# CS 255 System Design Document Template

## 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, engineering drawing

Description automatically generated

### UML Class DiagramDiagram Description automatically generated

## Technical Requirements

* Hardware (DriverPass website and server):
  + This system is cloud-based and Platform-as-a-Service (PaaS). Therefore, the hardware requirements for running the system are being provided by the cloud service provider.
* Hardware (Client side):
  + Desktop or Laptop computer
  + Tablet
  + Smartphone
* Software:
  + Database to store information of users utilizing the system.
  + Latest Security Updates.
  + Modern browser (such as Firefox, Chrome, Safari, Edge).
  + Any modern operating system (such as Windows, MacOS, Linux, ChromeOS).
* Tools:
  + CASE tools such as Lucidchart to design UML model of the system.
  + Integrated development environment (IDE) for developing the program codes.
* Infrastructure:
  + Available high-speed internet (such as WiFi or hardwire ethernet connection, cellular connection for on-the-go access).