

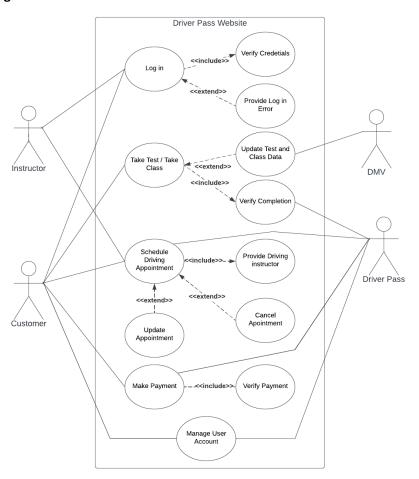
### **CS 255 System Design Document Template**

#### Kyle Lund

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**

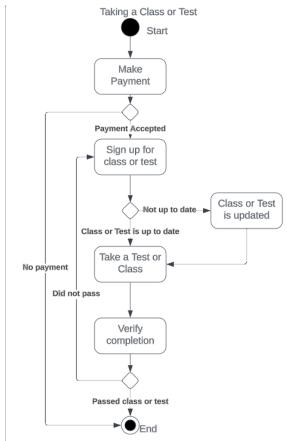
#### **UML Use Case Diagram**



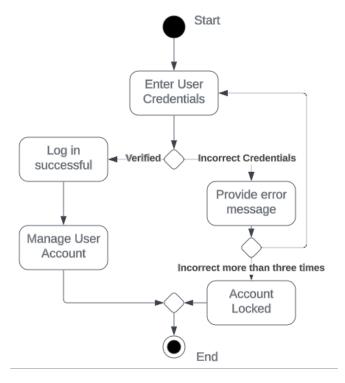
#### **UML Activity Diagrams**

[You were asked to choose **two** use cases and create **two** activity diagrams, one for each use case. Please insert both activity diagrams here. Check to make sure that you included appropriate components and symbols and that your design meets the client's needs.]

# Southern New Hampshire University

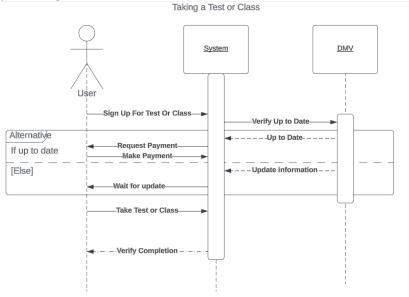


Logging in To User Account

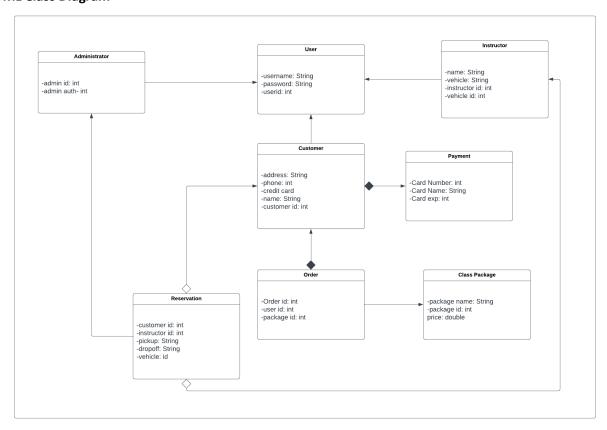




[You were asked to create a sequence diagram based on **one** of the use cases you chose. Please insert your sequence diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client's needs.]



#### **UML Class Diagram**



**Technical Requirements** 



The hardware requirements for the system are not heavily strained. The system should be web-based, which will only require a server to run the site. For the site admins they must have tools to monitor and manage user accounts and information to keep information to date and step in when problems occur. The interface requirements are web-based, to access the site only a web browser is needed letting customers, administrators, and instructors to access their accounts. Adaptability is an important feature of this website, the system shall allow users to update their information, delete and remove their accounts. Admins will need full access to the system to provide updates, fix problems, add or remove users, and be notified of potential changes to the system. The server must be fast enough to allow multiple users to access their accounts at the same time, including scheduling driving appointments, taking classes and tests. Without a strong server the site can experience slowdown problems, to a shutdown of the site.