# CS 255 System Design Document – DriverPass – Jason Robbins

## UML Diagrams

### UML Use Case DiagramA diagram of a driver pass Description automatically generated with low confidence

### UML Activity Diagrams

A picture containing text, screenshot, design

Description automatically generated

### UML Sequence Diagram

A picture containing text, screenshot, parallel, number

Description automatically generated

### UML Class Diagram

A diagram of a driver pass

Description automatically generated

## Technical Requirements

For this system there are no planned hardware requirements as from the beginning of the system concept, the client stated that they did not want to have responsibility for any hardware, nor did they want any responsibility with managing the system software. Because of this we will look to a webhosting platform like Amazon Web Hosting to host our website and to act as the base building block for some other web services we need.

The other services that are included would be a database hosting platform to store all our databases for our users and appointments which will most likely be a platform like MongoDB. To ensure the safety of the system, there will be password verification that will work alongside the database management that will be entrusted to a service like Stytch. There will also be a web service that will allow the any transactions through the web server to be secure, for this we would suggest Amazon Pay.

This fulfills the system requirements by keeping the entirety of the system platform online without the need for the client to manage the system while it keeping safe and secure to outside hacking attempts through password verification.