RideGo

A simple way to community-based Rideshare.

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UML Diagram and UI Design Report

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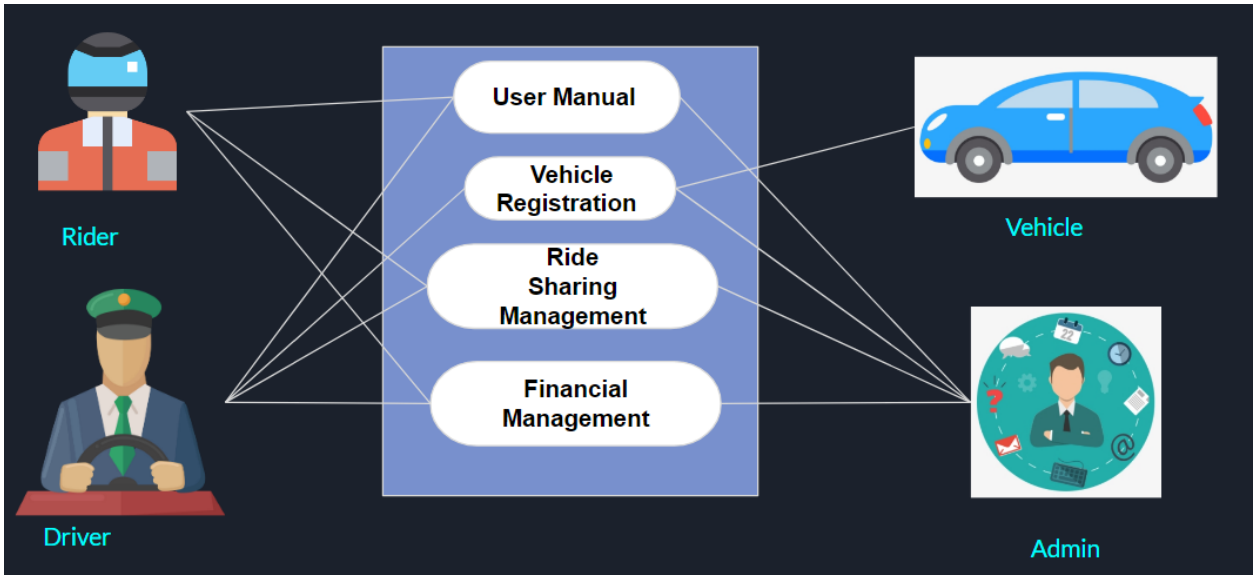
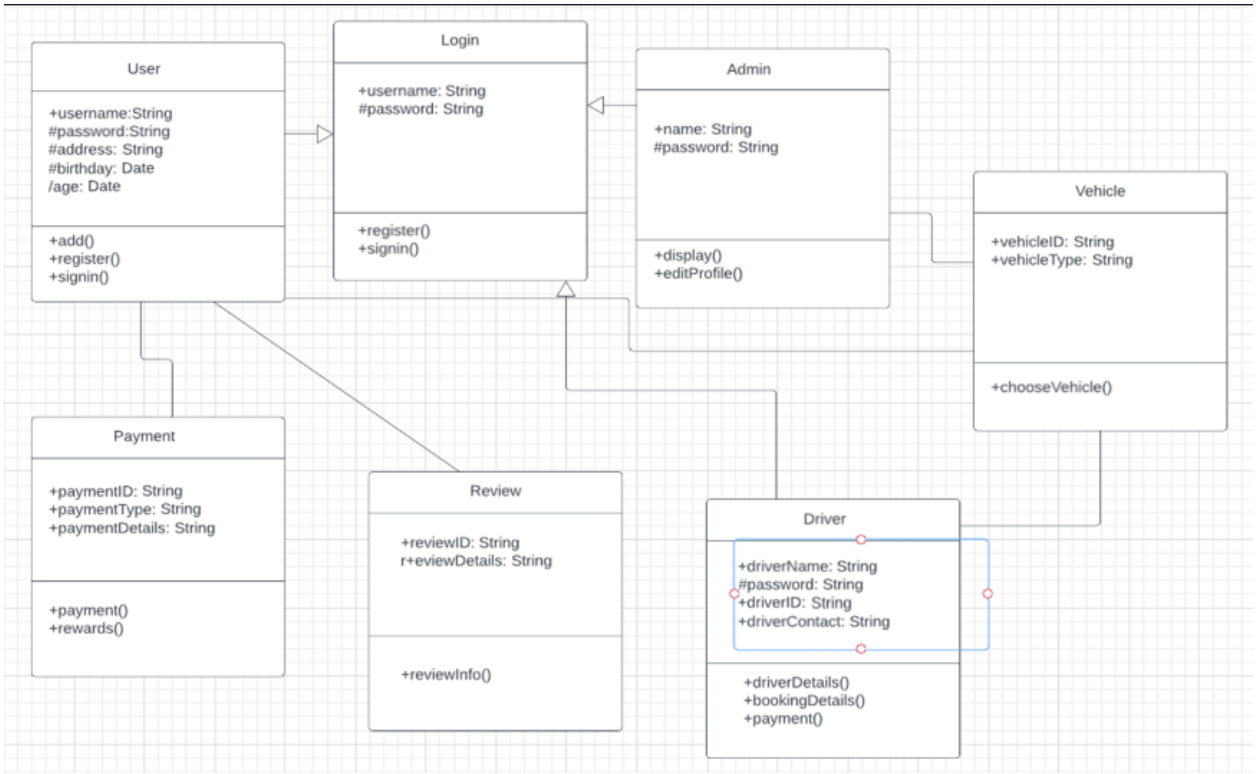
Use Case Diagram:



