

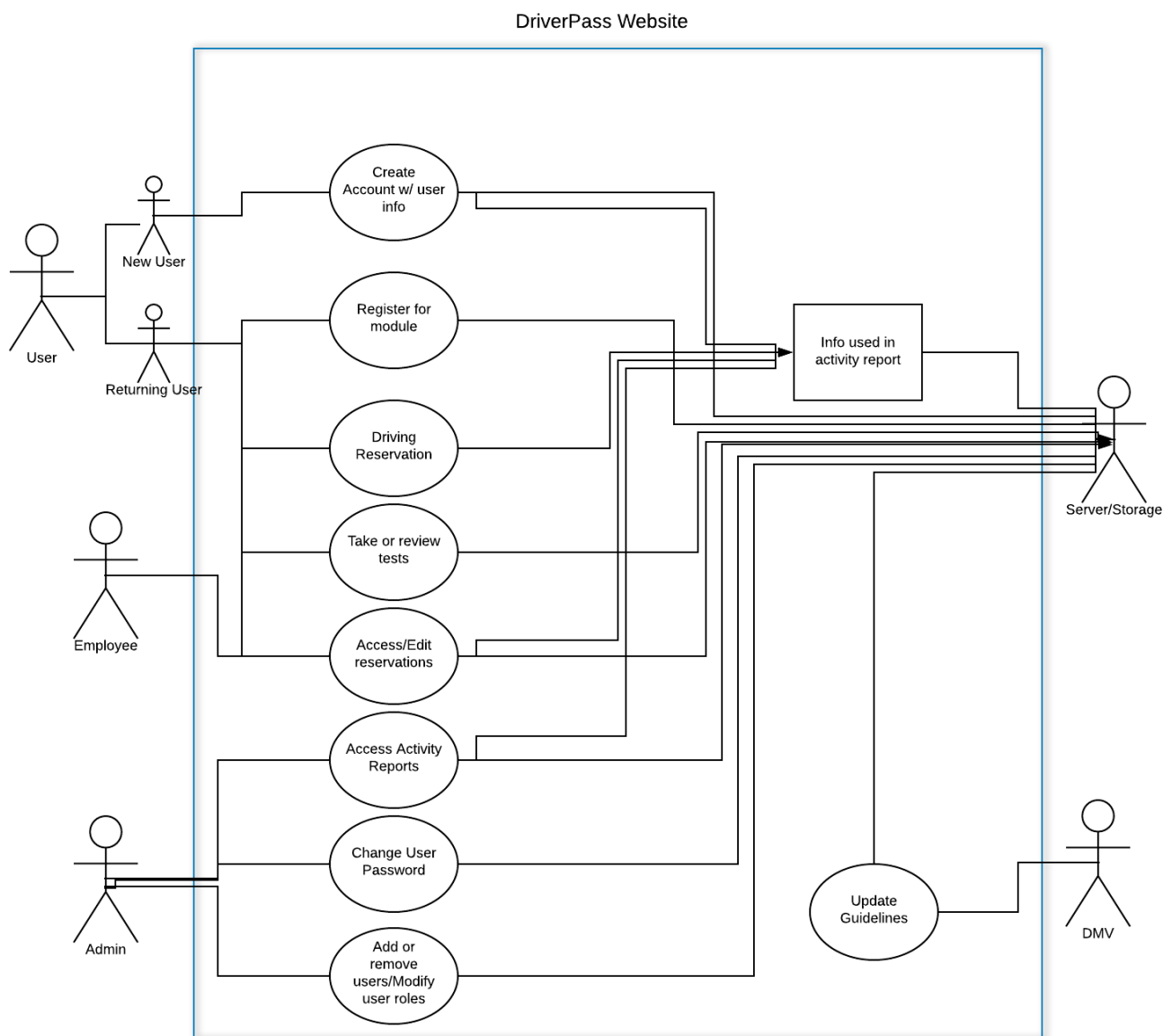
Southern New Hampshire University

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

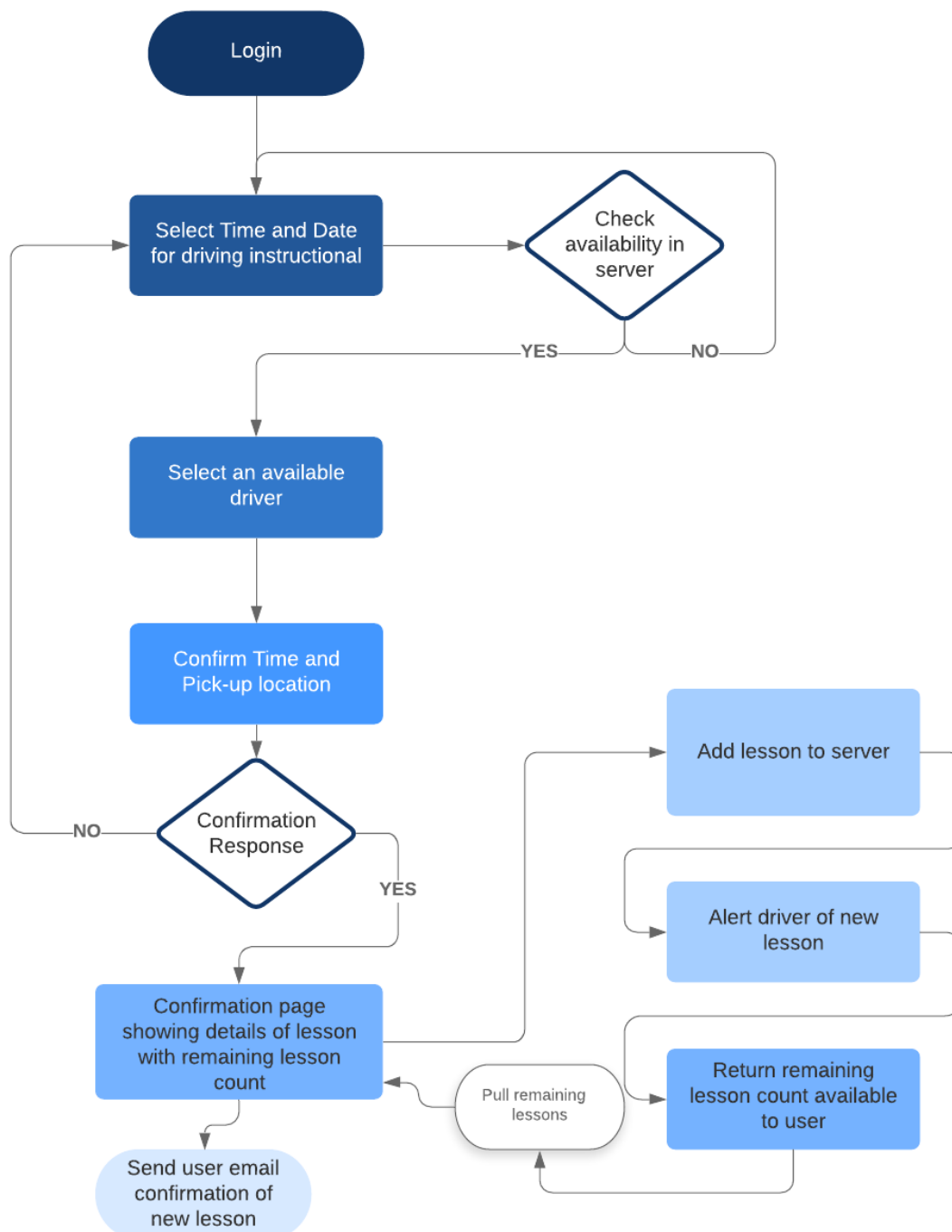
UML Use Case Diagram



UML Activity Diagrams

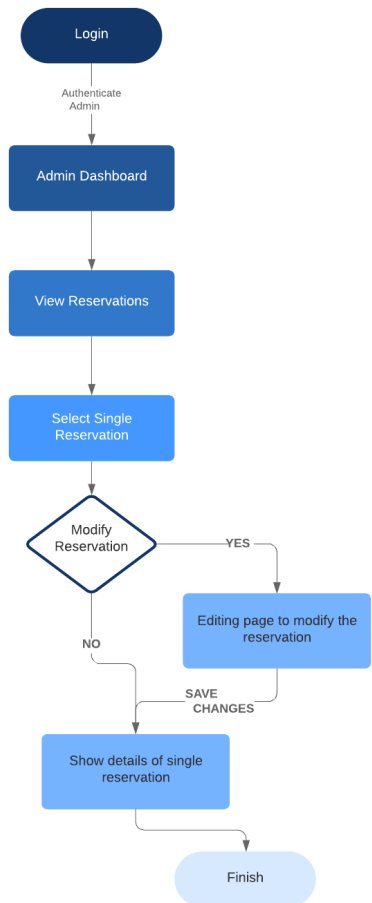
