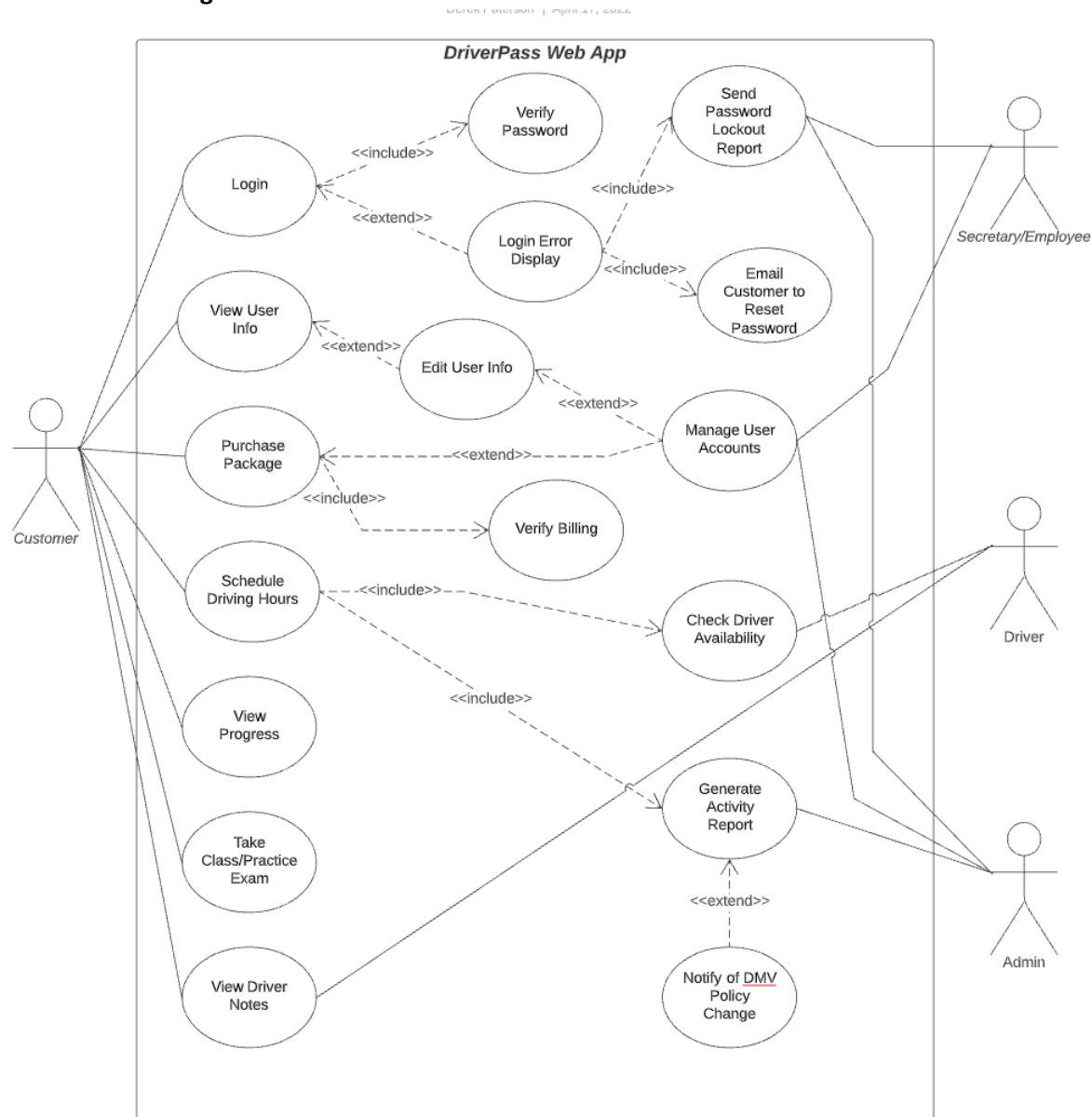


CS 255 System Design Document Template

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

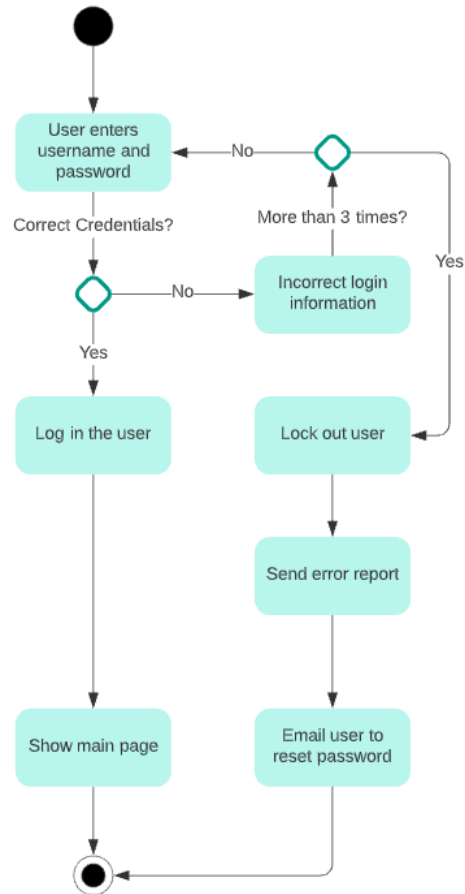


UML Activity Diagrams

The use cases I chose are user login and scheduling driving hours.

