Southern New Hampshire University

CS 255 System Design Document Template

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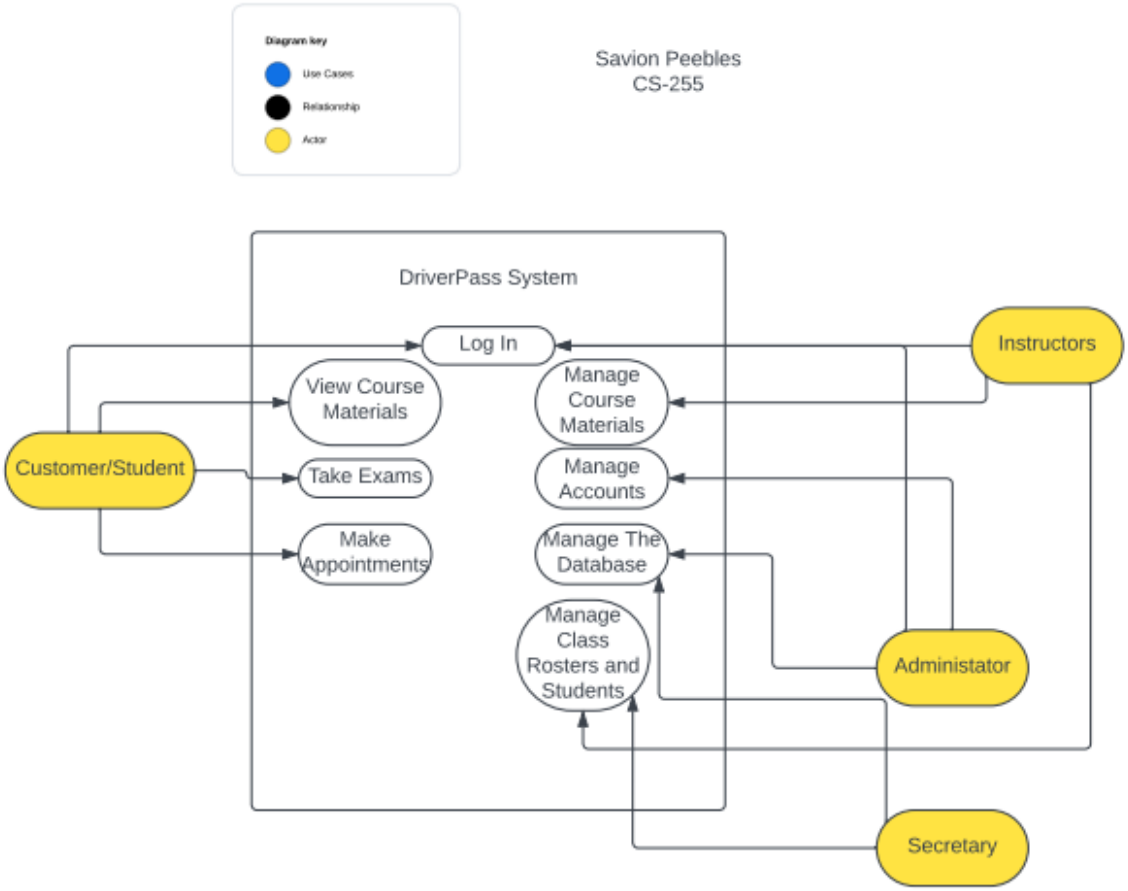
CS-255

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.

