# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a user pass

AI-generated content may be incorrect.

### UML Activity Diagrams

A diagram of a user pass

AI-generated content may be incorrect.A diagram of a user pass

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### UML Sequence Diagram

A diagram of a package

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### UML Class Diagram

A diagram of a software application

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## Technical Requirements

- Web-based system hosted in the cloud; no on-premises servers required  
- Accessible via modern browsers (Chrome, Firefox, Safari, Edge) on desktops and mobile devices  
- Backend supported by a relational database to store user accounts, lesson records, test scores, and vehicle data  
- Uses HTTPS for all data communication to ensure security  
- Built-in automated email system for confirmations and notifications  
- Admin portal requires secure login and role-based access control  
- System designed for horizontal scalability to support growth in users