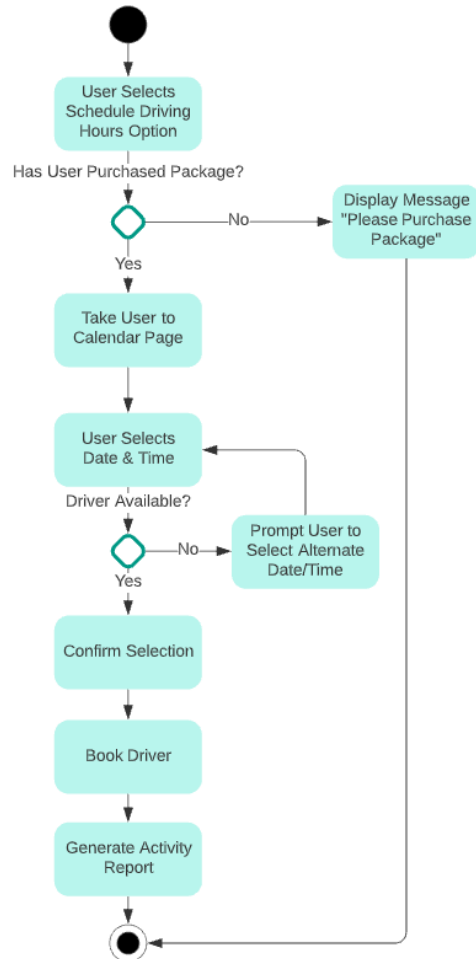
User Login Activity Diagram

Derek Paterson | April 17, 2022



Schedule Driving Hours Activity Diagram

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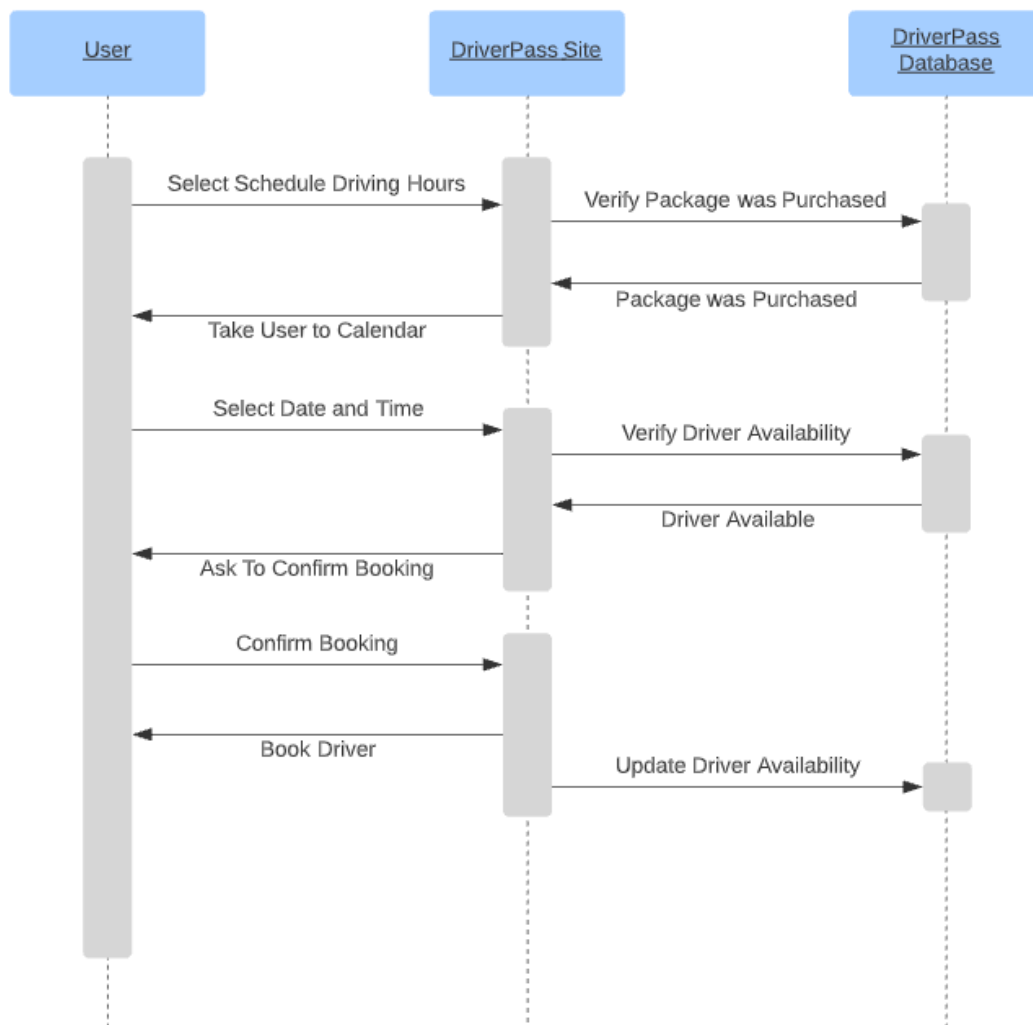


