# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

### *A picture containing text, diagram, drawing, sketch Description automatically generated*UML Activity Diagrams

1. USE CASE: Schedule driving test

*A picture containing text, screenshot, diagram, font

Description automatically generated*

1. USE CASE : View test results

*A diagram of a flowchart

Description automatically generated with low confidence*

### UML Sequence Diagram

USE CASE : Schedule a driving testA picture containing text, parallel, diagram, screenshot

Description automatically generated

### UML Class Diagram

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Description automatically generated

## Technical Requirements

The technical requirements for the DriverPass system include various hardware, software, tools, and infrastructure components. For the hardware side, the infrastructure should include reliable servers to host web-based applications. The database server is required to manage whole data. On the software front, the system requires a reliable web application framework compatible with most programming languages. Another major requirement is the encryption protocols to ensure data security which prevents unauthorized access. For the development process, environmental tools like IDE, Visual Studio, etc. to code, debug. Adhering to these requirements is essential for the successful implementation and operation of the DriverPass system.