Project Report On

RideEzy

Get information of Drivers &Vehicles

Diploma in Advance Computing CDAC
Infoway Institute

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1. Introduction of Project:

As much as we like to travel or move to new places either for the purpose of study or work we are constantly worried about one thing, How I travel from one place to another. Where will I find a good Vehicle or Driver for traveling? In this web application we tried to provide a one best solution to all these problems.

The main objective of this project is to integrate drivers and vehicle owners such that drivers will get employment as their primary income even if they do not have their own vehicle but having proper driving skills.

On the other side the person who has commercial vehicles like cars can get passive income while they are not using their vehicle.

The people who do not own any such commercial vehicle but if for a while they need one car, for them no need to request some people directly. They can get vehicles on rent along with the drivers if needed.

This web application provides information of vehicle or driver or both vehicle and driver online with your location on one platform. A user can look for a vehicle and driver based on his specialties and location.

2. Product Overview and Summary

- To bring driver (who is looking for a driving job), vehicle owner (who is willing to generate passive income) and customer/user (who need vehicles on rent for a while) at one centralized platform.

- To provide employment for skilled drivers

- To generate passive income for the people who have mobility assets.

- To provide special service to the people (customers) i.e. easy mode of travel with rental car.
- To save hectic situation for vehicle owner in searching trusted driver.

Modification and improvement over the existing Implementation:

Present State: Currently there are lots of private companies provide such service to the customers almost in all regions of INDIA. But there is no such platform which integrate both vehicle and driver.Our platform provide these services.

After implementation of project: After this project the person who owns vehicle do not have to worry about renting his/her vehicle because he can upload his information on our website the he/she can get employment. And also skilled driver who don't have vehicle the he/she can upload his information on our platform and can get employment.

With this project the normal customer/user, vehicle owner and driver are bring into a single centralized system. Driver will be become self employed based on his contract with the business. Vehicle owner gets a passive income. The normal person(customer/user) will get car or trip very easily at ground level.

Project Plan:

No. of User's and Modules:

Users: 1.Admin 2.Driver 3.Vehicle Owner 4.Customer/User

Modules:

1. Admin Module:

Admin will be provided with the dashboard from where he will be able to monitor all other modules. Dashboard will consist of four major modules such as Drivers, Vehicle Owner, Customer, Reviews and Feedback(Future Scope).

Admin will receive notifications when other users such driver, vehicle owner register on website.

2. Driver Login Module:

In this module driver will be able to see about his account details. He will be able edit his profile details, can change settings provided by the website. Driver will see all the details about his work i.e. his recent trips, reviews and ratings or any other related details.

Driver will be notified in this module when any user select the driver for the trip such detail will be shown in Active trips or New trips tab.

3. Customer Login Module:

In this module customer will see all the details related to his/her activity on this websites such as recent get information of, or he/she will be able to do get information of.

4. Vehicle Owner Login Module:

In this module the vehicle owner will be able to see the information about his vehicles such as get information of done for his/her vehicle, which trips and his live income as decided in business deal i.e. current earnings. He/she can add other vehicle or return the vehicle from the service.

Feasibility Study

It is important to analyze whether it is feasible to develop a project or not and that can it be completed in given time or not.

Before developing and implementing a system we have to make sure that the system is feasible in the following ways

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

1. Technical Feasibility:

In this type of feasibility study, the system analyst has to check whether it is possible or not to develop the requested system with availability of manpower, software, hardware, etc.

2. Operational Feasibility:

In this type of feasibility study the operation implementation of the system is considered. Checking is done regarding whether it is feasible for the user department to use the framework. Thus, the proposed system is said to be operationally feasible only if the clients are able to understand the system clearly and correctly and can use the system with ease.

3. Economical Feasibility:

In this type of feasibility study, the benefits of the system to the organization are considered by taking into consideration the cost-benefit analysis. The minimal requirement for this is a computer and an internet connection, which is available to everyone nowadays. Also, with the basic understanding user can use this system, thus reducing the training cost to the organization

Overall Description:

Product Features

The main feature of this system is that the users can get information of the vehicle or driver from nearby location. This is beneficial for user as it saves their precious time & efforts. Users can also look for driver with less efforts.

Technologies Used

J2EE
Spring-boot

DATABASE

MYSQL

FRONT END

React Js
Bootstrap

User Classes

There are two types of user to this system:

1.) **Admin**: Admin can add or remove users, additionally admin can remove vehicles as well driver from application. He/she also maintains the overall system.

2.) **User**: User can find a vehicle with driver availability if he/she want for particular time slot of their convenience nearby location. User also can enroll self as driver for income purpose and also add his vehicle for making the massive income from the app.

- Challenges To Get information of Vehicle/Driver Online To and Through Existing System –

1. **Single Platform Multiple Get information of Types -** If you are willing to Add multiple types of Drivers or vehicles on Website then, It Has to definitely require an option to select Proper information of Vehicle/Driver type as per Application requirement.

2. **Slot Management Close Get information of -** What if you are planning a vacation & want to prevent Hectic Travelling & need to get information of Vehicle/Drivers on specific days? If this is the case, you definitely require a system that lets you close certain dates to avoid get information of on those dates. Let's understand this with a live example :- Suppose you run an online Vehicle Management business. You want to get close information of some of your vehicles as the Vehicles under Repair or Servicing Requirement. So, this can only be achieved if you get information of system & will have this feature to restrict get information of on specific days.

3. **Get information and Cancellation Option for Customers -** It's always been challenging to manage & get Absolute information of driver and vehicle on a single platform .If you provide the information option to customers, you will frequently receive tons of get information and cancellation requests from the customers that are too complex to manage. On the other hand, if you will not provide the cancel option to your customers, you will be flooded with Request or probably start receiving spams. This may also result in a large number of no-shows if the customers find no option to cancel. So, it's beneficial to have a system in such a way that customers can request the Admin/Company to cancel their Requirement rather than offering them a direct cancel option. One thing you can do is just restrict Details for the customer based on their emails.

4. **Price Per Get information of Time Slot Management -** It's quite complex to manually set up a different price for each Vehicle/Driver slot. In order to have a flexible price for each Vehicle/Driver, your online system should be capable enough to show a different slot price of the

same Vehicle/Driver of Service on different dates. Let's understand it with a simple example. One Live example you might have observed**:**– You see a little variation in the price of the Vehicle Booking if you book the Car on week-days and if you book them on weekends. This means that the Booking service provided to you is the same but the slot price varies based on the slot you select. **How is it profitable?** People mainly prefer to Travel on weekends. So, you can keep up the Vehicle Price price high for the weekend & earn more from each Booking. It's been quite clear that your Booking of system must provide the option to create price rules based on which you can set a different slot price for the same product or services.

