# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

*Diagram

Description automatically generated*

*Diagram

Description automatically generated*

### UML Sequence Diagram

*Diagram, schematic

Description automatically generated*

### UML Class Diagram

*Diagram

Description automatically generated*

## Technical Requirements

It will need to be a web-based application supported by a cloud database and deployed using a cloud-based hosting service. It should be developed using the Python scripting language and the database will be used to store the code and the login information, etc. I think this is the best setup for the “DriverPass” system that will result in compatibility for any reasonably modern hardware with internet access with a good balance between security and usability.