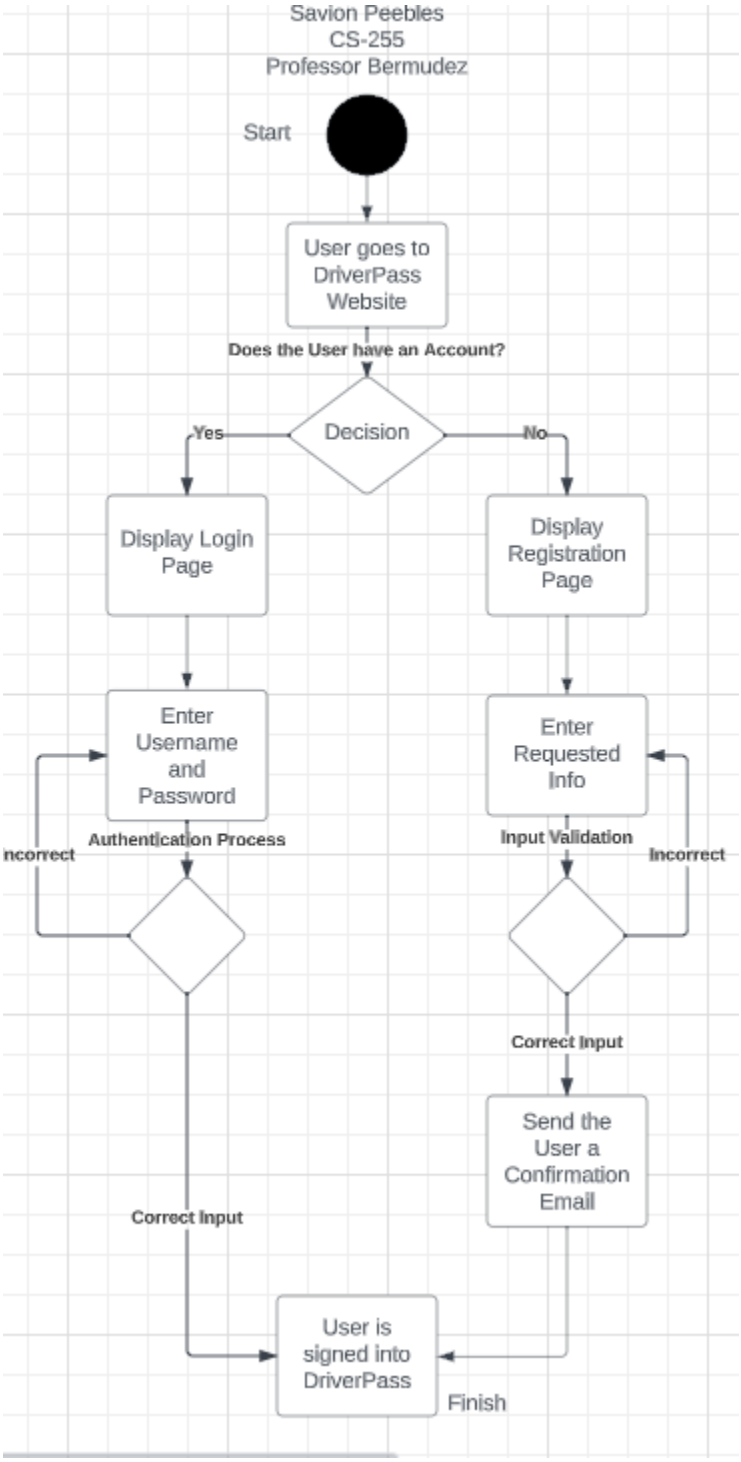
UML Diagrams

UML Use Case Diagram

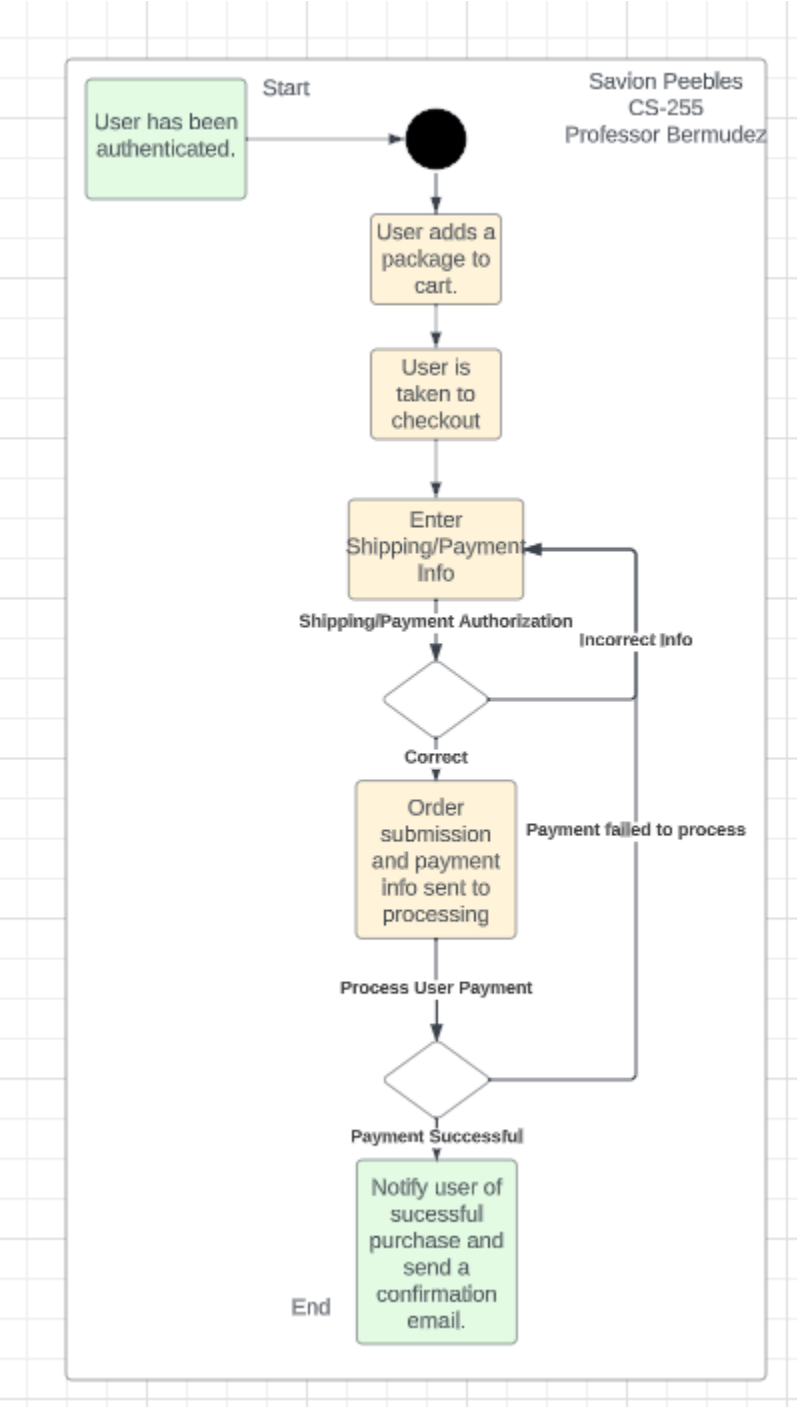