5. **Streamline Online information of Process -** Don't let your User confused once they visit your website to schedule appointments online. This is ultimately a real-time interaction between you & your user who visit your website to have look on the products or services. So, it's always been challenging to identify the bottlenecks that eventually leads to an obstacle for the online system. Just pick them out & build up your system in such a way that users find it a cakewalk to Look for services on your website**.** Thus, streamline your get information of process and provide a better experience for your customers.

6. **Handle Customer Complaints** - If you are in an eCommerce business, you have to deal with customer complaints. Your customer may have a bad experience with your service but the main challenge is to handle such situations with grace. Sometimes, you may come across such situations when your customer is having an incorrect assumption regarding your product or service. So, it's important to know their concerns, acknowledge their problems and provide them a satisfactory solution for their problems. And for this, you need to provide the option on your get information of website from where customers can raise their issues.

Wrapping Up -

Despite all the above challenges, the online industry is booming at a very higher pace. People rely more on online to get information of whether it's a flight, movie ticket get information of, hotel get information of or **get information of Vehicle/Driver**. So, if We are willing to establish a stable, powerful and profitable online get information of system, We need to find out a profitable way to overcome these challenges and get a boost to Our online sales & revenue growth.

Table Structures:
1.Registration:

Field	Type	Null	Key	Default
id	int	No	Pri	Null
address	varchar	Yes		Null
city	varchar	Yes		Null
date_Of_Birth	varchar	Yes		Null
email	varchar	Yes	Uni	Null
first_Name	varchar	No		Null
gender	varchar	Yes		Null
last_Name	varchar	No		Null
mobile_no	varchar	Yes		Null
password	varchar	No		Null
user_Image	varchar	Yes		Null

2.Drivers:

Field	Type	Null	Key	Default
d_id	Int	No	Pri	Null
d_address	varchar(255)	Yes		Null
d_alt_mob_no	varchar(255)	Yes		Null
d_blood_group	varchar(255)	Yes		Null
d_city	varchar(255)	Yes		Null
d_dob	varchar(255)	Yes		Null
d_education	varchar(255)	Yes		Null
d_first_name	varchar(255)	Yes		Null
d_gender	varchar(255)	Yes		Null
d_known_languages	varchar(255)	Yes		Null
d_last_name	varchar(255)	Yes		Null
d_ratings	varchar(255)	Yes		Null
d_riding_experience	varchar(255)	Yes		Null
driver_image	varchar(255)	Yes		Null
driver_category_id	Int	Yes	Mul	Null
user_id	Int	Yes	Mul	Null
driver_fitness_certificate_image	varchar(255)	Yes		Null
driver_agreement_image	varchar(255)	Yes		Null
driving_license_image	varchar(255)	Yes		Null
about	varchar(255)	Yes		Null

3.Driver Category:

Field	Type	Null	Key	Default
d_category_id	Int	No	pri	NULL
d_category_description	varchar(255)	Yes		NULL
d_category_title	varchar(100)	No		NULL

4.Driver Ratings:

Field	Type	Null	Key	Default
d_rating_id	int	No	Pri	Null
d_no_of_stars	int	No		Null
Driver_d_id	int	Yes	mul	Null

5.Vehicle:

Field	Type	Null	Key	Default
Id	Int	No	Pri	Null
air_condition	varchar(255)	Yes		Null
City	varchar(255)	Yes		Null
fuel_type	varchar(255)	Yes		Null
luggage_capacity	varchar(255)	Yes		Null
mileage	varchar(255)	Yes		Null
model	varchar(255)	Yes		Null
Number	varchar(255)	Yes		Null
seating_capacity	varchar(255)	Yes		Null
Transmission	varchar(255)	Yes		Null
vehicle_image	varchar(255)	Yes		Null
category_id	Int	Yes	Mul	Null
user_id	Int	Yes	Mul	Null
Vehiclercimage	varchar(255)	Yes		Null
vehiclepucimage	varchar(255)	Yes		Null
vehicle_insurance_image	varchar(255)	Yes		Null
vehicle_agreement_image	varchar(255)	Yes		Null

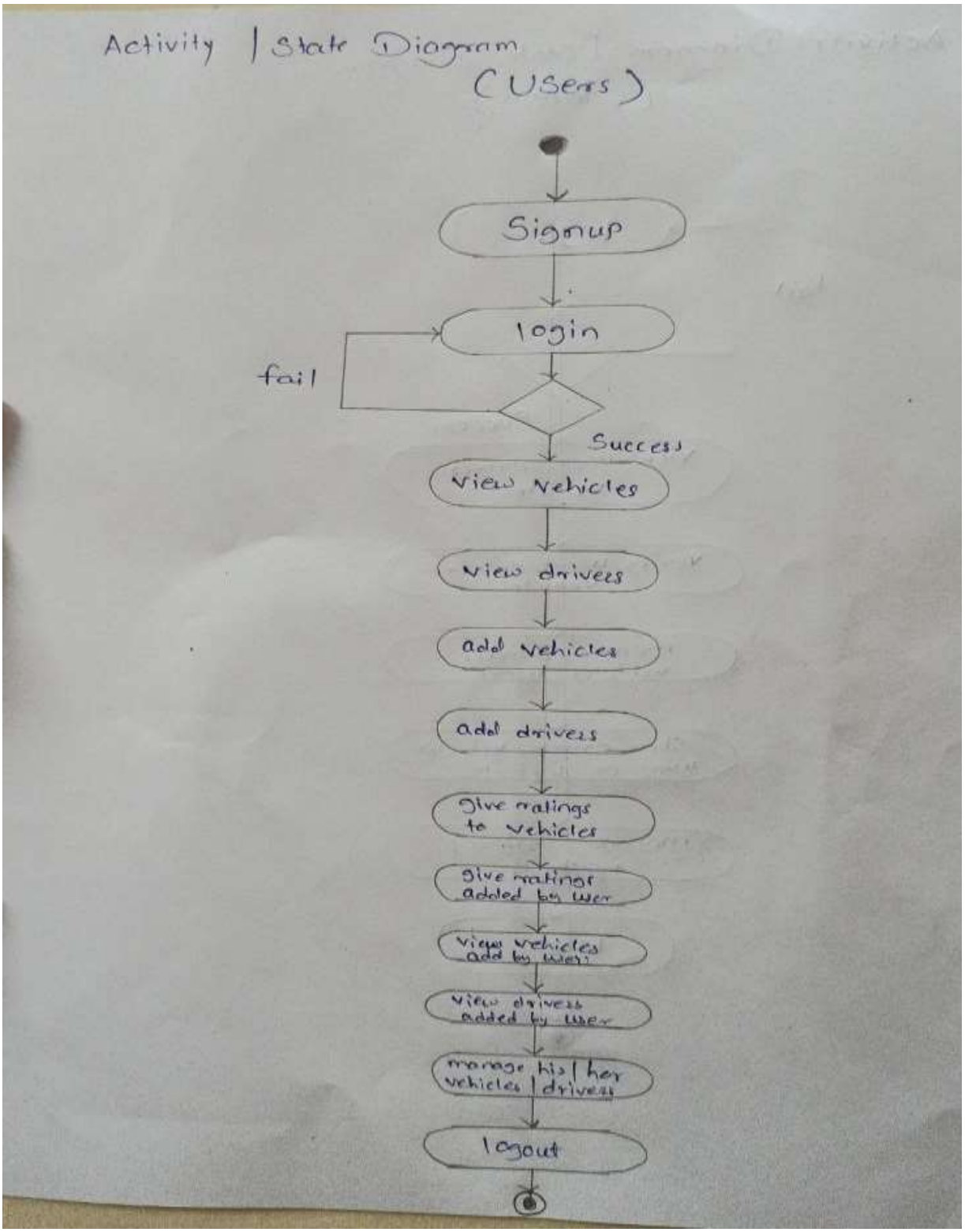
6.Vehicle Category:

