# Miterrand Reyes CS 255 System Design Document

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

A diagram of a driver pass

AI-generated content may be incorrect.

### UML Activity Diagrams

A diagram of a road

AI-generated content may be incorrect.

### UML Sequence Diagram

A diagram of a software project

AI-generated content may be incorrect.

### UML Class Diagram

A diagram of a program

AI-generated content may be incorrect.

## Technical Requirements

*1. Hardware a. Computers b. Peripherals c. Networking d. Graphic cards e. Routers 2. Software a. System software b. Utility software c. Application software 3. Geographic Information and Other a. Location of the system b. Surrounding (physical) environment*

1. Hardware

1. User (Student, Admin, Secretary, Instructor) desktop/laptop computers and mobile devices
2. User printing devices
3. Cloud-hosted servers
4. User internet connection
5. User routers to connect to internet
6. Remote desktop support through VPNs for remote admin access

2. Software

1. Windows or Linux based server OS for cloud-hosting
2. Local computer software, Windows or macOS workstations
3. Client OS specific web development software to support browsers, Microsoft Edge, Chrome, Safari, Firefox.
4. Dropwizard framework with RESTful APIs.
5. Database software, MySQL
6. Data spreadsheet software, Excel through Microsoft Office
7. Email service for all users, Outlook or Gmail3. Geographic Information and Other

3. Geographic Information and Other

1. Cloud-hosted infrastructure is accessible by internet connection.
2. Office space for owner, IT office, secretary
3. DMV integration using API to get latest test updates