Aeriel Denmark

CS 255 - System Analysis and Design

Bryant - Project #2

## \*due Sun 4/16/23\*

# System Design Document

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagram

Diagram

Description automatically generated

### UML Sequence Diagram

Chart, box and whisker chart

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

There are several technical requirements that must be considered for the system design for DriverPass. These requirements are related to the necessary hardware, software, tools, and infrastructure needed for the system to function effectively.

**Hardware Requirements**:

The system will require a server or a cloud-based platform to host the website, databases, and other software components. Customers and employees will need access to the system through their devices, so the system must be designed to work on a range of devices and operating systems.

**Software Requirements**:

The system will require several software components, including a web server, a database management system, and an operating system. The system must be designed to be compatible with popular web browsers and mobile devices. The system must also be designed to handle the different driving packages, online classes, in-person lessons, and practice tests that will be provided to the customers.

**Tools and Infrastructure**:

To design the system, the team will need access to a range of tools and infrastructure, including development software, project management tools, and collaboration tools. The system must be designed to handle different access levels and rights for different employees, and to securely store customer's sensitive information.