Field	Type	Null	Key	Default
rating_id	Int	No	Pri	Null
description	varchar(255)	Yes		Null
title	varchar(100)	No		Null

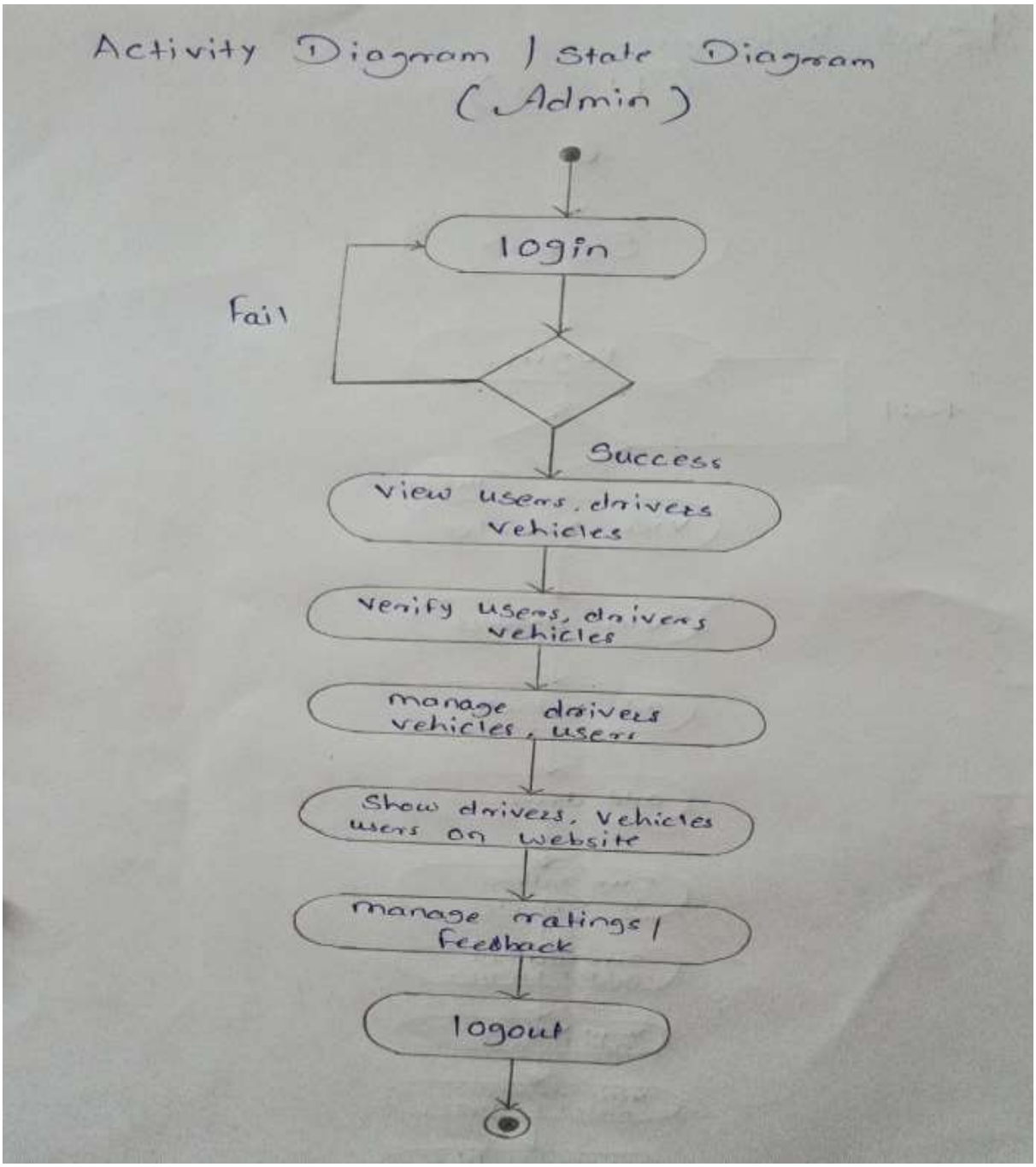
7.Vehicle Rating:

Field	Type	Null	Key	Default
rating_id	Int	No	Pri	Null
no_of_stars	Int	No		Null
vehicle_id	Int	Yes	Mul	Null

Activity Diagram :
User.

