CS472WAP Final Project Design Documentation

Project title: Ride Share

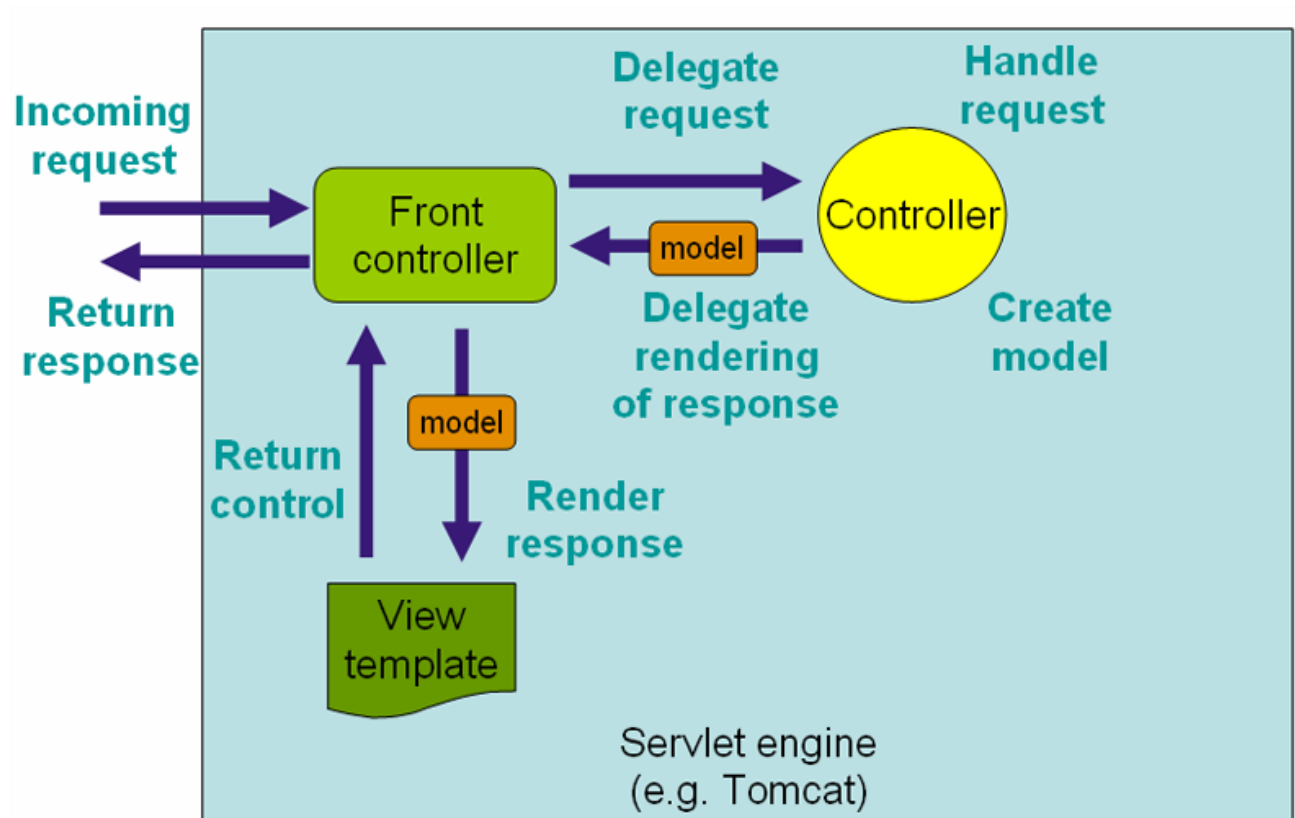| Group Members	ID
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Submitted to: Assistant Professor Obinna Kalu, November 2019

