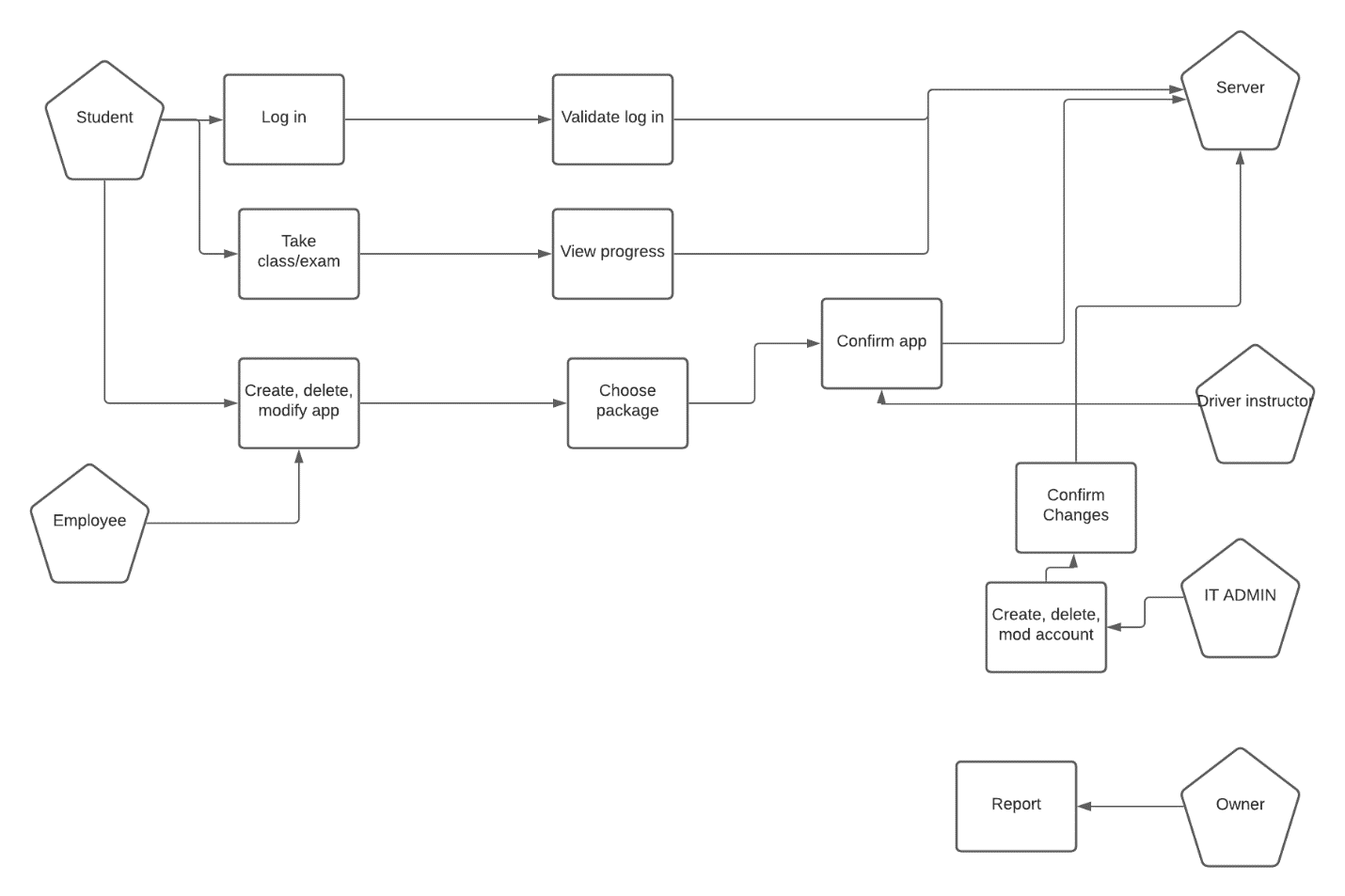
# CS 255 System Design Document Template

