# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity DiagramsDiagram Description automatically generatedDiagram Description automatically generated

### UML Sequence Diagram

Box and whisker chart

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

* System should check for brute force attacks and timeout login attempts from such accounts
* System should require a valid password and account identifier for access
* System should allow admin to access data online from any computer or mobile device
* System should allow for change tracking and provide activity reports
* System should allow user account creation and management
* System should allow office staff to make reservations during in person office visits or phone calls
* System should track which user is matched with driver, time, and car
* System should include owner, IT support, secretary, and customer accounts
* System should allow users to reset password if forgotten
* System should be cloud based and include backup and security management
* System should allow interface to be accessible with mobile, desktop, and tablet computers
* System users include owners, administrators, drivers, and clients
* System interface should include branding and colors applied in a consistent manner
* System interface should receive input via the appropriate method for the device, whether capacitive touch or physical key and mouse.
* System interface should include login, contact, and a personalized page for each client
* System interface should include logo, test progress, contact information, special needs, driver and student photos, and driver notes for the main client page
* System interface should include an account creation choice on the login page