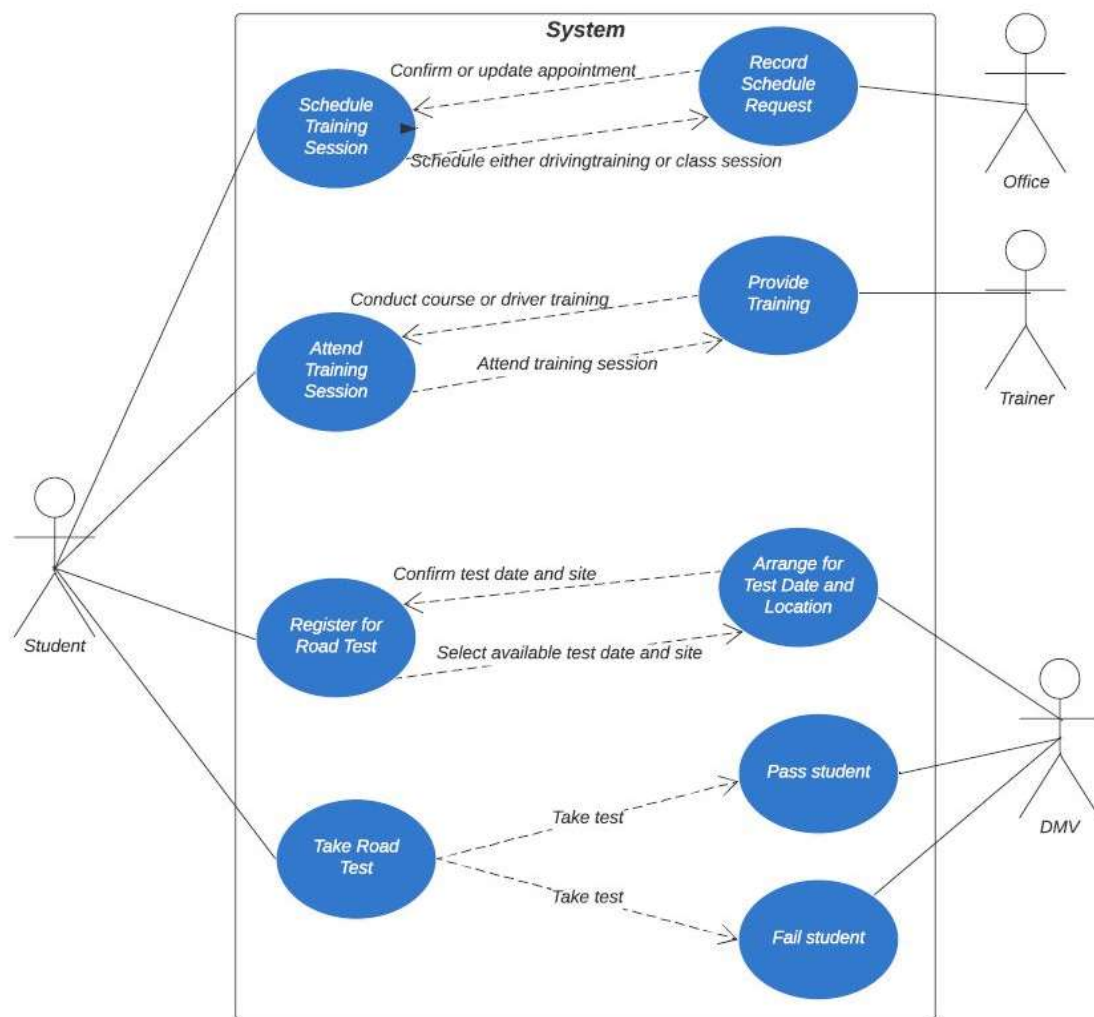


CS 255 System Design Document Template

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client's needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client's needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

