Kayla Macklin

04/20/2025

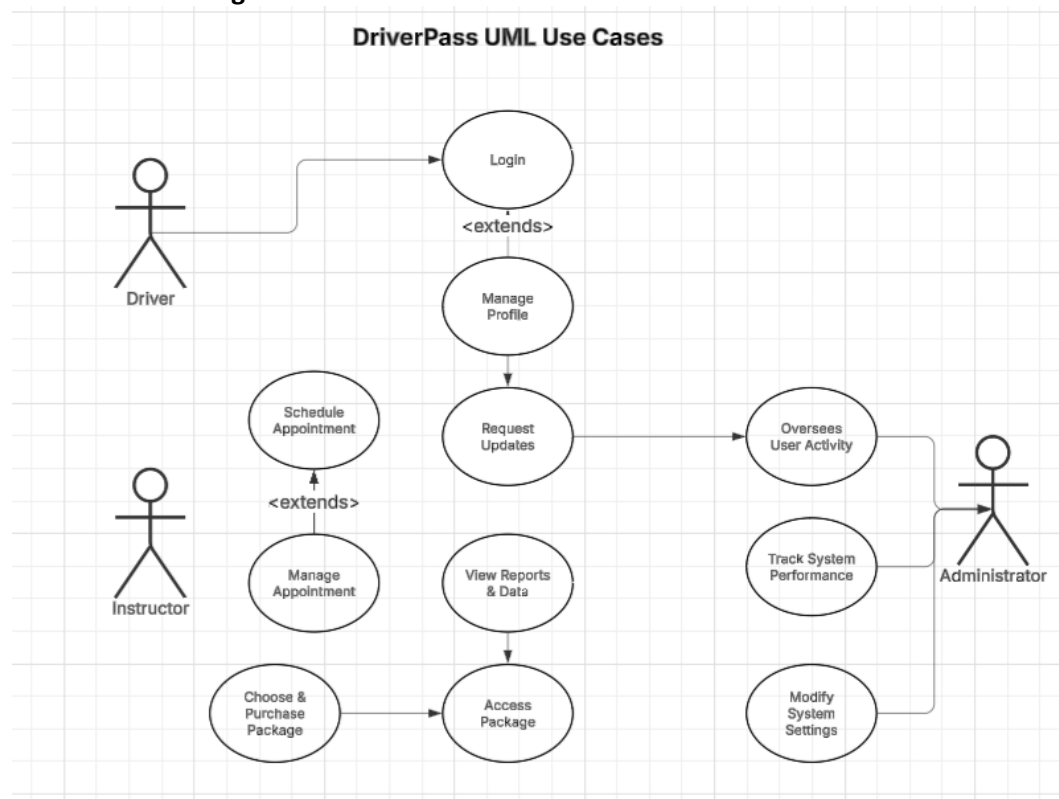Southern
New Hampshire
University
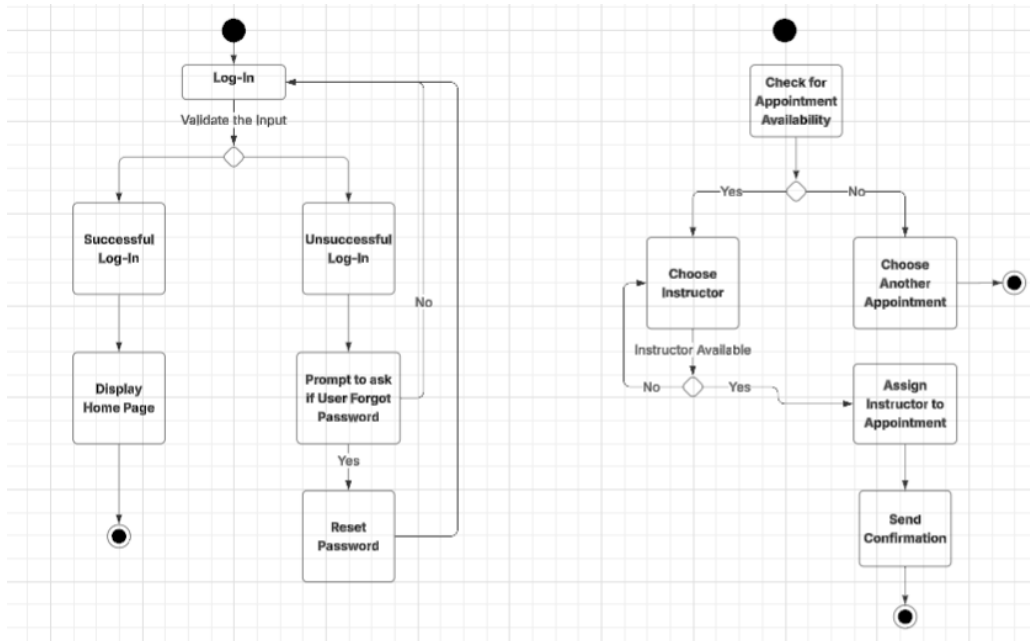
CS 255 System Design Document Template

