# CS 255 System Design Document

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## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Activity Diagram #1 – Secretary

Diagram

Description automatically generated

### Activity Diagram #2 – Updating Package Content

Diagram

Description automatically generated

### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

* The system shall validate user credentials when logging in.
* The system shall allow a user to reset their password.
* The system shall allow the administrator to update content.
* The system shall track defined package offerings.
* The system shall allow a system administrator to perform system updates.
* The system shall allow users to register for lessons and choose packages.
* The system shall maintain a schedule of availability for drivers and cars.
* The system shall allow the system administrator to download audit reports.
* The system shall track and audit all changes made to data.
* The system shall allow a system administrator to reset a user’s password.
* The system shall allow a system administrator to terminate user access.
* The system shall maintain security groups, roles, and related levels of access.