Class Diagram:



Class Diagram Description:

- Here we use some class for describing our ride sharing website like as –User, Login, Driver, Admin, Vehicle, Payment, review etc.

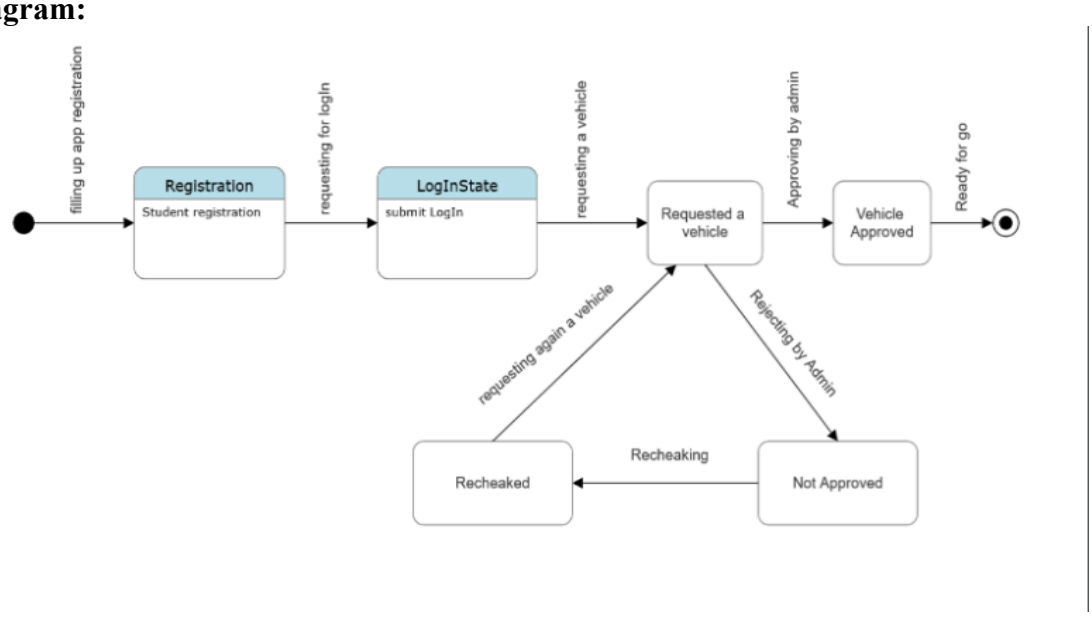
- First of all we need get information from user for knowing who using this website. Hence we need login information for checkup. So that if login information is correct then user can easily login.
- Another class is admin class which used to control the full system.
- In driver class reserve all driver related information.
- All payment related information is reserved in payment class.

