## DriverPass System UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram 1. Use Case: Take Online Training

Diagram

Description automatically generated

Diagram 2. Use Case: Schedule Office Appointment

Diagram

Description automatically generated

### UML Sequence Diagram

Sequence: Modify Existing Appointment from Schedule Office Appointments Use Case

Application

Description automatically generated with low confidence

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

The DriverPass system requires the following implementations:

* Modern Server that contains a minimum 8GB RAM and 1000TB of storage. Additional slots should be available for the future growth of the system.
* Advanced networking devices, such as a router, switch, and hub, that are capable of handling the demands of 10,000 users at any given time.
* Graphics card capable of handling High-Definition quality videos.
* Printer, either connected via LAN or wirelessly.
* Basic I/O devices such as mouse, keyboard, and printer (paper/ink for printer).
* Windows operating platform; must be up-to-date and supported by its software development lifecycle (it must still receive hardware and security updates).
* Software should include up-to-date versions of Java and Python.
* Updated version of a web browser that regularly receives security updates.
* A RESTful API that securely handled the connections/exchange of information between the server and its users.
* A dedicated T3 line capable of handling high network traffic demands to its headquartered location.
* The location of the system server should be securely stored at the DriverPass headquarters with limited access to authorized personnel only.
* The location of the system must be in a climate-controlled environment to ensure that system failures do not occur because of overheating or too much humidity.