# CS 255 System Design Document Template

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## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### *Diagram Description automatically generated*UML Activity Diagrams

*Diagram

Description automatically generated*

### UML Sequence Diagram

*Diagram

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### UML Class Diagram

*Diagram

Description automatically generated*

## Technical Requirements

After doing an evaluation of the system using different UML diagrams, here are the technical requirements of the system:

* The system shall be accessible by computer as well as mobile platforms for ease of use and flexibility.
* The system shall update the scheduler system within 3 seconds of confirming an appointment.
* The system shall assign an available driver to an appointment once confirmed.
* The system shall be web based and use the cloud for database storage.
* The system shall allow access to data while offline, but no modifications offline because of risk of duplicating and losing data.