State Diagram:

State Diagram Concept:

- A state diagram is the graphical representation of a state machine. State diagrams show a behavioral model consisting of states, state transitions, and actions.
- State diagrams are irreplaceable when describing systems and system behavior, for example, electronic components such as control units for driver assistance systems in vehicles.
- State diagrams are the ideal way to model object life cycles. State diagrams enable us to describe the behavior of objects during their entire life span.
- In short we can say that State diagrams make the system behavior visible.

Diagram:



State Diagram Description:

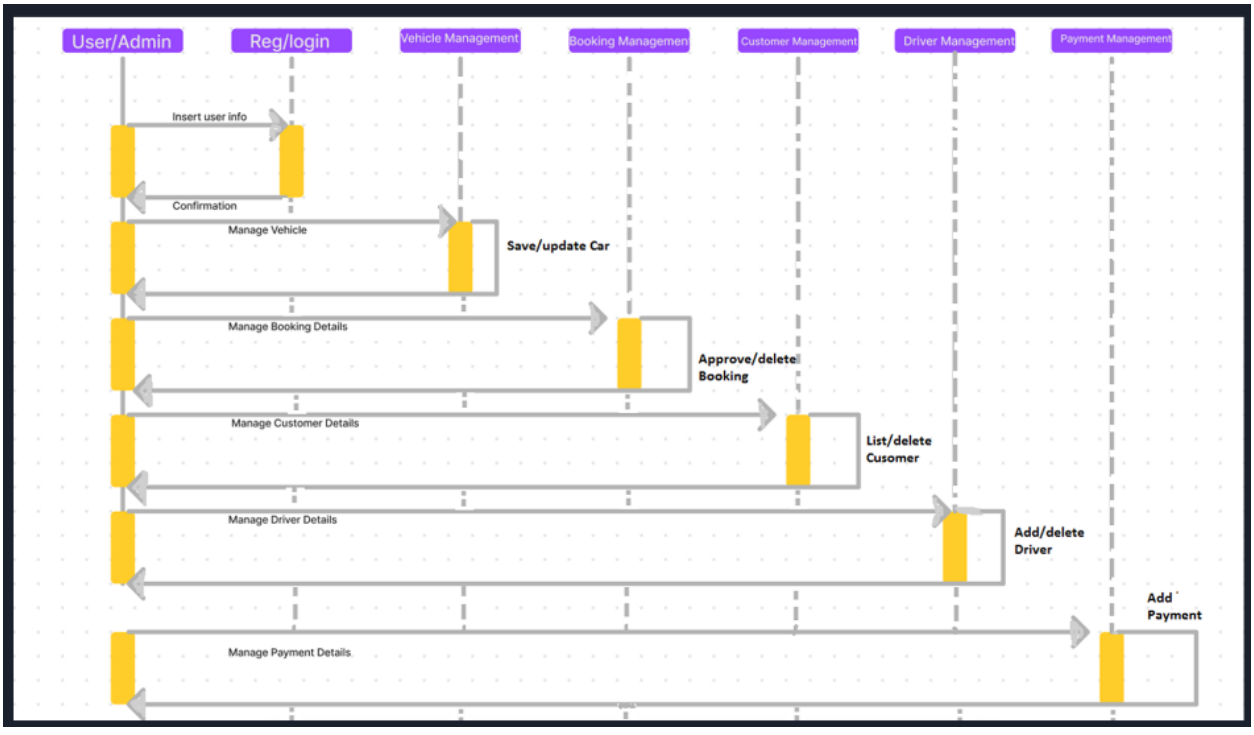
- Initially order placed from user and go to the state named unprocessed order, then checked if order is rejected then go to reject state and finish that order but if order is accepted then go to accepted order state. After that, if everything ok then go to order fulfill state otherwise go to pending state. Hence, when got everything ok then go to pending state to order fulfill state. Then they complete the ride and go to payment state for collecting payment. After completing payment state go to finish state for complete the rideshare system.