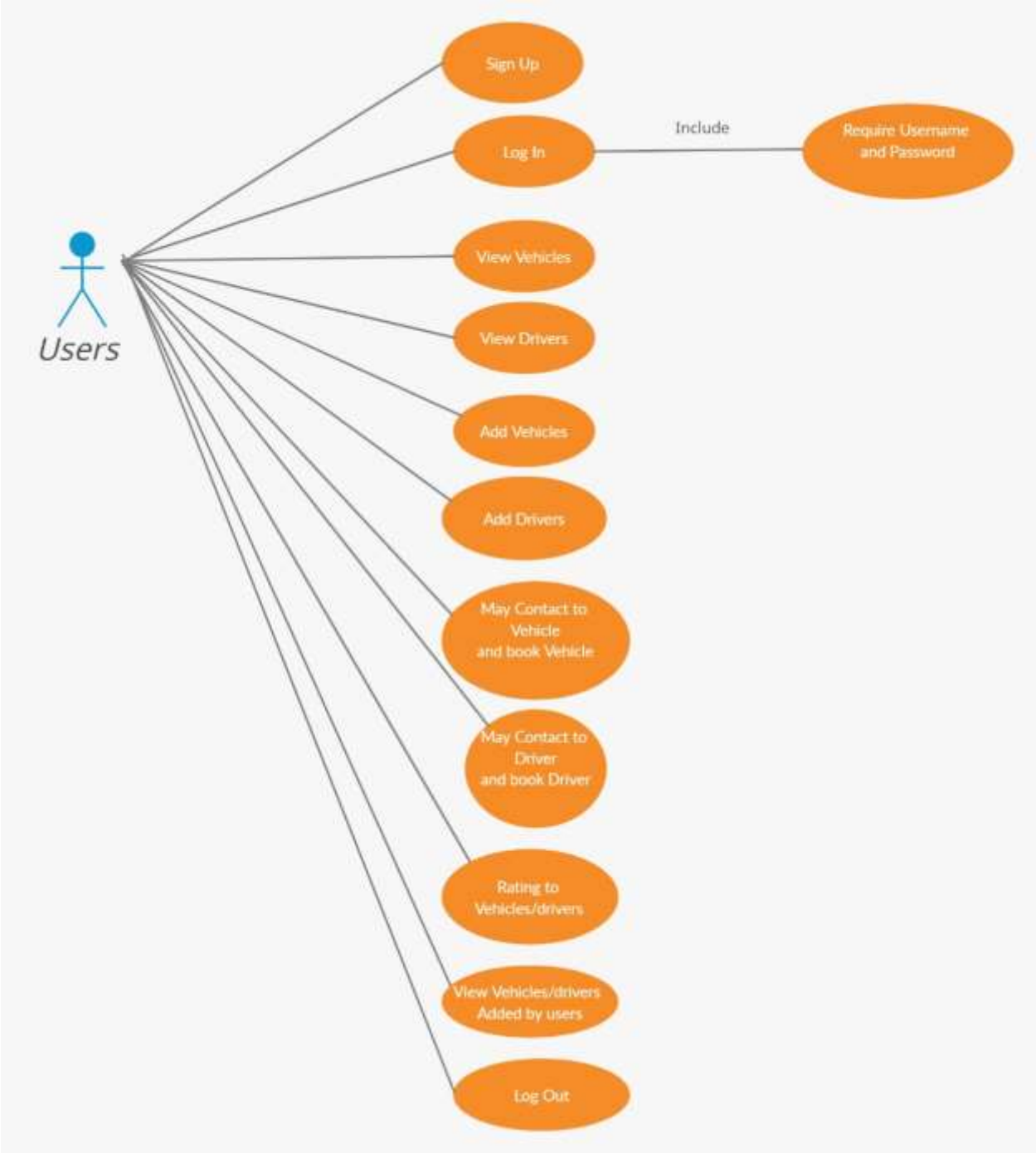


Admin

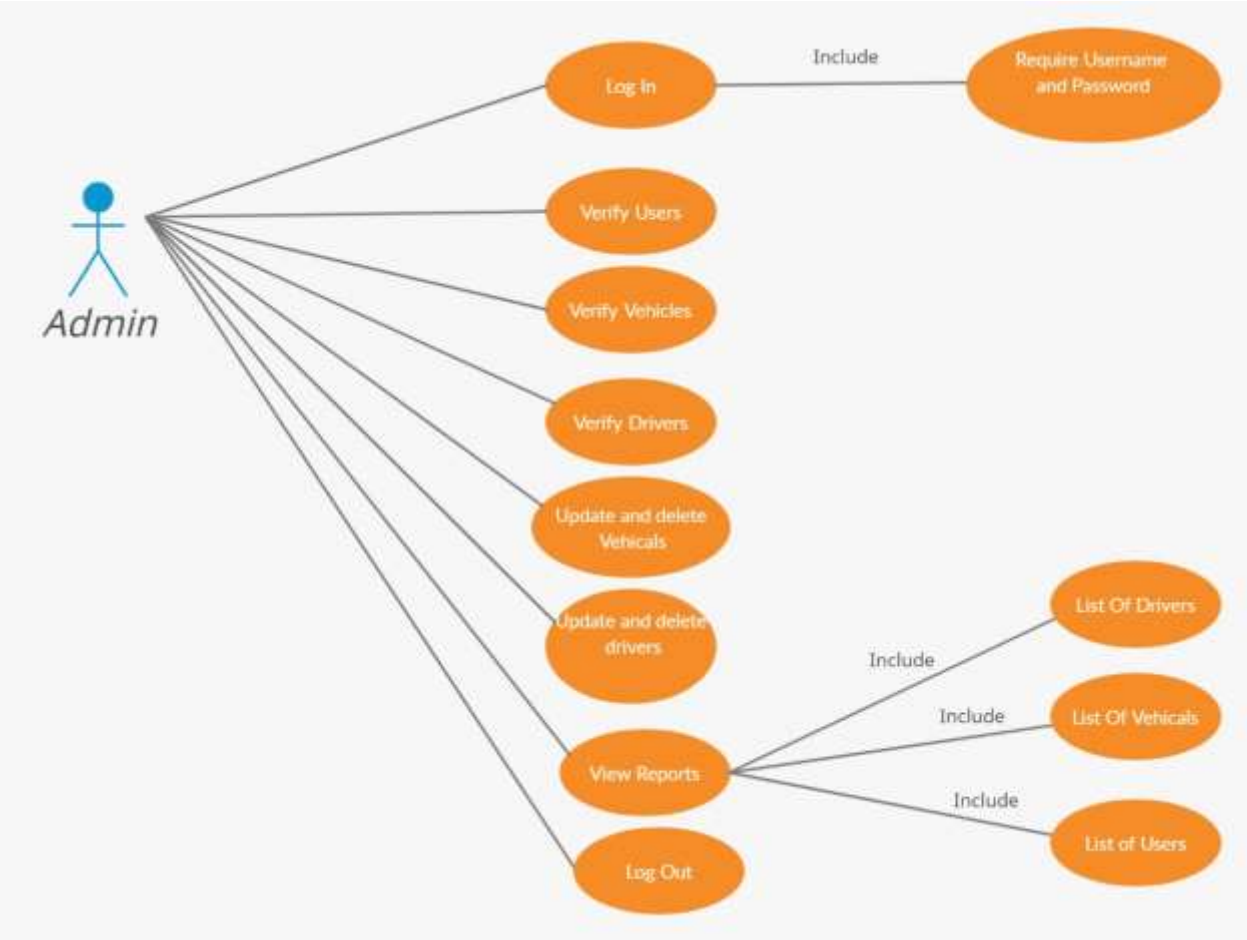

Activity Diagram / State Diagram
(Admin)
login
Fail
Success
View users, drivers vehicles
verify users, drivers vehicles
manage drivers vehicles, users
Show drivers, vehicles users on website
manage ratings / feedback
logout

