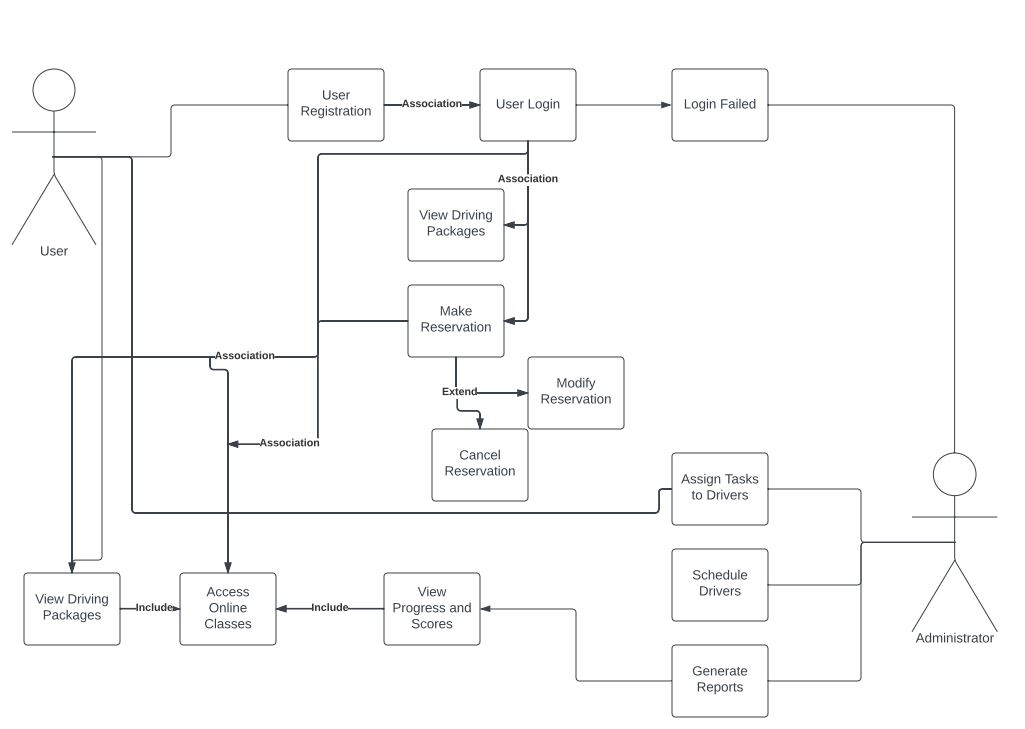
# CS 255 System Design Document

Zion Johnson

6/18/2023

## UML Diagrams

### UML Use Case Diagram

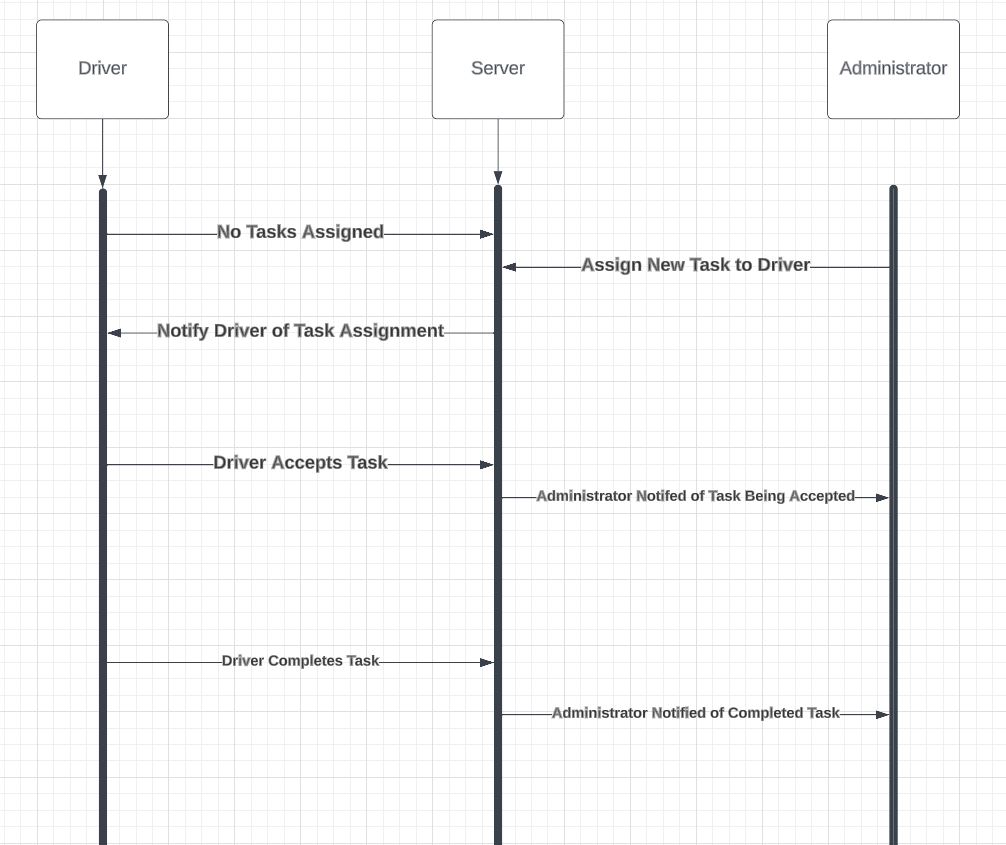
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### UML Activity Diagrams