UML Activity Diagrams

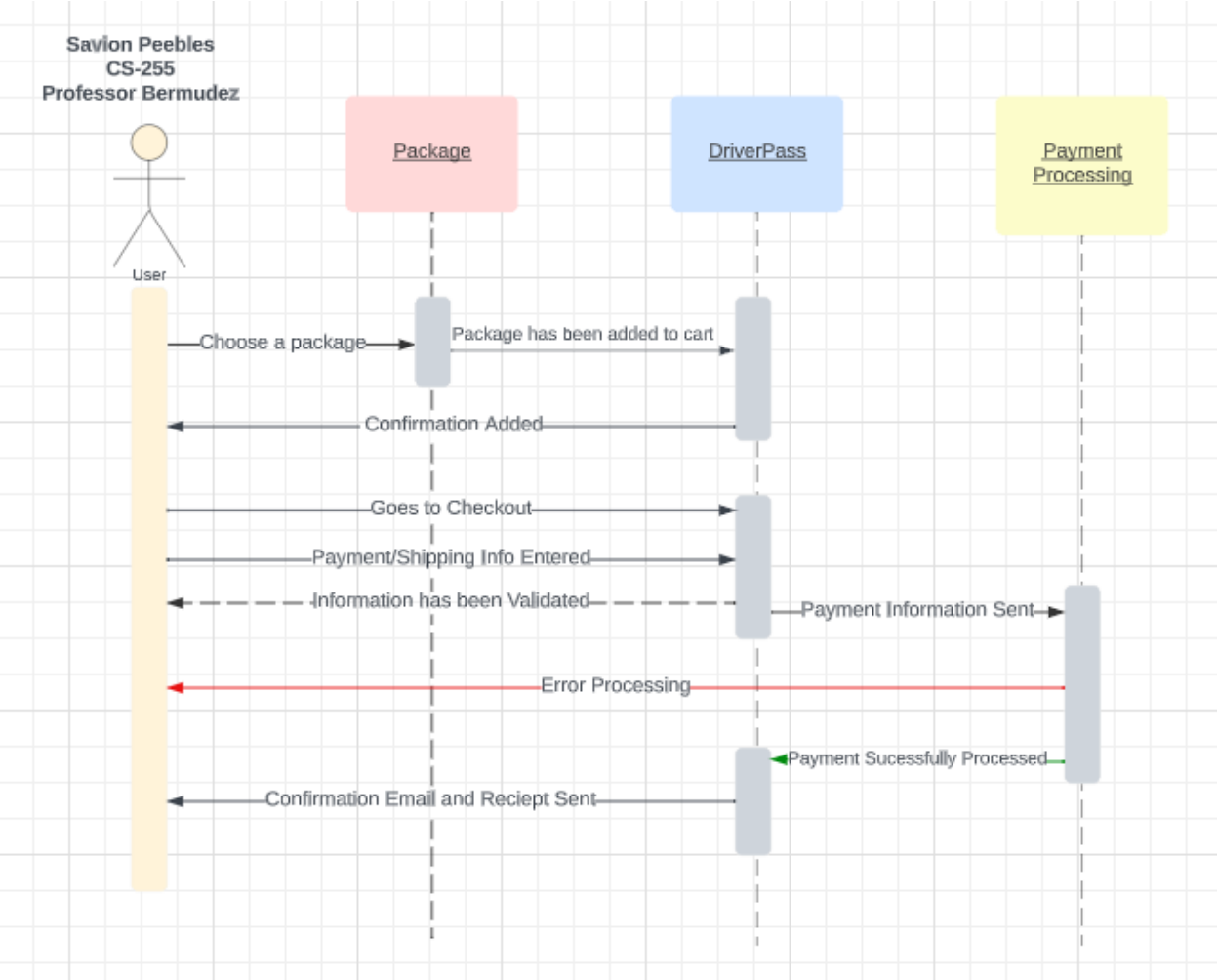
Register/Login Activity Diagram (Below)