USE CASE DIAGRAM

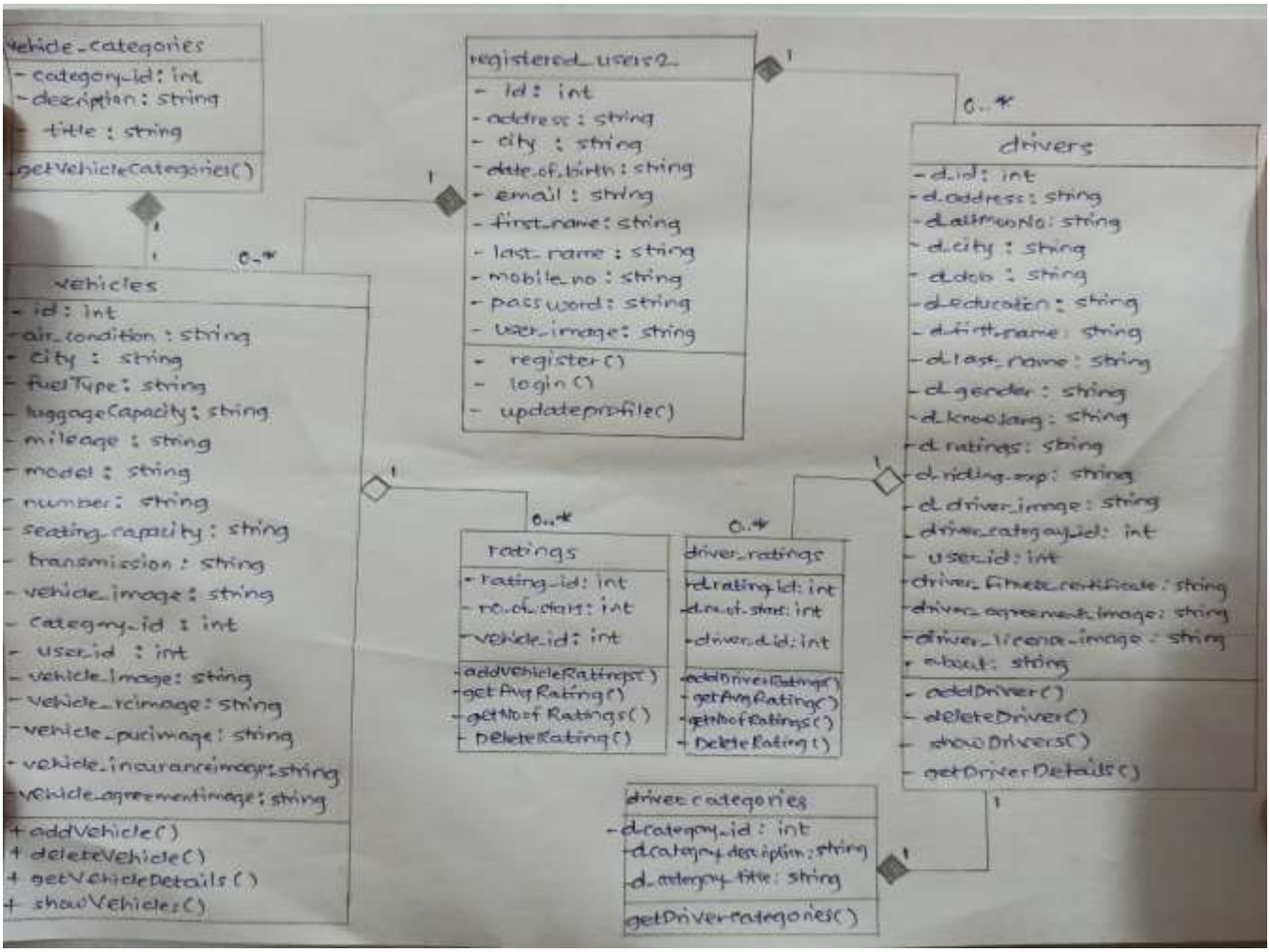
1.User



2.Admin


Admin
Log In
Include
Require Username and Password
Verify Users
Verify Vehicles
Verify Drivers
Update and delete Vehicals
Update and delete drivers
View Reports
Log Out
Include
List Of Drivers
Include
List Of Vehicals
Include
List of Users

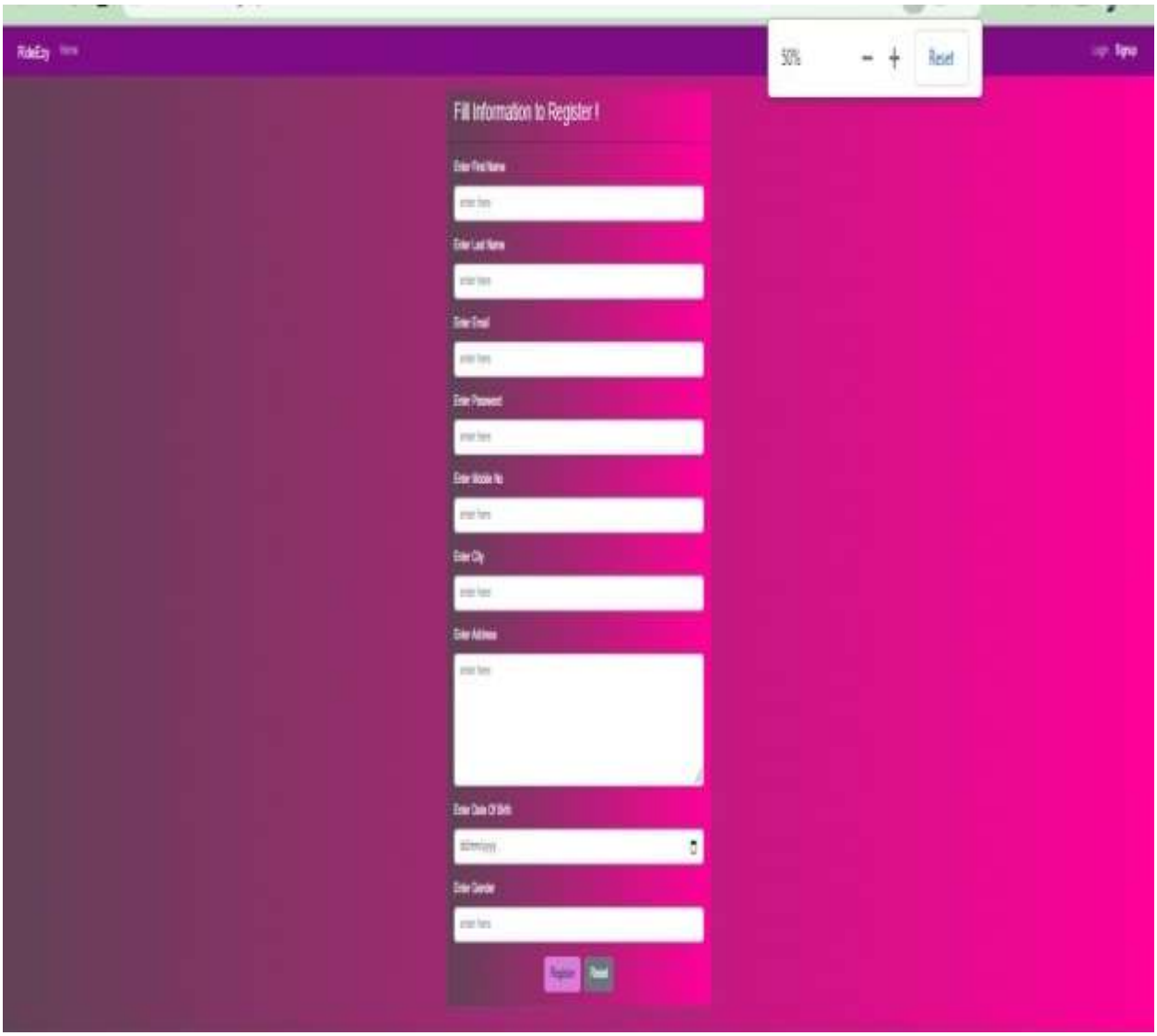
CLASS DIAGRAM :



