# CS 255 System Design Document Template

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Project 2

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## UML Diagrams

### UML Use Case Diagram

Diagram, schematic

Description automatically generated

### Diagram Description automatically generatedUML Activity Diagrams

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### Diagram Description automatically generatedUML Class Diagram

## Technical Requirements

Based on the diagrams above and the Business Requirements Document done previously there are several technical requirements for this system:

Hardware Requirements:

* Host:
  + A physical server – Although this system will be provided by a cloud service, a server would be recommended for a backup.
  + Power sources and internet provider
  + Desktop, laptop, and/or mobile device
* Client:
  + Power sources and internet provider
  + Desktop, laptop, and/or mobile device

Software Requirements:

* Host:
  + Recommended Windows Server OS
  + Web Browser
  + Security software for safeguarding sensitive information against hacking
* Client:
  + Web Browser to access system
  + OS of choice
  + Security software to protect personal information

Tools Required by DriverPass:

* Programming software ( Visual Studios, Eclipse, IntelliJ, etc.).
* Internet connection to be able to upload to the cloud server.

Infrastructure Required:

* Cloud provider
* Server location for the backup server
* Physical office space for employees
* Cars for driving instructions
* Third Party Credit Card Processing Company (PayPal, Square, Clover, etc.).