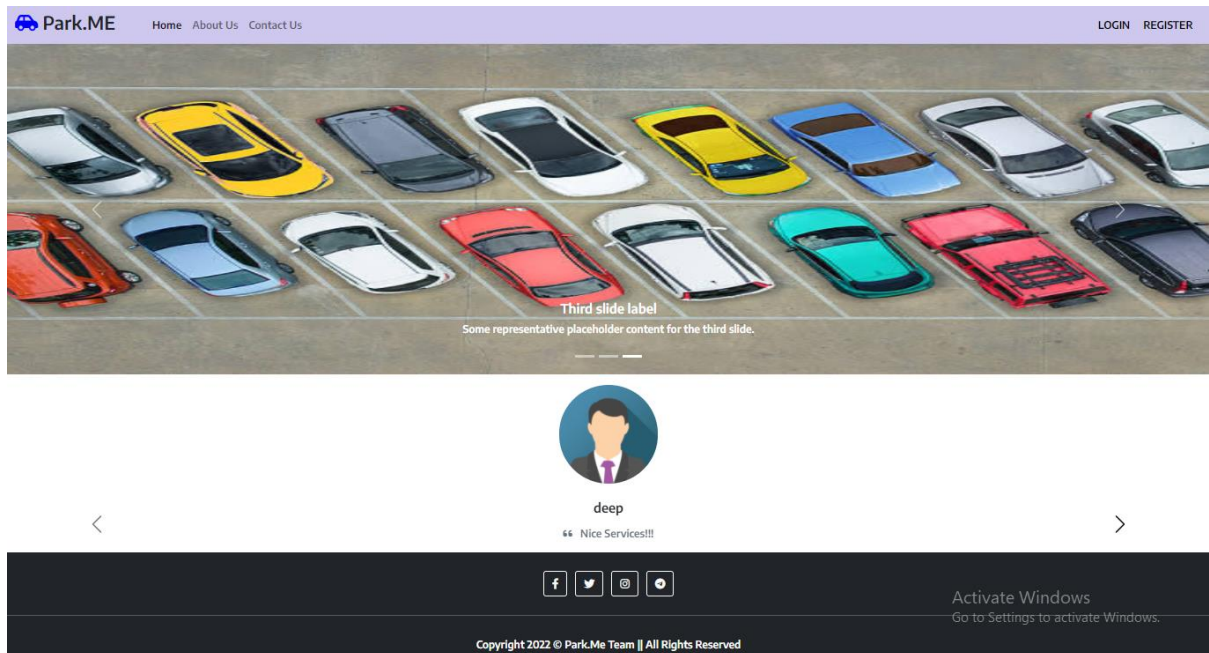
Vehicle Parking System

Add Admin

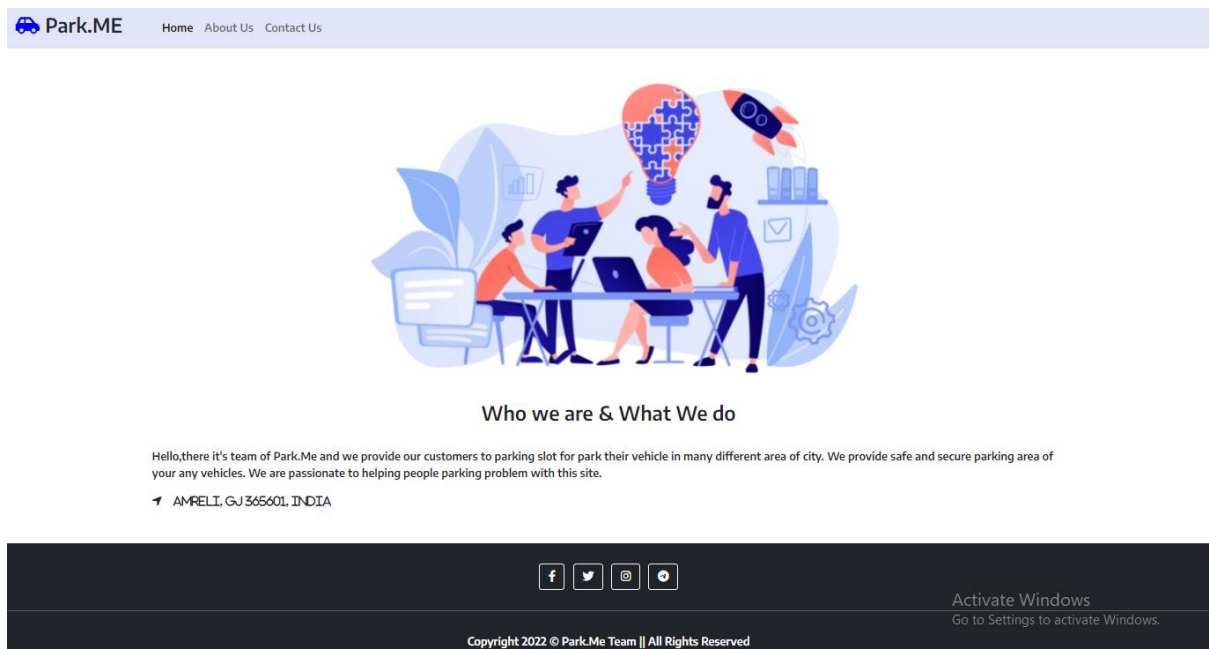
Add

Activate Windows
Go to Settings to activate Windows.


