# CS 255 System Design Document Template

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client’s needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generatedDiagram

Description automatically generated

### UML Sequence Diagram

Diagram, engineering drawing

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

Because the system will be cloud-based, the server and other aspects should be created using Python as the programming language. Using a cloud-based system will also allow for interconnectivity because an internet connection will be required for use. The platforms should extend from Windows and Mac to Android and iOS. This will allow users to access the application through a mobile device, this is a presumed need as the app will help students stay connected to drivers and access information needed for a drive.