# CS 255 System Design Document Template

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## 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

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

* The interface will be pc/ mobile based.
* The interface will allow test taking and studying.
* The interface will allow for account management.
* The interface will allow scheduling.
* The interface will be interactive.
* The system shall have the ability for admins to manage accounts.
* The system shall be able to be updated with code changes.
* The system shall allow users and admins to schedule training.
* The system shall allow users and admins to modify training.
* The system shall users to purchase packages.
* The system shall allow users to see their driver/ instructor.
* The system shall be accessible and reliable.
* User must login using their username and password
* Cloud based platform should take care of security
* If Brute force attempt. Lock user account.
* Forgot password module based on user account info. Email or contact phone number.
* Admin will have access to modify user and admin accounts.
* Some changes with out modifications to code. I.e. prices and packages.
* System should be cloud based. According to Ian from DriverPass.
* System needs to be able to be scalable, as users increase.
* System should be fast to lessen user wait/ loading times.
* Windows Based for use of databases and excel.
* Cloud based for user maintainability.
* Each user has an input case-sensitive password and username.
* Users will be either customer or administrators.