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.
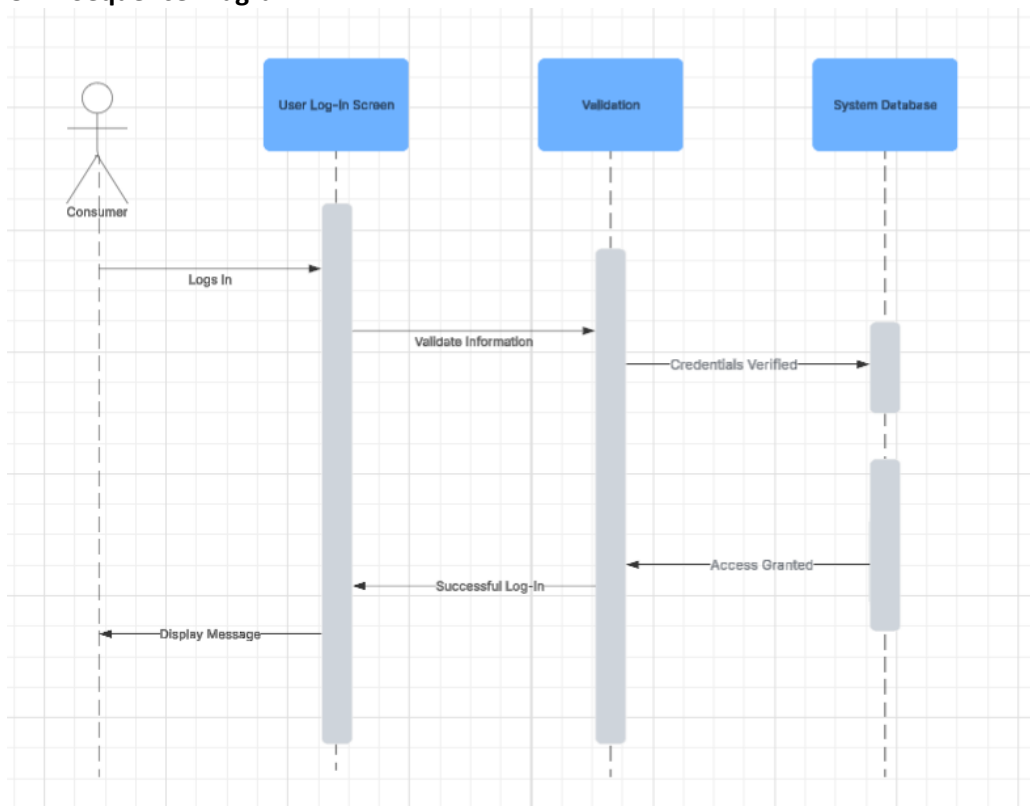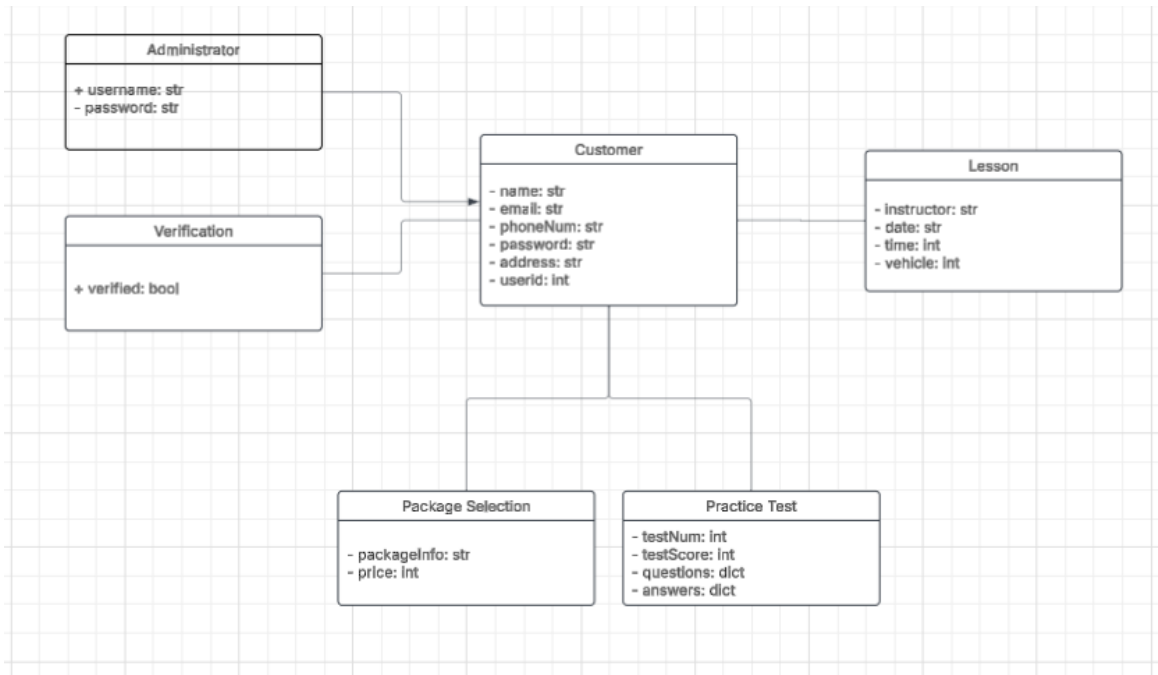
UML Diagrams

UML Use Case Diagram

UML Activity Diagrams

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UML Sequence Diagram

UML Class Diagram

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Technical Requirements

- The application will be web-based and look like a typical website. It will offer specific access levels.
- The system must be capable of handling requests efficiently.
- Upon logging in, it will check the user's credentials for verification.
- Throughout the courses, the system will generate detailed progress reports.
- It should also be able to scale quickly as needed.
- Additionally, the system must provide access to online practice tests.