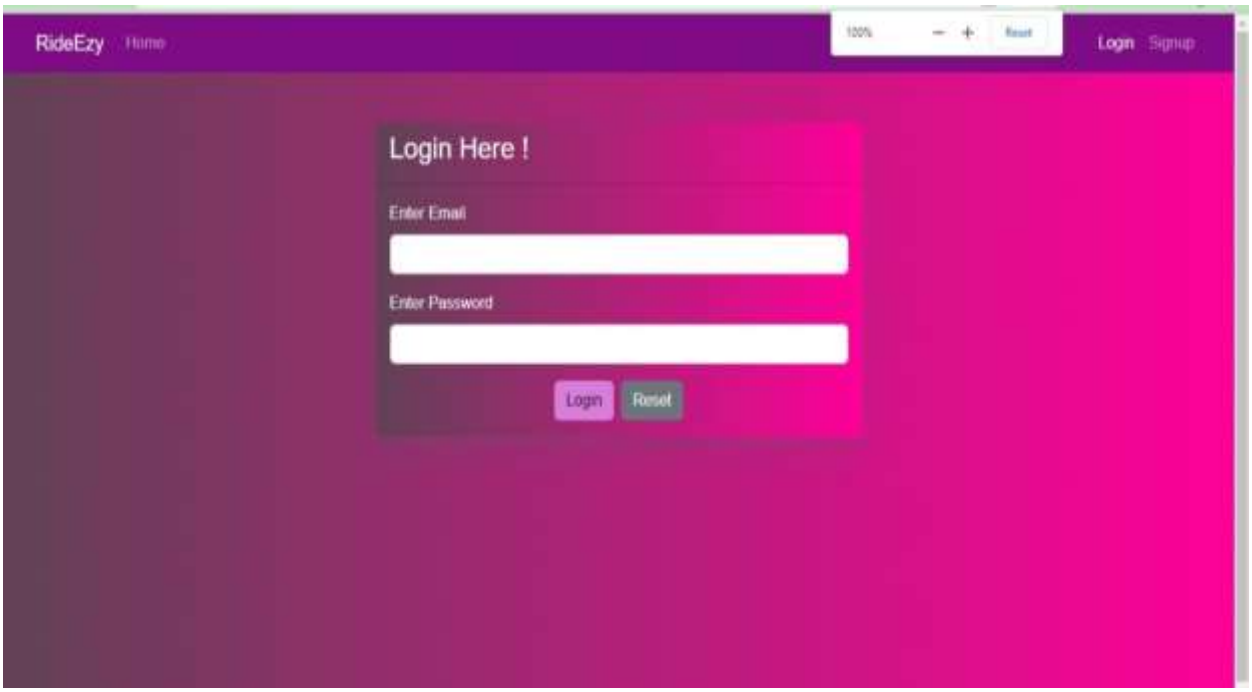
Screenshots

Home page

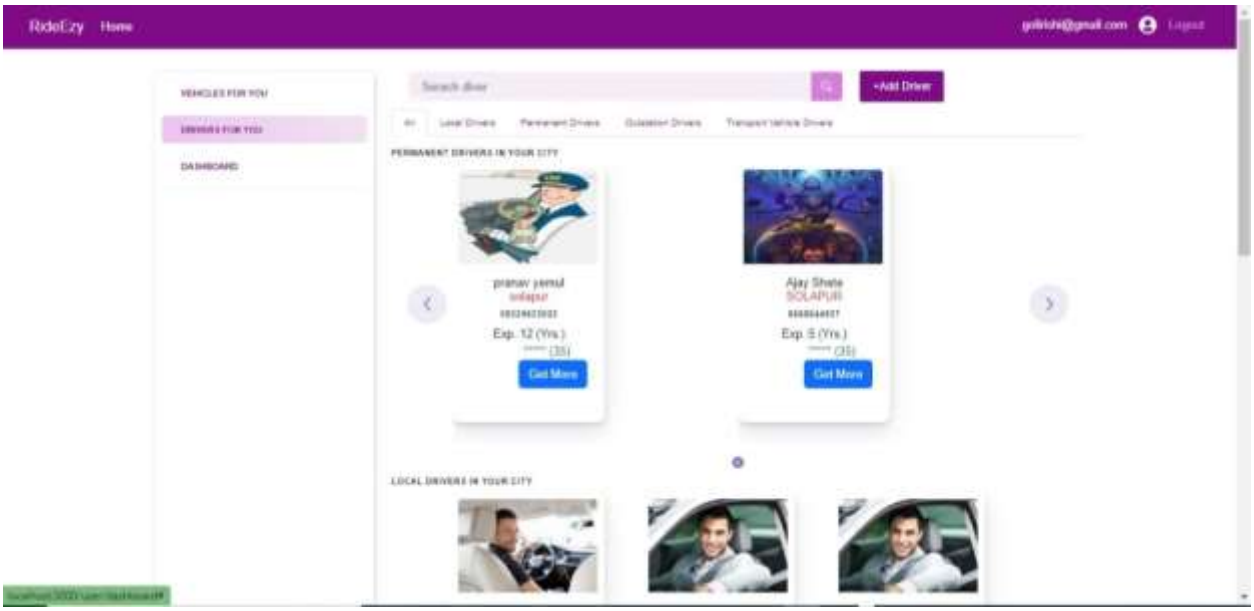
signup



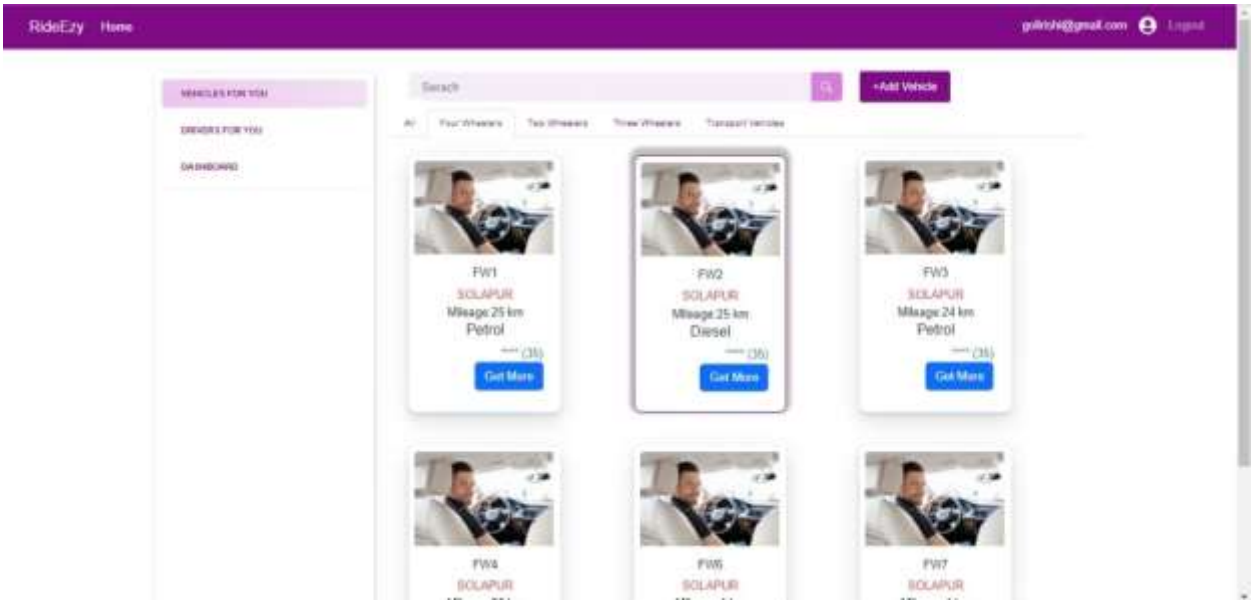
Login:


RideEzy
Home
