# CS 255 System Design Document Liam Daley

## UML Diagrams

### UML Use Case Diagram

A diagram of a driver pass system

Description automatically generated

### UML Activity Diagrams

A diagram of a work flow

Description automatically generated

A diagram of a process

Description automatically generated

### UML Sequence Diagram

A diagram of a process

Description automatically generated

### UML Class Diagram

A screenshot of a computer

Description automatically generated

## Technical Requirements

* The system must have its complete customer feature set be accessible from all major Web browsers, meaning compatibility with all basic and advanced content.
* The system must be operated by capable Web servers with high-speed Internet access to reliably serve customers and staff.
* The system must host user data, booking information and student test results on reliable databases for fast and efficient access.
* The system must secure itself against unwanted intrusion via user authentication and encryption methods.
* The system must utilize email services to notify administrators and staff to updates and priority events.
* The system must interact with a payment gateway to facilitate customer transactions both online and in person.