Sequence Diagram:

State Diagram Concept:

- A sequence diagram represents the scenario or flow of events in one single use case. The message flow of the sequence diagram is based on the narrative of the particular use case. A sequence diagram shows, as parallel vertical lines (lifelines), different processes or objects that live simultaneously, and, as horizontal arrows, the messages exchanged between them, in the order in which they occur. This allows the specification of simple runtime scenarios in a graphical manner. Represent the details of a UML use case. Model the logic of a sophisticated procedure, function, or operation. See how objects and components interact with each other to complete a process. Plan and understand the detailed functionality of an existing or future scenario.

Diagram:



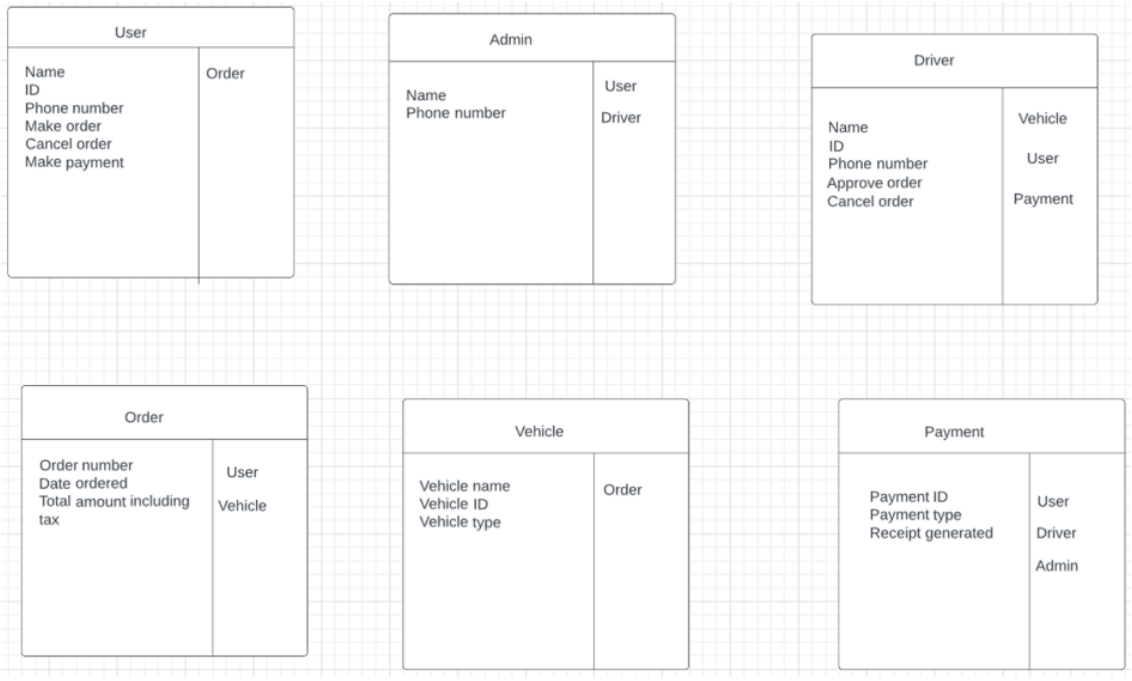
Sequence Diagram Description:

- In Sequence diagram, its represents the scenario or events or process for describing the full system.
- First of all user send a information to login process, After that if the information is correct then go to admin, then admin send information to vehicle management for managing vehicle. After that go to booking management process for booking. After booking admin collect customer information from customer management events, then admin manage the driver from driver management process and send the driver information to user. As a result, customer found the driver for ride sharing. After the ride sharing, diver complete the ride and request for payment details from payment process and admin send payment details to user.