Login
Signup
Login Here !
Enter Email
Enter Password
Login
Reset

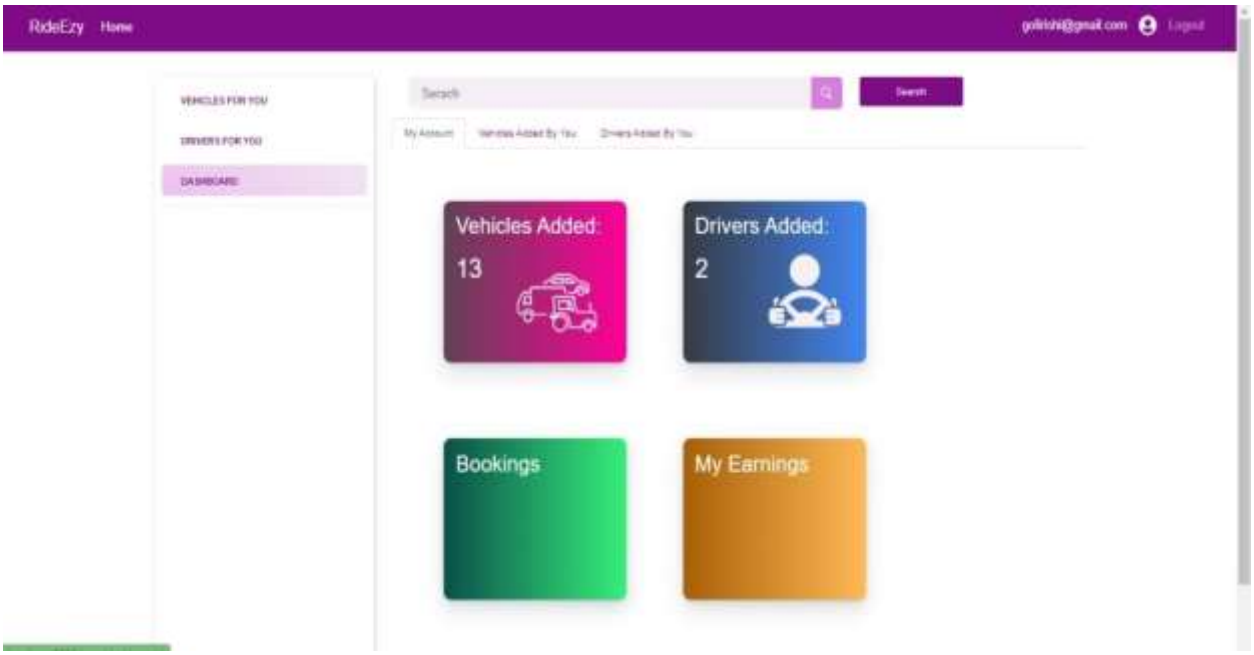
Driver Page:



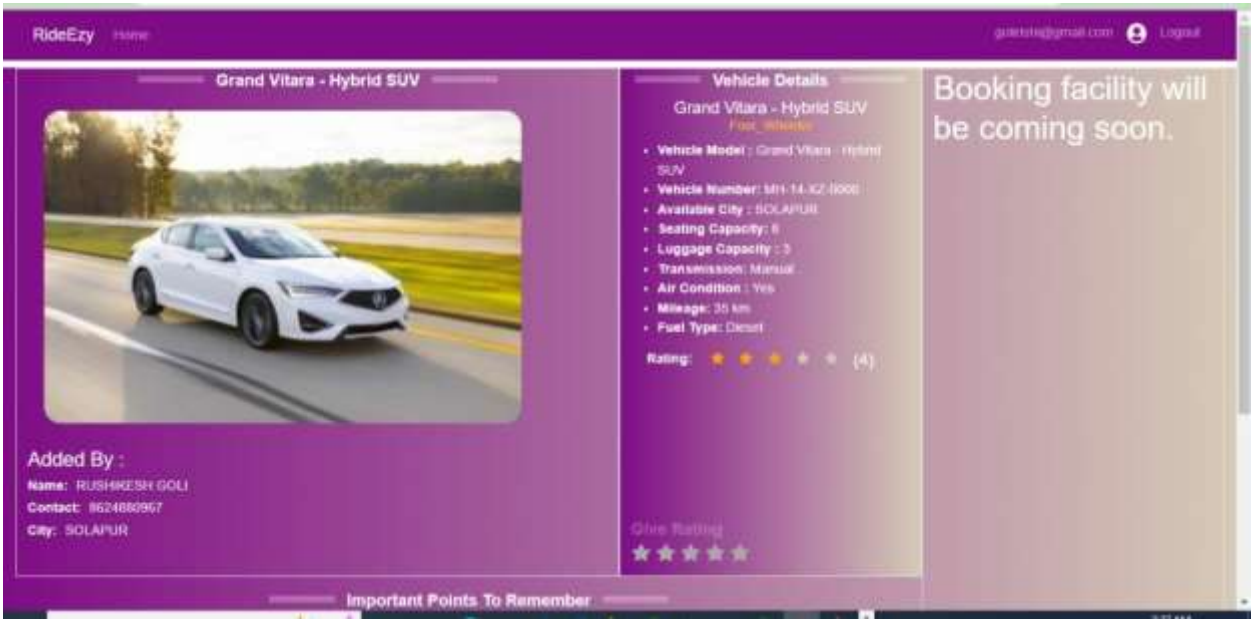
Vehicle Page:



