# CS 255 System Design Document William Tunstall

## UML Diagrams

### UML Use Case Diagram

*A diagram of a software process

Description automatically generated*

### UML Activity Diagrams

A diagram of a process

Description automatically generated

A diagram of a payment method

Description automatically generated

### UML Sequence Diagram

A diagram of a login sequence diagram

Description automatically generated

### UML Class Diagram

A screenshot of a computer

Description automatically generated

## Technical Requirements

This system will be a web-based system that will be deployed using a cloud-based hosting service. This application will be developed using the python language and will use the cloud-based hosting service to house the database that will contain user login information, the server code, as well as the main Python code. The service must include a mobile version so that the owner can access data on the go. The data stored in the database must be encrypted in order to ensure security of data.