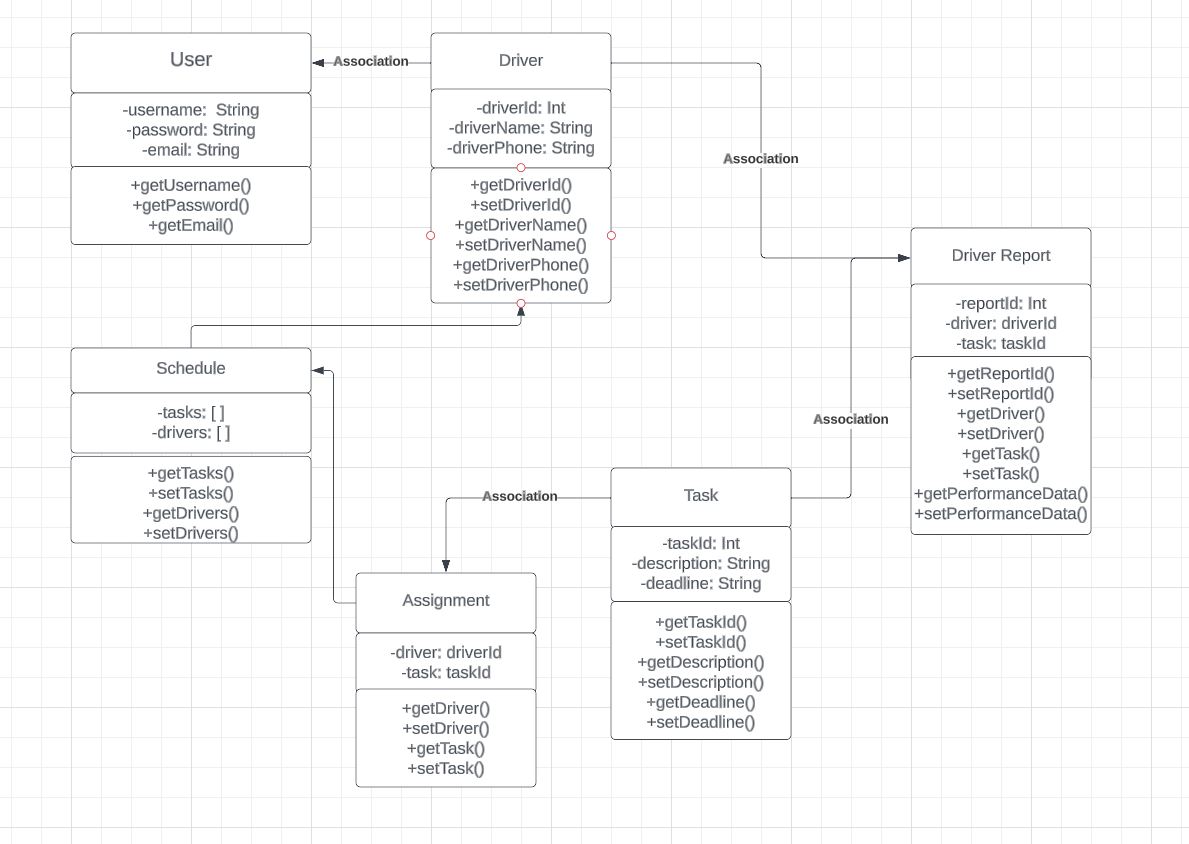
![A picture containing text, diagram, screenshot, plan

Description automatically 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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

Hardware Requirements:

* The system needs to be accessible from any computer or mobile device with an internet connection
* Hardware resources available to support system performance and scalability

Software Requirements:

* System should be web-based and hosted on in-house servers
* System should support online classes, practice tests, and scheduling lessons
* Data storage and management
* Data recording and reporting

Tools and Infrastructure Requirements:

* User authentication
* User roles and permissions
* Backup hardware to ensure data protection and possible loss of data