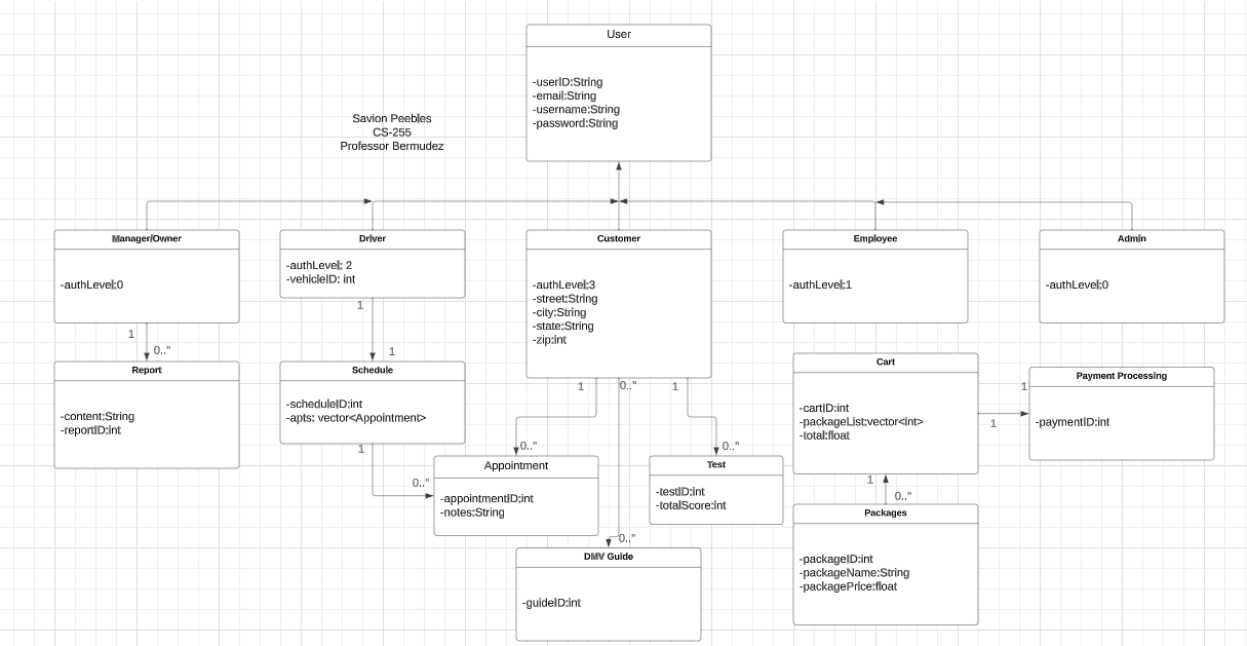
UML Activity Diagram for Purchasing a package (Below)



UML Sequence Diagram
(Below)



UML Class Diagram
(Below)



Technical Requirements

There is a variety of components and technical requirements needed in order for DriverPass to function as it was intended to.

- Software Requirements:
  - Implementation of a web server for the website to run on such as Apache.
  - A recommendation for the utilization of a windows server in order to bring stability.
  - Using an SQL Server to maintain the database.
  - Backup software integration for our database and website.
  - Security software to prevent malicious threats and attacks.
- Hardware Requirements:
  - Stable, reliable internet connection.
  - Proper amount of storage for website and database data.
  - Computer or mobile phone to access website.
  - Dedicated server for the website.
  - Firewall to protect devices from malicious threats and attacks.
- Geographical Considerations
  - Securing website and database in a data center.
  - Make sure the server is in a central location in order to better performance.
  - Ensure that the website is capable of being accessed in it home country of America.