Dashboard:

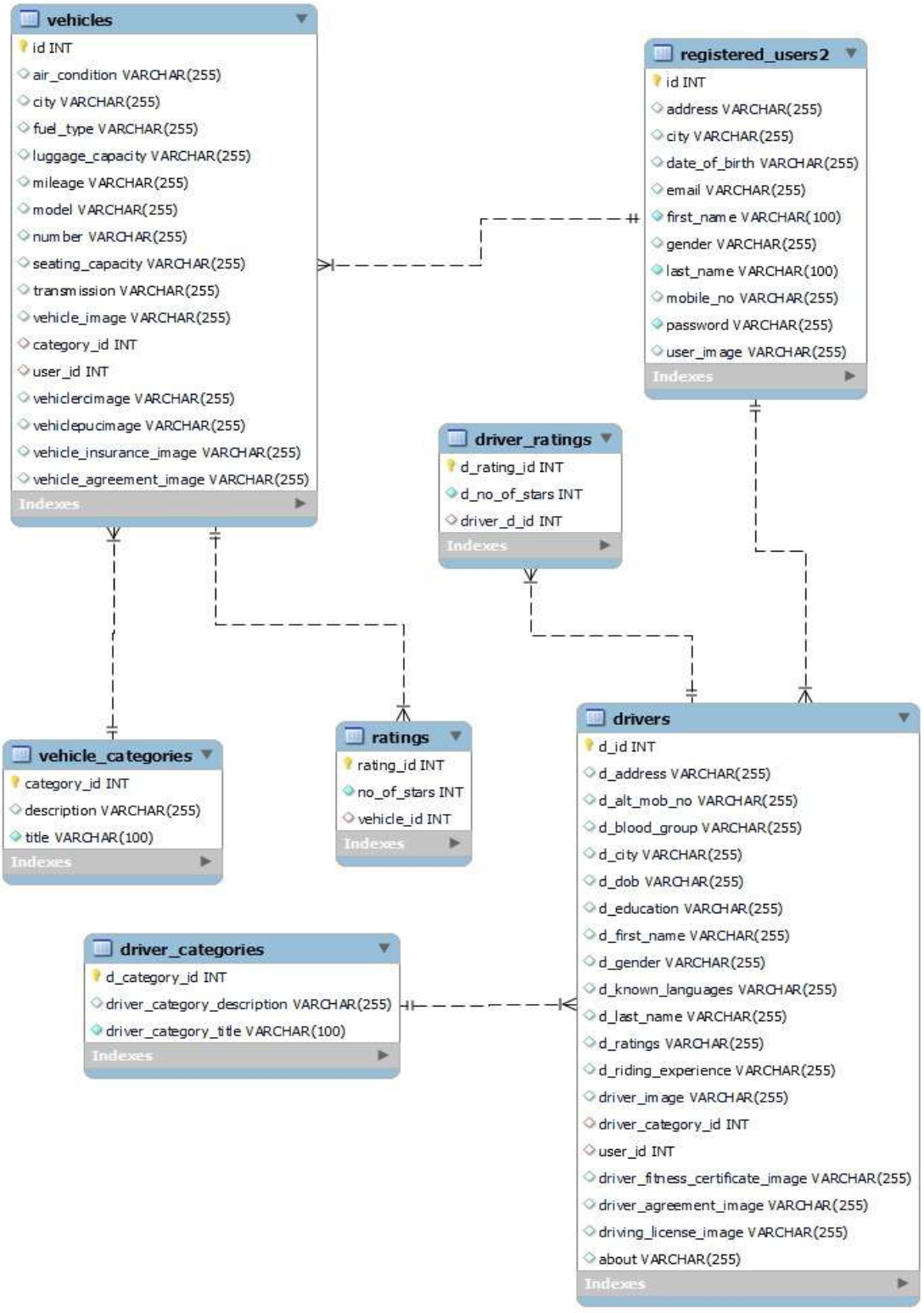


After Adding Vehicle:



After Adding Drivers:

ERD-Diagram


vehicles
id INT
air_condition VARCHAR(255)
city VARCHAR(255)
fuel_type VARCHAR(255)
luggage_capacity VARCHAR(255)
mileage VARCHAR(255)
model VARCHAR(255)
number VARCHAR(255)
seating_capacity VARCHAR(255)
transmission VARCHAR(255)
vehicle_image VARCHAR(255)
category_id INT
user_id INT
vehiclercimage VARCHAR(255)
vehiclepucimage VARCHAR(255)
vehicle_insurance_image VARCHAR(255)
vehicle_agreement_image VARCHAR(255)
Indexes
registered_users2
id INT
address VARCHAR(255)
city VARCHAR(255)
date_of_birth VARCHAR(255)
email VARCHAR(255)
first_name VARCHAR(100)
gender VARCHAR(255)
last_name VARCHAR(100)
mobile_no VARCHAR(255)
password VARCHAR(255)
user_image VARCHAR(255)
Indexes
driver_ratings
d_rating_id INT
d_no_of_stars INT
driver_d_id INT
Indexes
vehicle_categories
category_id INT
description VARCHAR(255)
title VARCHAR(100)
Indexes
ratings
rating_id INT
no_of_stars INT
vehicle_id INT
Indexes
drivers
d_id INT
d_address VARCHAR(255)
d_alt_mob_no VARCHAR(255)
d_blood_group VARCHAR(255)
d_city VARCHAR(255)
d_dob VARCHAR(255)
d_education VARCHAR(255)
d_first_name VARCHAR(255)
d_gender VARCHAR(255)
d_known_languages VARCHAR(255)
d_last_name VARCHAR(255)
d_ratings VARCHAR(255)
d_riding_experience VARCHAR(255)
driver_image VARCHAR(255)
driver_category_id INT
user_id INT
driver_fitness_certificate_image VARCHAR(255)
driver_agreement_image VARCHAR(255)
driving_license_image VARCHAR(255)
about VARCHAR(255)
Indexes
driver_categories
d_category_id INT
driver_category_description VARCHAR(255)
driver_category_title VARCHAR(100)
Indexes

Future Scope:

The pricing will be shown in future scope i.e. salary of the drivers, earnings of the vehicle owners, charges for the customers based on duration and distance and location.

The real time organization running on such ideology can make use of this web application.