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

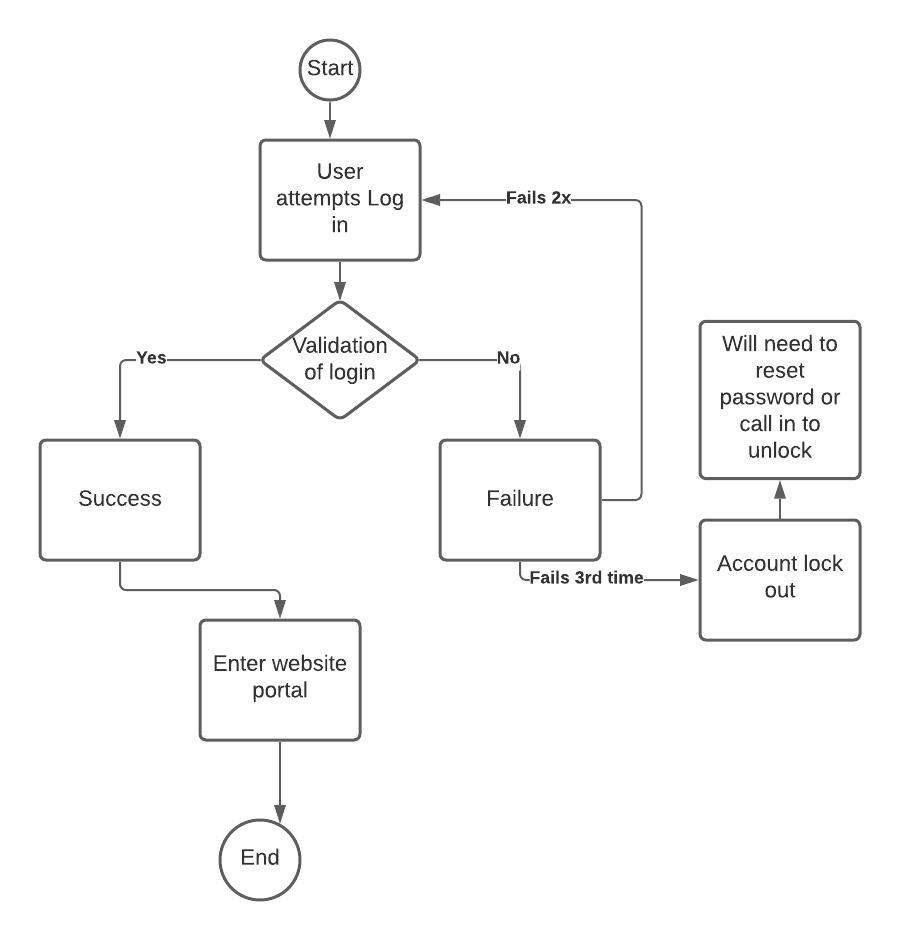
### UML Use Case Diagram

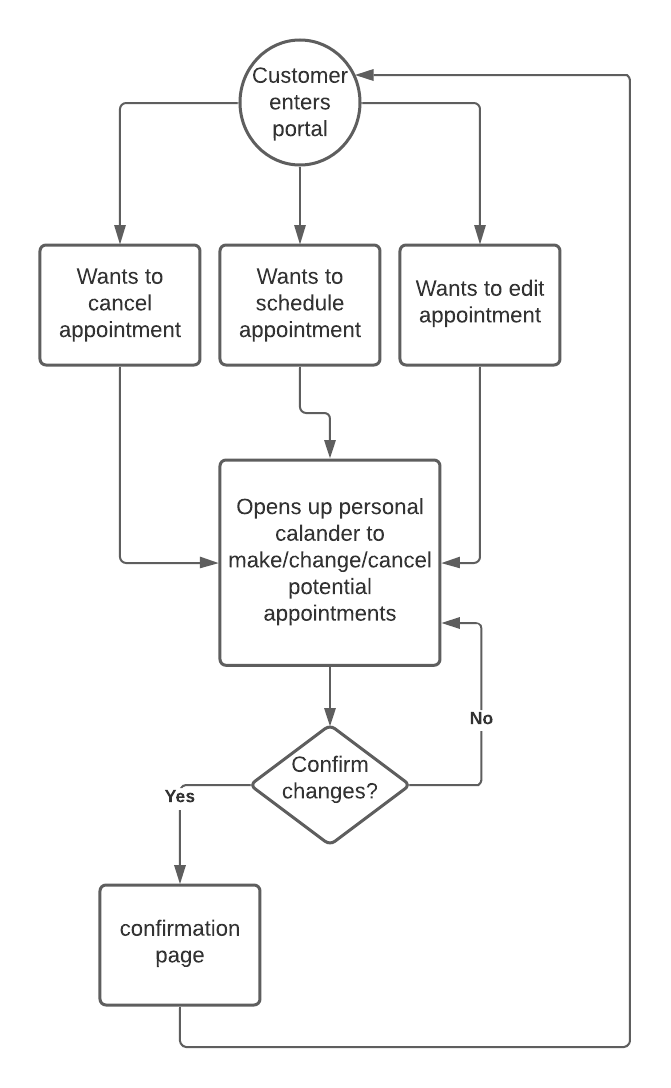
*[In Module Six, you were asked to complete a use case diagram based on your system design. If you would like to make any adjustments to your diagram, please do so. Please insert your use case diagram here. Check to make sure that you included appropriate components and symbols and that your design meets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