UML Diagrams

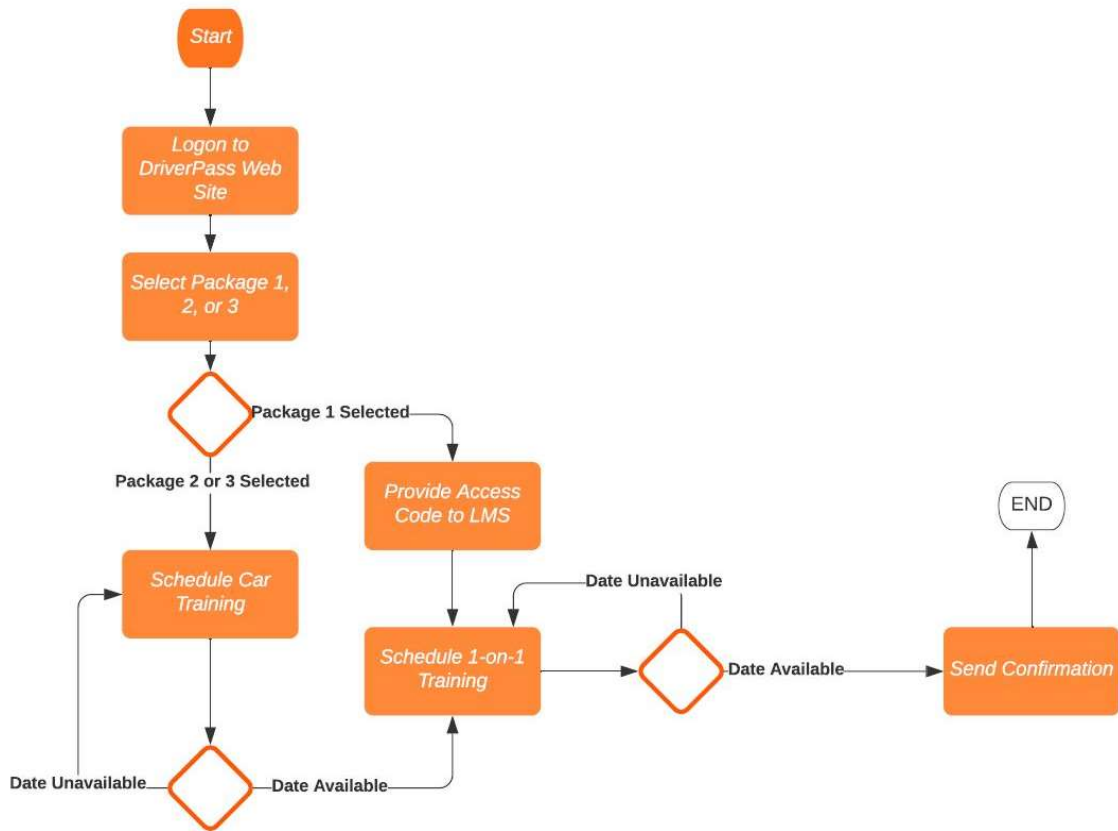
UML Use Case Diagram



UML Activity Diagram 1

DriverPass UML Activity Diagram / Customer Schedule Use Case

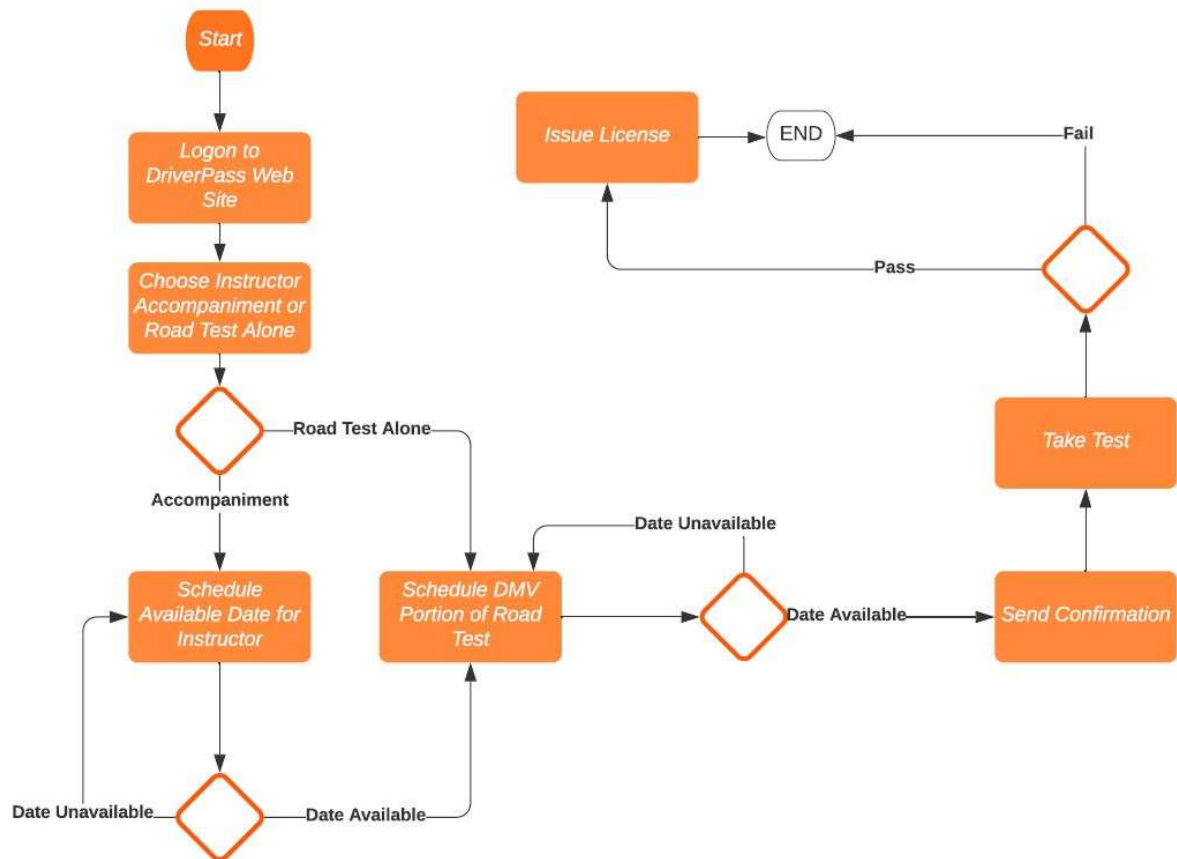
Michael Palatta | August 17, 2020



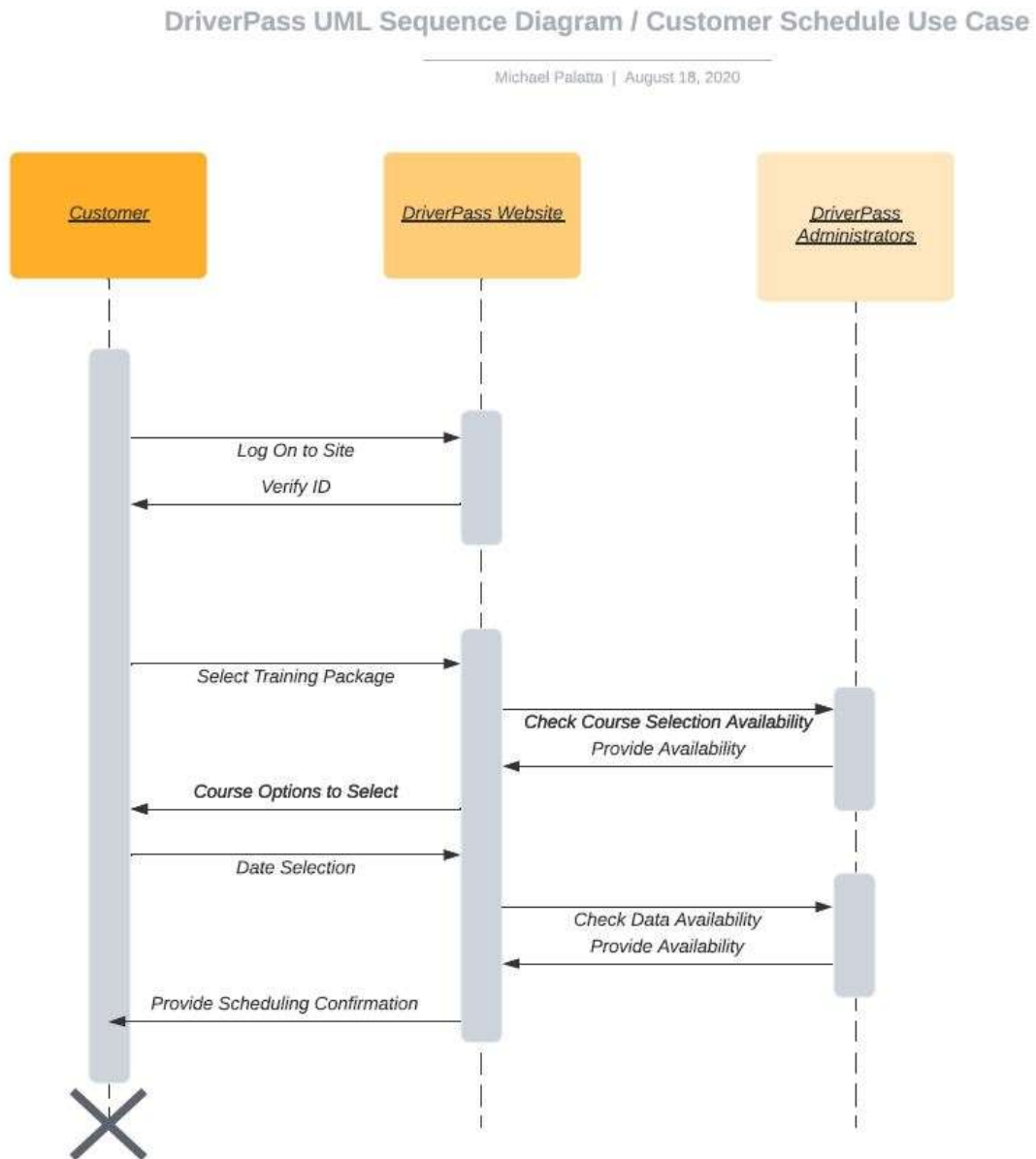
UML Activity Diagram 2

DriverPass UML Activity Diagram / Road Test Use Case

Michael Palatta | August 17, 2020



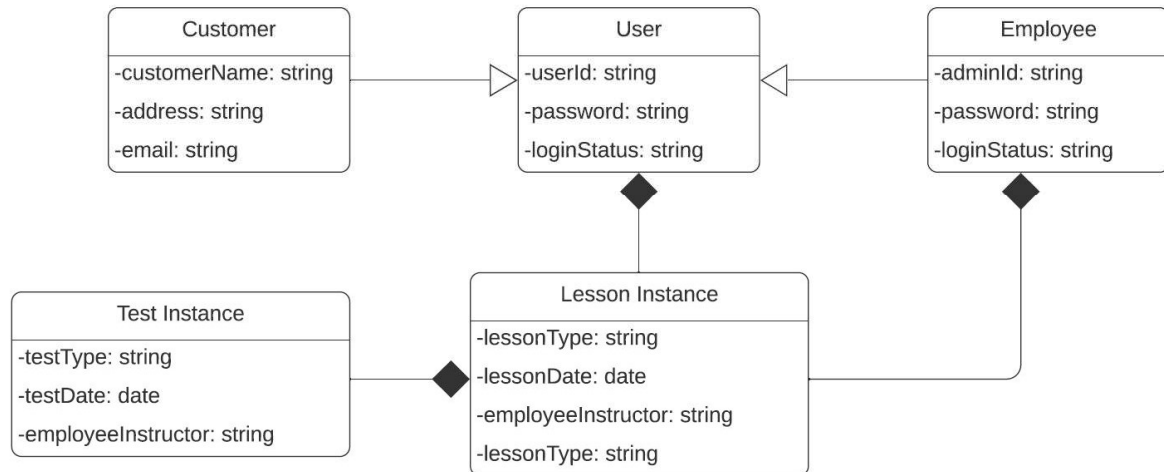
UML Sequence Diagram



UML Class Diagram

DriverPass UML Class Diagram / Customer Schedule Use Case

Michael Palatta | August 18, 2020



Technical Requirements

- Primary server(s) on site to store data for access
- Secondary server(s) to support regularly scheduled backups
- Vehicles for the instructors to use with mileage/geolocation recording
- Secure connection with TLS, IPsec to the DMV for test scheduling/reporting
- VPN with designated tokens for accessing company data while offsite
- App/interface designed for mobile OS users to access company data through VPN
- Group policy, security protocols to manage passwords and used authentication
- Hybrid cloud infrastructure to utilize processing power and data storage both on and off site
- Relational database that supports SQL/Excel/Access interface for dashboard reporting
- Record/field data structure preset to accept data (reservations, lesson dates, test failures, etc.)
- Dynamic storage to house updated DMV requirements and policies
- Full LMS set for user access and employee administering