# System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a web application

Description automatically generated

Figure 1. DriverPass UML Use Case Diagram.

### UML Activity Diagrams

* **Use Case 1: Log In**

**A diagram of a software system

Description automatically generated**

Figure 2. UML Activity Diagram for the Log-In use case.

* **Use Case 2: Set Appointment**

**A diagram of a process

Description automatically generated**

Figure 3. UML Activity Diagram for the Set Appointment use case.

### UML Sequence Diagram

A diagram of a software

Description automatically generated

Figure 4. UML Sequence Diagram for the Log In use case.

### UML Class Diagram

A diagram of a software company

Description automatically generated with medium confidence

Figure . DriverPass UML Class Diagram.

## Technical Requirements

* The DriverPass system should be able to run on a web browser like Google Chrome, Mozilla Firefox, Microsoft Edge (Internet Explorer), etc.
* The web application should be web-responsive or able to adapt to screen size and controls if deployed for mobile devices as well.
* The back end of the application will demand a database for information storage and transfer of users in the system.
* The application should be cloud-based.
* The DriverPass system will require access to the internet or wifi.
* The DriverPass system will require a laptop, computer, Ipad, or mobile device to use the application.