### UML Activity Diagrams

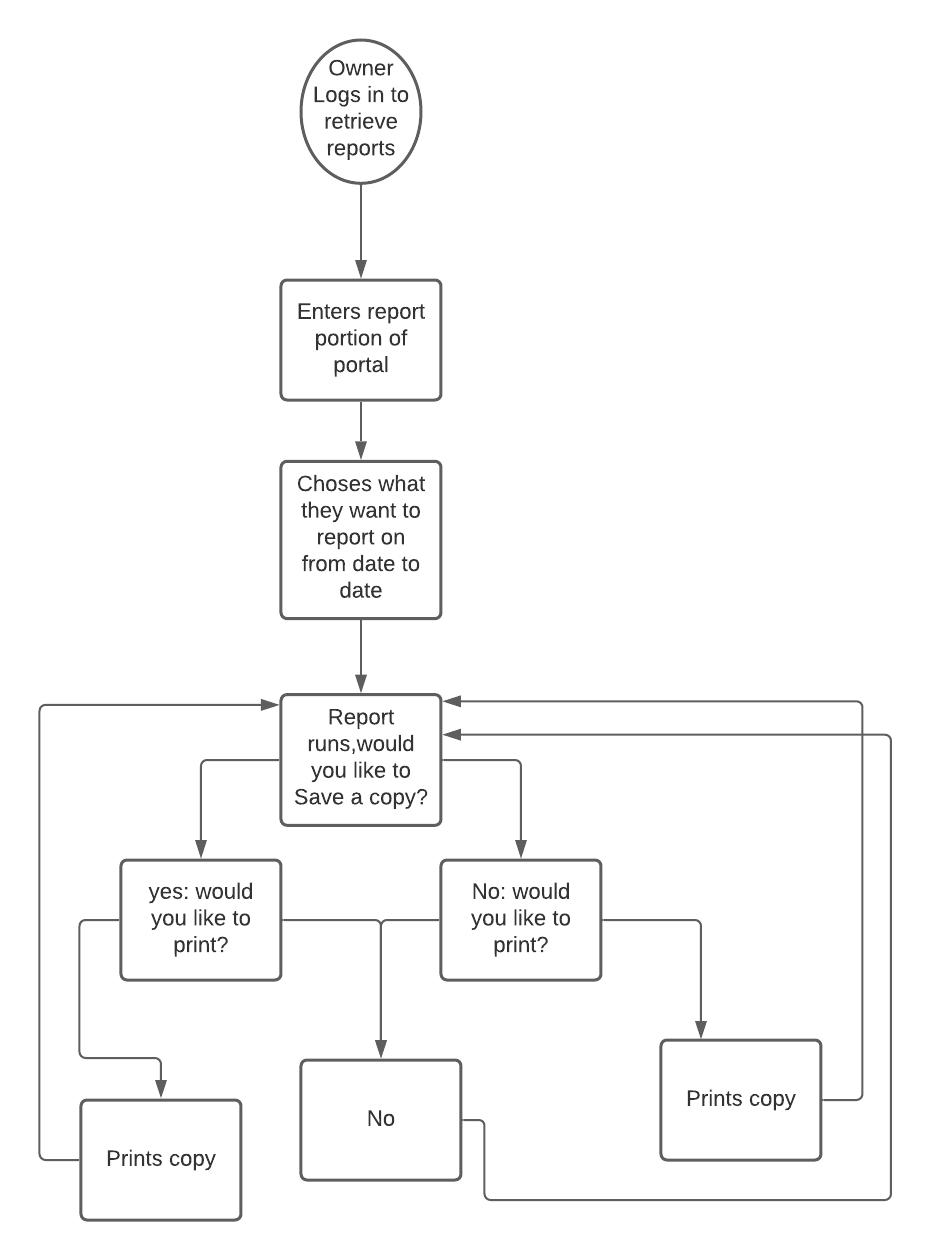
*[You were asked to choose* ***two*** *use cases and create* ***two*** *activity diagrams, one for each use case. Please insert* ***both*** *of your activity diagrams here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s needs.]*

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### 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.]*

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### 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.]*