UML Sequence Diagram

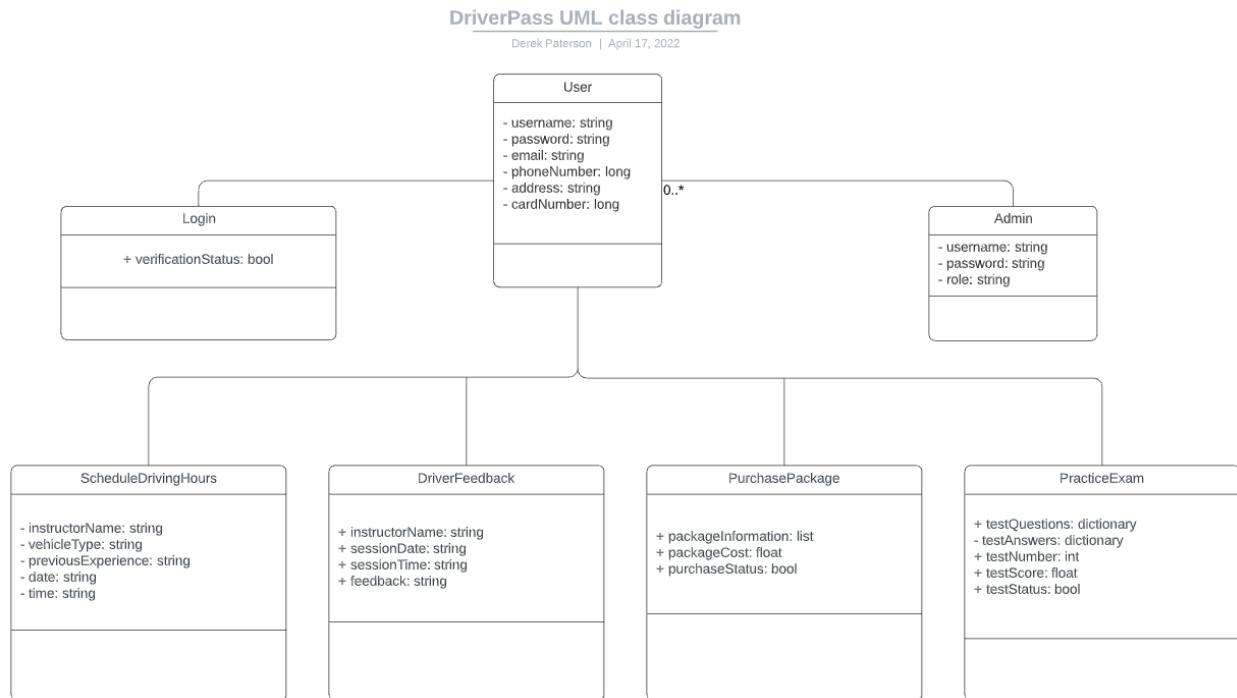
The use case I chose to make a sequence diagram of was the schedule driving hours use case. I have not included the activity report generation, because that would be a separate function that happens for all changes, unrelated to user scheduling driving hours. It additionally assumes the user is logged in successfully.

UML Sequence Diagram

Derek Paterson | April 17, 2022



UML Class Diagram



Technical Requirements

The new DriverPass system will be a web-app that is developed with HTML, javascript, and python. It will be converted to a smartphone application with a technology such as ApacheCordova without the need to maintain multiple code bases. It will be a cloud based system so the hosting and the databases necessary for the system will be in the cloud.