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CS-255-System Analysis and Design

Project 2

April 21, 2024

# 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

A diagram of a driver pass

Description automatically generated

### UML Activity Diagrams

A diagram of a software system

Description automatically generated

A diagram of a company

Description automatically generated

### UML Sequence Diagram

DriverPass Sequence Diagram

*A diagram of a project

Description automatically generated*

### UML Class Diagram

*A diagram of a computer

Description automatically generated with medium confidence*

## Technical Requirements

The system will need some technical requirements to keep the system running smoothly and here are some of those requirements.

* When creating the sequence diagram I was thinking about the amount of storage that will need to be big enough to handle security updates, multiple users’ information, and a backup system.
* After debating on this I would like to enhance the system to purge old users after 5 years to help reduce the storage. The system will need to be friendly on Windows as well as Apple for both mobile and desktop.
* Have the option to export into a CVS or .xls file for offline work.
* Encryption to keep the cloud domain private.
* Enhancement to update packages.