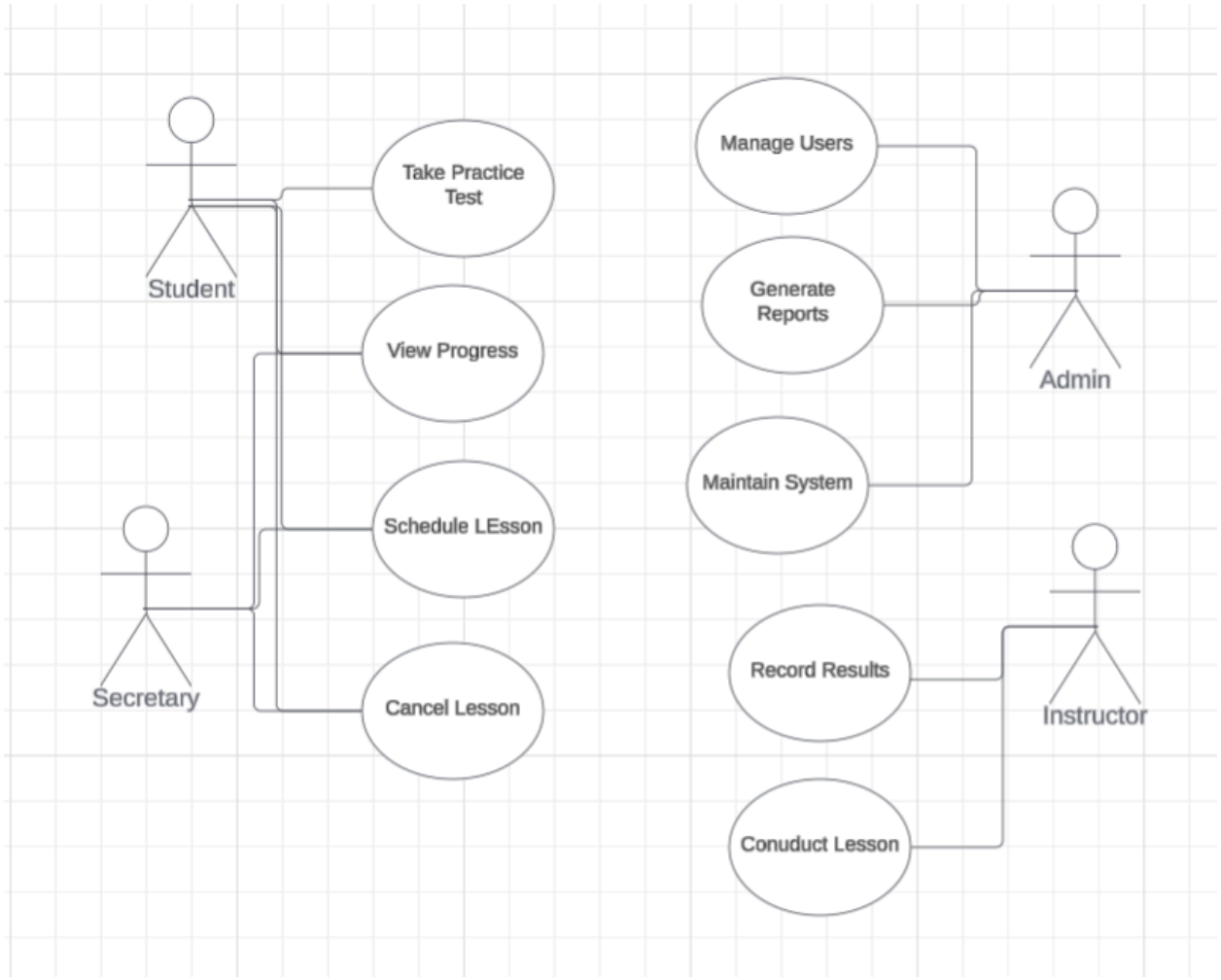
CS 255 System Design Document Template

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

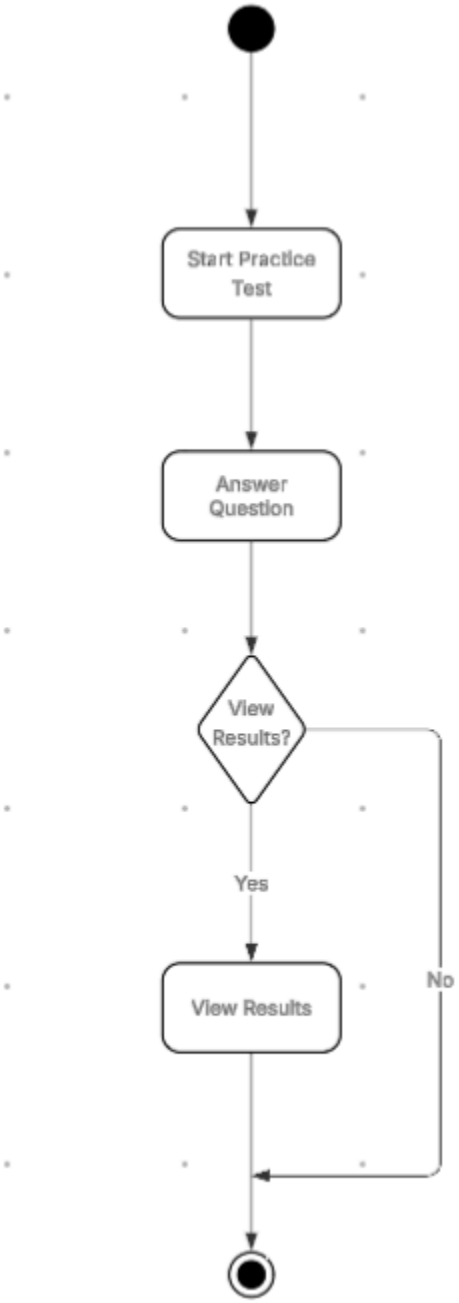
UML Use Case Diagram

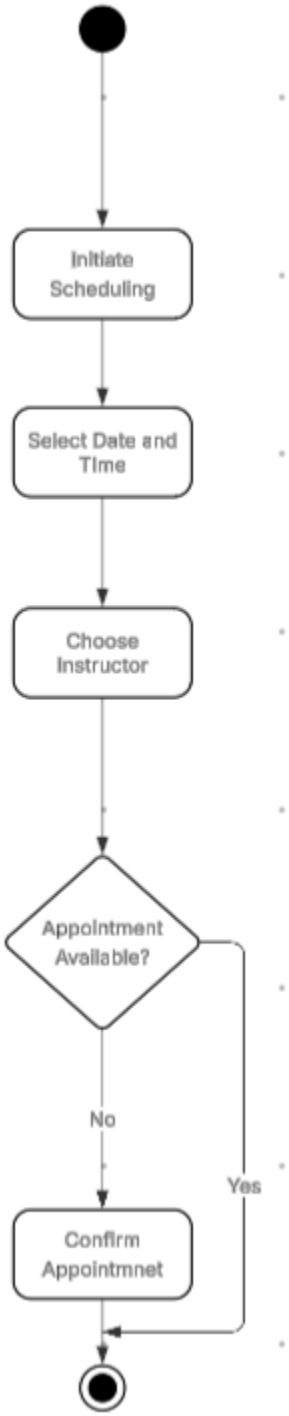
[In Module Six, you were asked to complete a use case diagram based on your system design. If you would like to make any adjustments to your diagram, please do so. Please insert your use case diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client's needs.]



UML Activity Diagrams

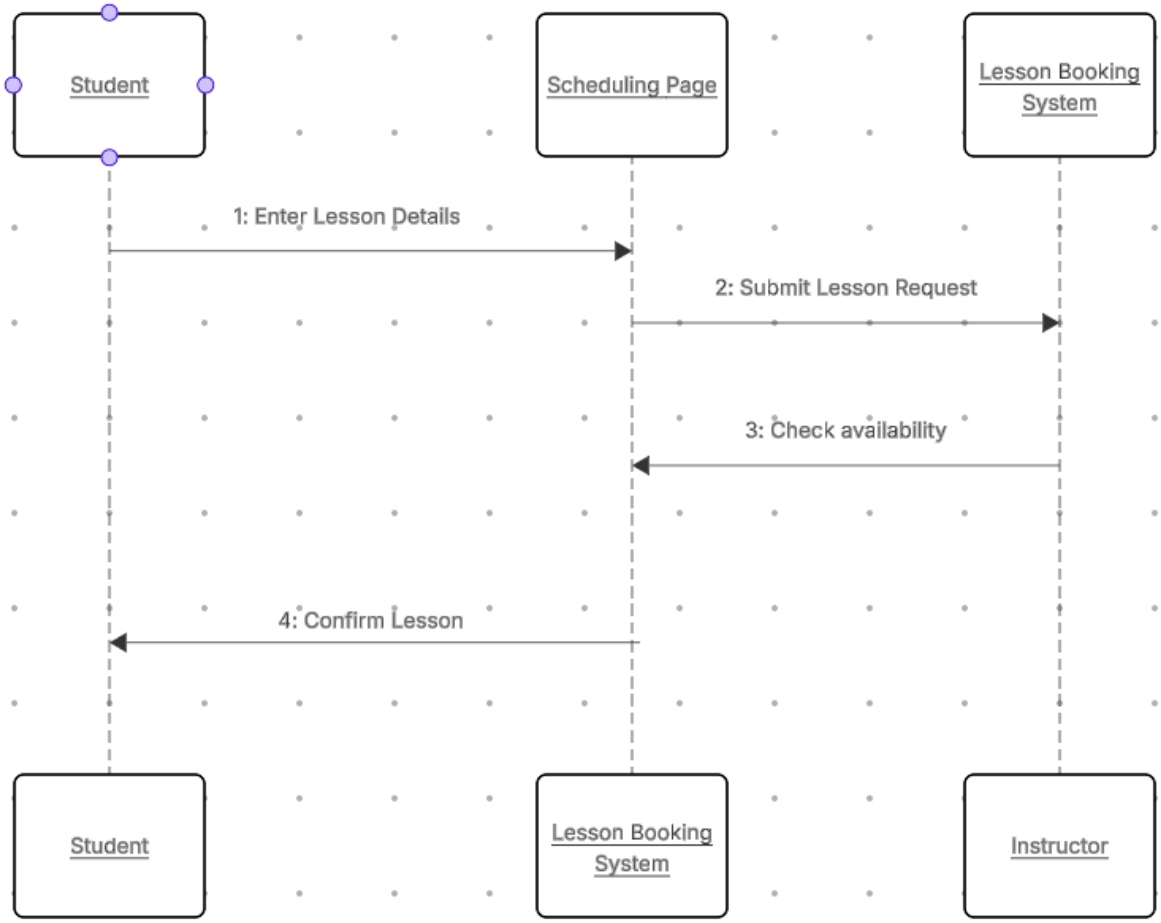
*[You were asked to choose **two** use cases and create **two** activity diagrams, one for each use case. Please insert **both** of your activity diagrams here. Check to make sure that you included appropriate components and symbols and that your design meets the client's needs.]*