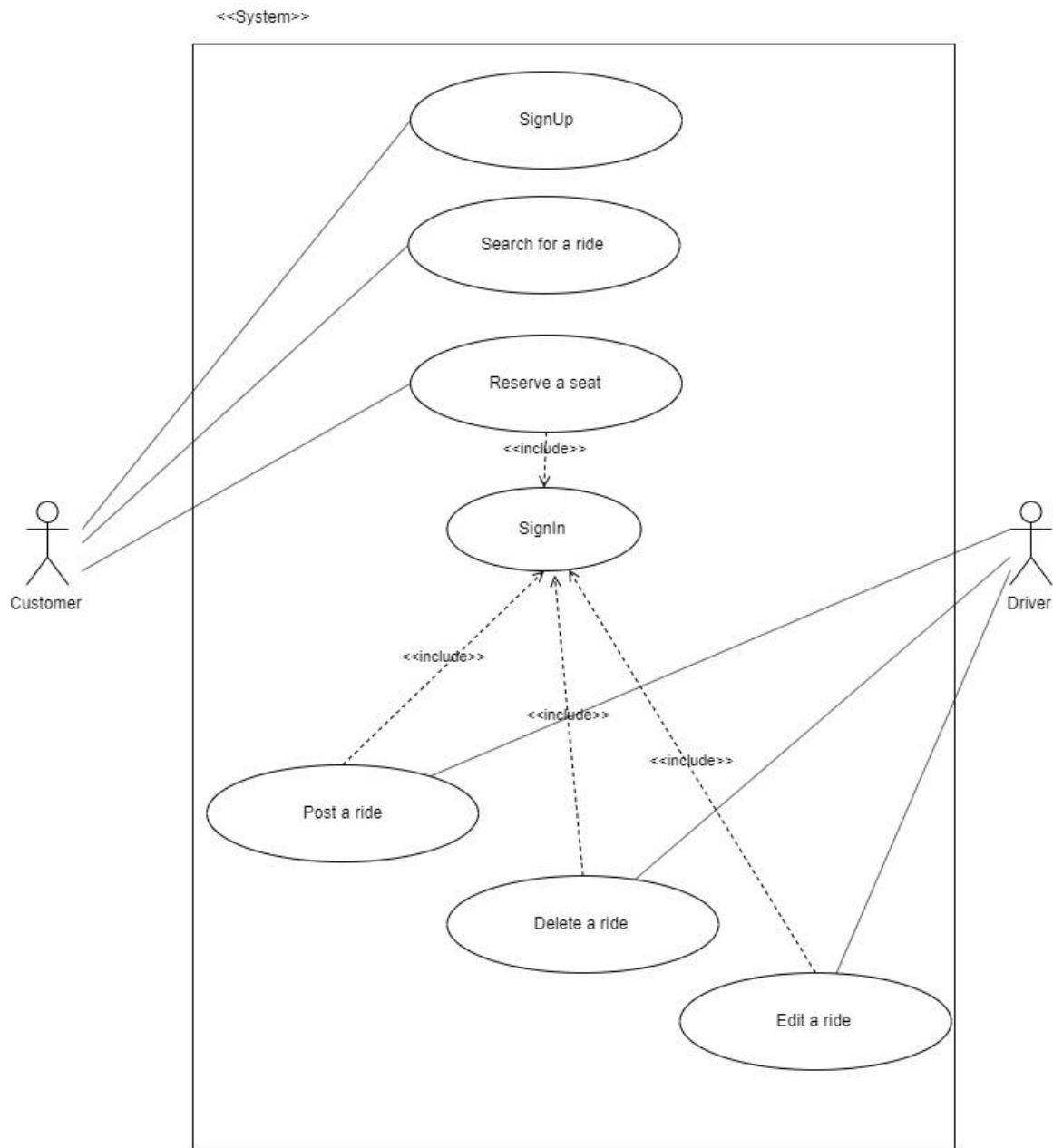# High Level Architecture

       Our platform is based on the Model Two(2) Architecture of Servlet technology i.e. it uses the Spring MVC architecture where http requests are handled by controller classes that have access to database access classes and service classes and the view is handled separately using jsp technology. The high level architectural design is shown below in the figure.

