# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A screenshot of a diagram

AI-generated content may be incorrect.*

### UML Activity Diagrams

A screenshot of a diagram

AI-generated content may be incorrect.

### UML Sequence Diagram

*A diagram of a login system

AI-generated content may be incorrect.*

### UML Class Diagram

*A diagram of a computer code

AI-generated content may be incorrect.*

## Technical Requirements

The hardware of the user’s computer should be able to support a basic web interface, but it is not an advanced application, so the hardware should be modern. Since we are developing an application in 2025, the user should have a minimum of Windows 10 or a later version of iOS to support the newer interface features.  
 Regardless of hardware and software requirements, a huge technical requirement is security. Since DriverPass will have access to customers’ information and credit card information, they are obligated to protect their sensitive data. Two-step authorization and a complex, unique password are essential to protect our user’s information. We must also back up data on the cloud to protect the client from a cyber-attack or system failure. Another key requirement would be the back end. DriverPass must have a full-time developer to aid in customer support and update the user interface. Interface updates will be a key feature for DriverPass, so the user has optimal experience when using the system.

The technical requirements were not highlighted in the diagrams, as those diagrams primarily focused on functional requirements. However, it is important to note that the technical requirements could have their own dedicated diagram. The IT department and administration are committed to supporting these technical requirements to facilitate business growth and attract more users.

In conclusion, the system requirements for DriverPass include modern hardware, minimum Windows 10 or later version of iOS, and a strong focus on security measures such as two-step authorization, complex passwords, and cloud data backup. The back-end requirements include a full-time developer for customer support and interface updates.