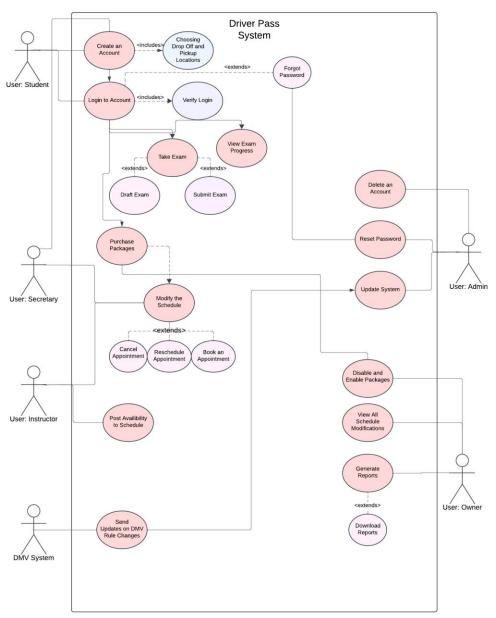


CS 255 System Design Document Template

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.

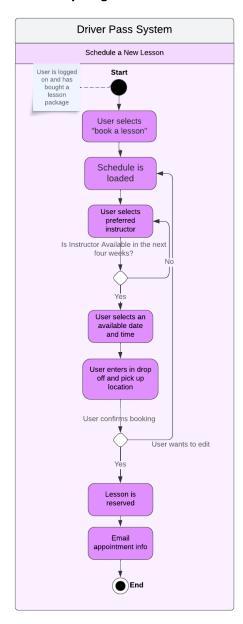
UML Diagrams

UML Use Case Diagram

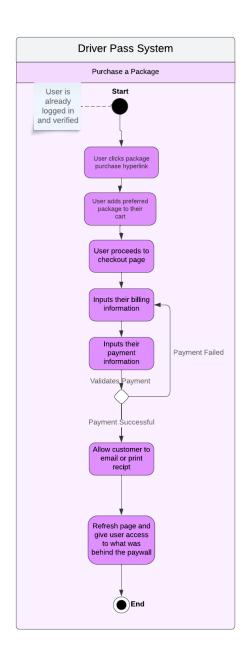




UML Activity Diagrams

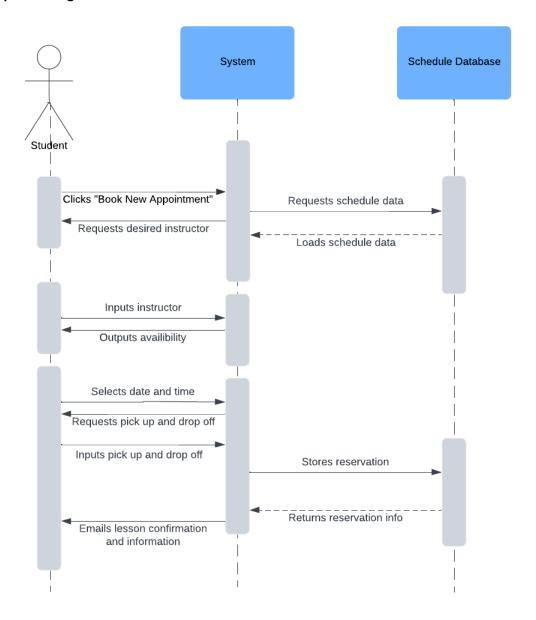






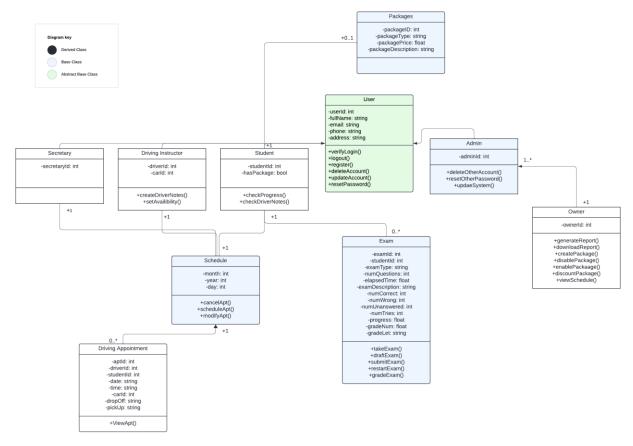


UML Sequence Diagram



UML Class Diagram





Technical Requirements

Hardware Required:

For users:

PC, laptop, or mobile phone/tablet with web browser.

Printer for the owner to print out reports

Cars for driving lessons

For system:

Cloud server

Software

- Database system to store user information and schedule information
 - Confidential information encrypted
- Works on any web browser
- Software should be regularly updated (maintenance) every three months, should be down for no more than two hours
- DMV updates should be integrated when they are sent over

Tools

- Support: the customer support number should be the number of the secretary who can help
 with registering accounts, scheduling issues, and transferring them to admin if account security
 concern comes up.
- Payment API: Verifies payment (card legitimacy and address legitimacy)
- Role based system access: Everyone should only be able to access the use cases (functionalities)
 assigned to their role



Infrastructure

• Focus on modular function heavy coding so that it is easier to implement new features and updates when necessary