# CS 255 System Design Document Template

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## UML Diagrams

### UML Use Case Diagram

A screenshot of a computer

Description automatically generated with medium confidence

### UML Activity Diagrams

A picture containing text, diagram, screenshot, plan

Description automatically generatedA screenshot of a flowchart

Description automatically generated with medium confidence

### UML Sequence Diagram

A screenshot of a computer screen

Description automatically generated with medium confidence

### UML Class Diagram

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Description automatically generated

## Technical Requirements

* The DriverPass system shall be a web-based application developed using the Python language and deployed using a cloud-based hosting service. Reliability is also extremely important. Since so many people must have immediate access to different parts of this system whenever requested, the system must be able to function with little to no glitches. Another technical requirement would be using C++ as the main programming language. This language is widely used and can easily be added to if needed.