# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Log in Activity Diagram

*Diagram

Description automatically generated*

Package Management

Diagram

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### UML Sequence Diagram

Diagram

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### UML Class Diagram

Diagram

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## Technical Requirements

Since the application is web-based, a web server is required for each user to access its webpage and have the information updated in real time. The security server exists to mitigate fraudulent users having access to legitimate user information. The security server also helps allow the user to reset their password, if needed. The application should be cloud based on account of the everchanging number of users and the information that needs to be updated on a daily basis. The user information database can be SQL derived to make querying for information faster.