*Portal -> check who logs in(customer,employee)*

*If Customer:*

*online exams/practice tests*

*Schedule driving time(s)*

*Order package(s)*

*If general employee:*

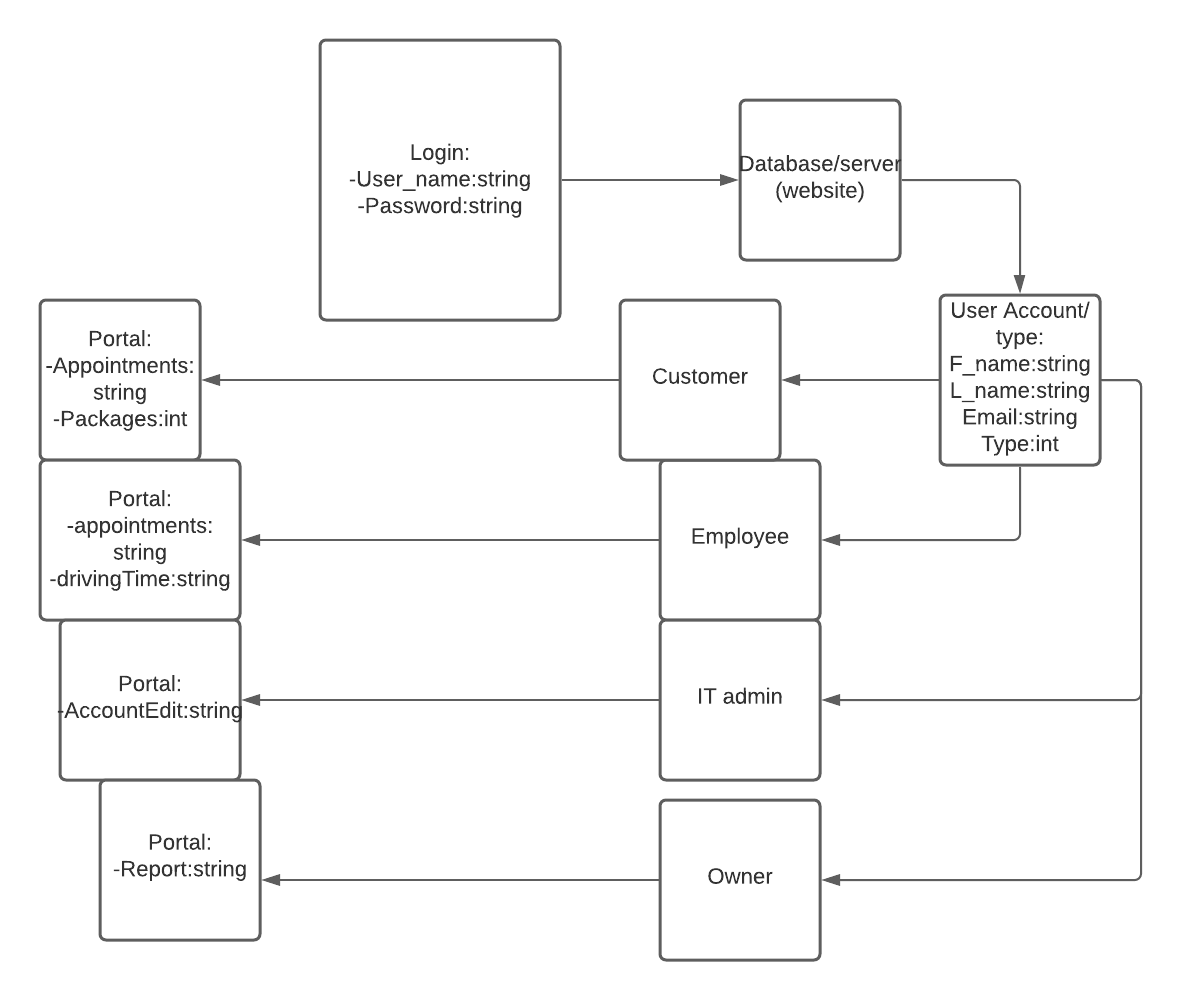
*Make/change/cancel appointments*

*If IT admin:*

*Create delete change accounts*

*If owner:*

*Reports*

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## 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.]*

*Requirements: To have a quick enough system so our users don’t experience interference or outages, will need to be able to handle traffic*

*Hardware:*

*32gb ram*

*I7 9700k / maybe I9 as this can help w multitasking, more threats and processes available*

*Integrated graphics (won’t need to render much)*

*Connected w cat6 or newer, supplied gigabit connection*

*Physical firewall(juniper)-recommended*

*Software:*

*Sophos intercept X(anti virus)*

*Group policy for networked users( will allow for better security on our server)*

*Windows server 2019 or newer Wamp – Windows apche mysql and php*

*Since we were not given a budget I figured we start smaller and expand horizontally / vertically as needed.*