Client Side Home Page:-



About us Page:-




Contact us Page:-

 Park.ME

[Home](#) [About Us](#) [Contact Us](#)

CONTACT US



Do you have any questions? Please do not hesitate to contact us directly. Our team will come back to you within a matter of hours to help you.


Name

Email address

Activate Windows
Go to Settings to activate Windows.

Clients Login Page:-

Log in



Email address

Password

[Sign in](#)

Activate Windows
Go to Settings to activate Windows.

Clients Sign up Page:-

Sign up

USER NAME

Your Email

Password


MOBILE

Register



Activate Windows
Go to Settings to activate Windows.

Booking Page:-

 **Park.ME** Home About Us Contact Us

Vehicle Entry

Registration Number

Vehicle's Company Name

Vehicle Category

Owner's Full Name

Owner's Contact

Parking Area


Do you have document related to vehicle ?
☒ Yes ☐ NO

Date

Time

Activate Windows
Go to Settings to activate Windows.

AddReview Page:-

 Park.ME

[Home](#) [About Us](#) [Contact Us](#)


Name

Discription

Write your thoughts

Activate Windows
Go to Settings to activate Windows.

ViewTicket Page:-

 Park.ME

[Home](#) [About Us](#) [Contact Us](#)

Ticket

**Your Vehicle Has Booked
Successfully**

Your Ticket Number Is: 90483

[View More](#)


Activate Windows
Go to Settings to activate Windows.


Operator Login Page:-**Log in**
Email address

Password

Activate Windows
Go to Settings to activate Windows.

Operator Dashboard Page:-

Park.ME

Online

[Dashboard](#)

[Search](#)

Dashboard

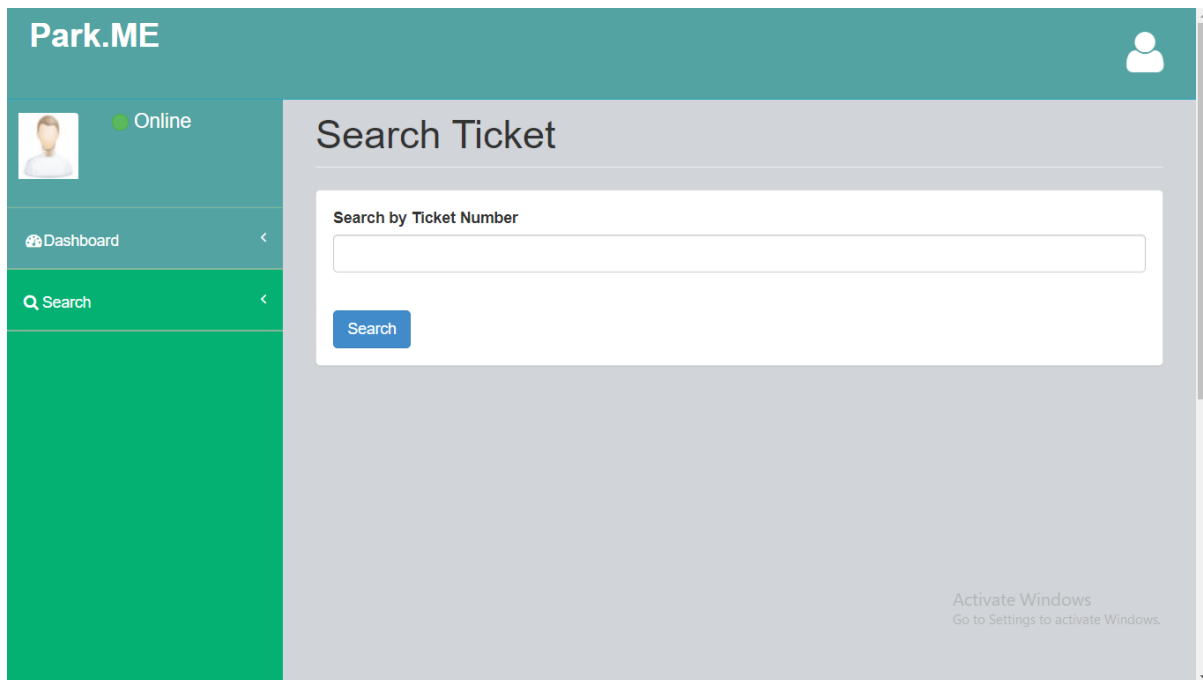
Incoming Vehicle Management

Incoming Vehicles

#	Vehicle No.	Company	Category	Parking Number	Vehicle's Owner	Ticket NO	Email	
1	GJ-4205	Hero	Four Wheeler	CA-66222	jay	90483	vivek@gmail.com	Take Action
2	GJ-4205	Hero	Two Wheeler	CA-17342	Jenish Mac	26316	Admin	Take Action

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Activate Windows
Go to Settings to activate Windows.

Opt Search Vehicles Page:-**Opt Search Vehicles Page:-**

-: Future Scope :-

The Future Scope of our website is to provide the more functionality and features . And the site provides feedback facility to the user.

-: Bibliography :-

- www.google.com
- www.bootstrap.com

Thank you for check it out our project !