UML Sequence Diagram

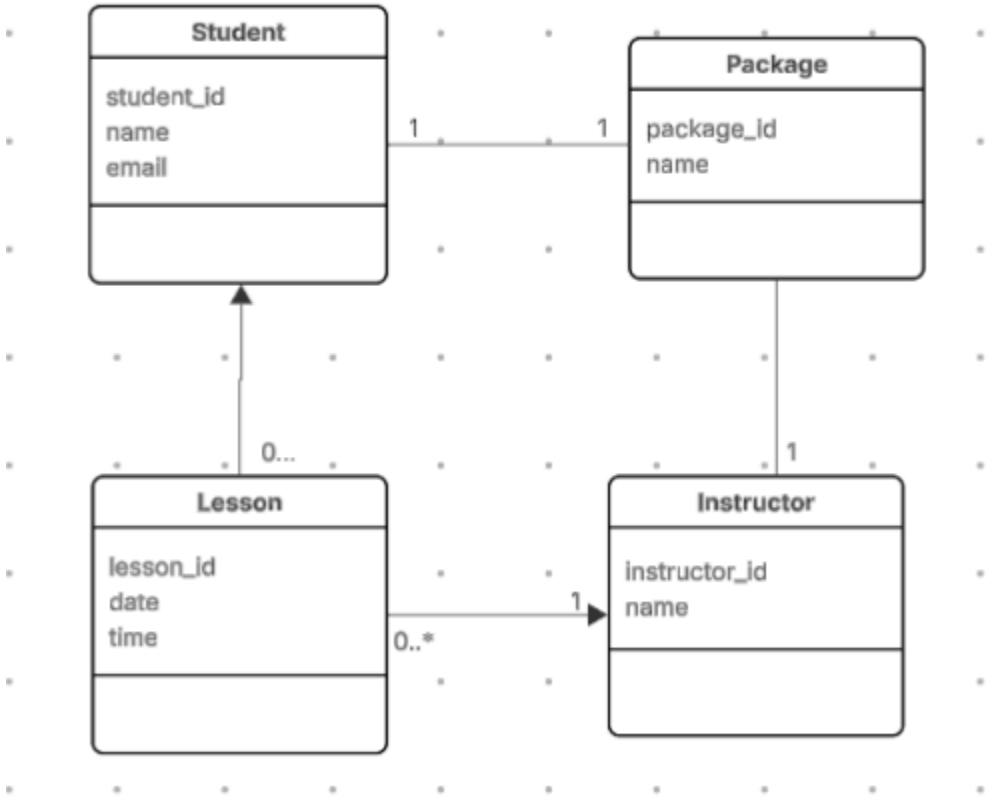
*[You were asked to create a sequence diagram based on **one** of the use cases you chose. Please insert your sequence diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client's needs.]*



UML Class Diagram

*[You were asked to create a class diagram based on the different classes and attributes needed for your system design. You are **not** required to include methods, but you may if you wish. Please insert your class diagram here. Check to make sure that you included appropriate components and symbols and that your*

design meets the client's requirements.]



Technical Requirements

[Based on the diagrams you have created, describe the technical requirements of your system. These requirements should address the required hardware, software, tools, and infrastructure necessary for your system design.]

DriverPass needs a reliable online system that works on any device with internet access. We'll use a Linux server with enough power and storage to handle everything. The backend will be built using popular programming languages and connect to a database to store important information. The frontend will use modern web design techniques to create a user-friendly interface. We'll make sure everything is secure by using HTTPS and controlling who can access what.

We'll also connect to other services like the DMV to keep our information up to date, and use email services to send notifications. We'll keep track of what happens in the system and back up data regularly to prevent loss. We'll use common development tools to manage updates and changes, and we'll monitor the system to make sure it's always working smoothly. This setup will help DriverPass provide a reliable and efficient service to its users.