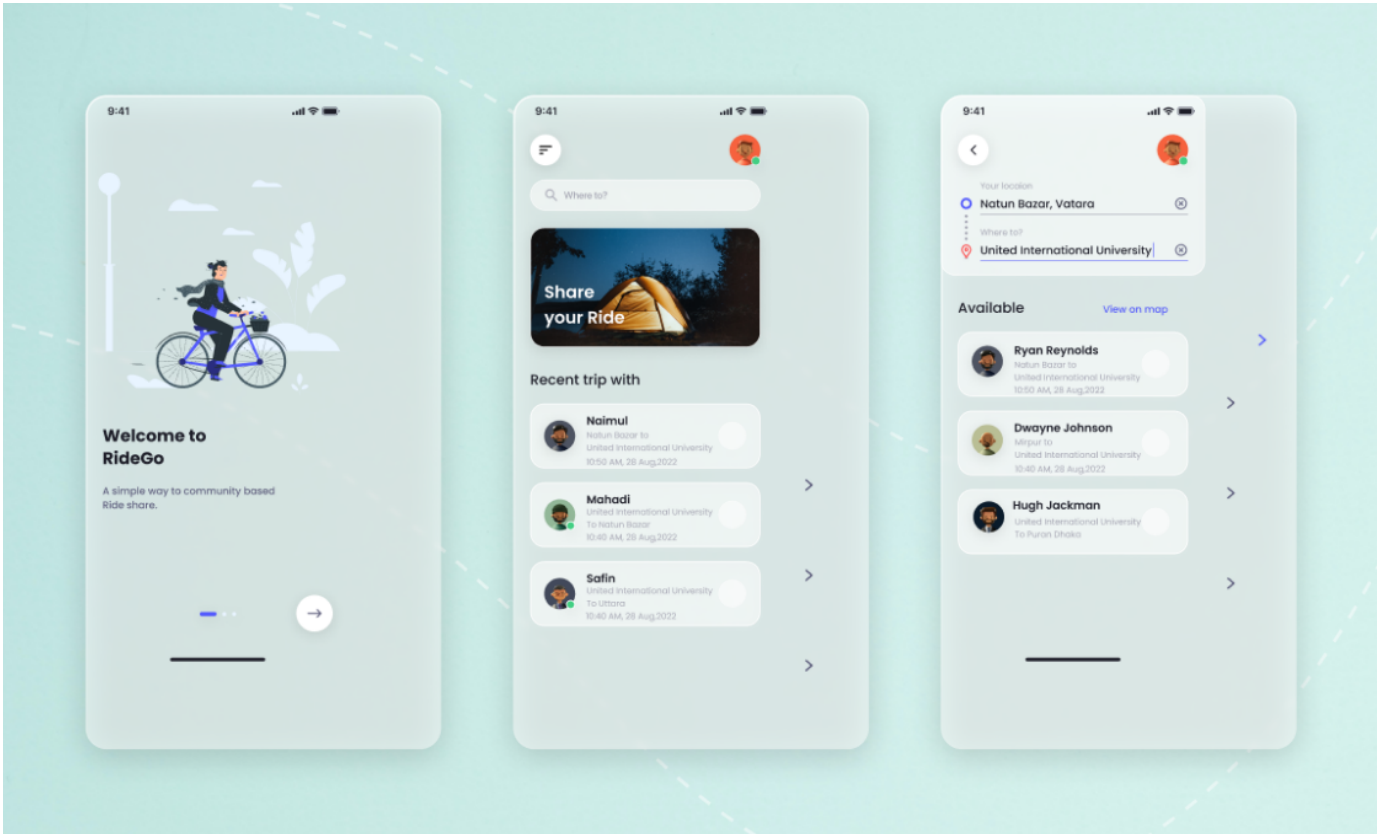
CRC Diagram:

CRC Diagram Concept:

- CRC Diagram is a class responsibility collaboration Diagram It represents each classes responsibilities and with which class it collaborates to complete it's responsibilities.
- Each CRC card has three components: On top of the card, the class name, On the left, the responsibilities of the class On the right, collaborators (other classes) with which this class interacts to fulfill its responsibilities.



UI Design:


9:41
Welcome to
RideGo
A simple way to community based
Ride share.
9:41
Where to?
Share
your Ride
Recent trip with
Naimul
Mahadi
Safin
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Your location
Natun Bazar, Vatara
Where to?
United International University
Available
View on map
Ryan Reynolds
Dwayne Johnson
Hugh Jackman

Group Task Division

Group Member	Task
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Md Rajib Hossen (011191244)	**CRC Diagram**
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Emam Hasan (011201302)	**Class Diagram**