# CS 255 System Design Document Template

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UML Design Diagrams

## UML Diagrams

### UML Use Case Diagram

Diagram, schematic

Description automatically generated

### UML Activity Diagrams

This activity Diagram depicts a user booking lessons through the various options provided by the system.

Diagram

Description automatically generated

This Activity Diagram depicts a user starting with lessons, signing up for the written exam in DMV and then taking lessons followed by signing up for the road test:

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

Based off the diagrams shared we will need to setup a call center with a staff to run that portion of the system. We will need a database and servers to provide access to the application/ online portion of the system. This includes separating tables for specific data types such as group policies and the various courses that will be provided. There will need to be an integration system so that phone calls made can be tied to accounts for record keeping. There needs to be a logging function of all activity to supply security and process reports as requested by the stakeholders. On the software side we should aim to focus on the most popular use cases for high traffic applications and move forward from there.