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CS-255

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# CS 255 System Design Document Template

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client’s needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

## UML Diagrams

### UML Use Case Diagram

A diagram of a driver pass

Description automatically generated

### UML Activity Diagrams

A diagram of a company

Description automatically generated

A diagram of a diagram

Description automatically generated

### UML Sequence Diagram

A diagram of a payment process

Description automatically generated

### UML Class Diagram

A diagram of a computer flowchart

Description automatically generated

## Technical Requirements

*DriverPass needs several different technical components to work correctly.*

* ***Software Requirements:***
  + *A web server like Apache to host the DriverPass website.*
  + *Recommended use of a Windows server for server stability.*
  + *An SQL Server to manage the database.*
  + *Backup software to protect the database and website data.*
  + *Security software to guard against any threats and attacks.*
* ***Hardware Requirements:***
  + *A stable and reliable internet connection.*
  + *Enough storage for the website and the database data.*
  + *A computer or mobile phone to access the website.*
  + *A dedicated server for the DriverPass website.*
  + *A firewall to protect against any threats and attacks.*
* ***Geographical Considerations:***
  + *Secure the website and database in a data center.*
  + *Place the server in a central location for better performance.*
  + *Ensure the website can be accessed from the United States.*