The detailed technologies used for the project will be dealt in the following parts of this documents along with the design artifacts (use case diagrams, class diagrams).
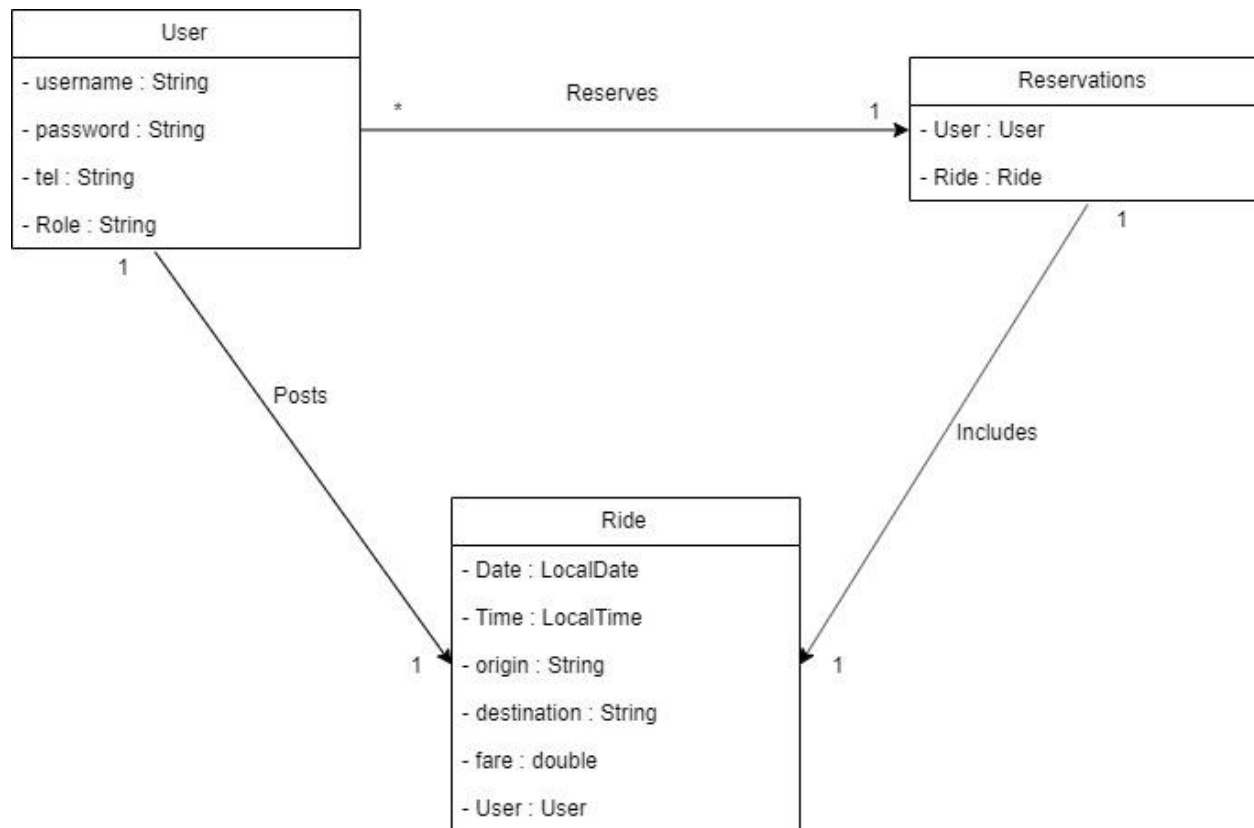
Design Diagrams

Use Case Diagram

<<System>>

SignUp

Search for a ride

Reserve a seat

<<include>>

SignIn

<<include>>

<<include>>

<<include>>

Post a ride

Delete a ride

Edit a ride

Customer

Driver

  As we can see from the use case diagram above our customers can search for a ride and reserve that ride in our system. And the ride givers can post their ride, edit it or delete it.

Class Diagram

As shown above we have identified three (3) entity classes for our solution Users, Ride, and Reservations.

Technologies Used

The following are the technologies used to develop the platform.

Thank You!!!