Reservation Activity Diagram

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Activity Report Activity Diagram

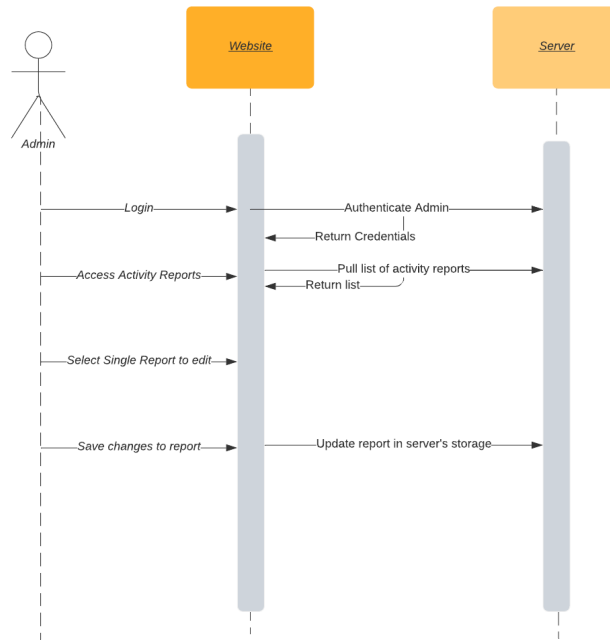
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UML Sequence Diagram

Activity Report Sequence Diagram

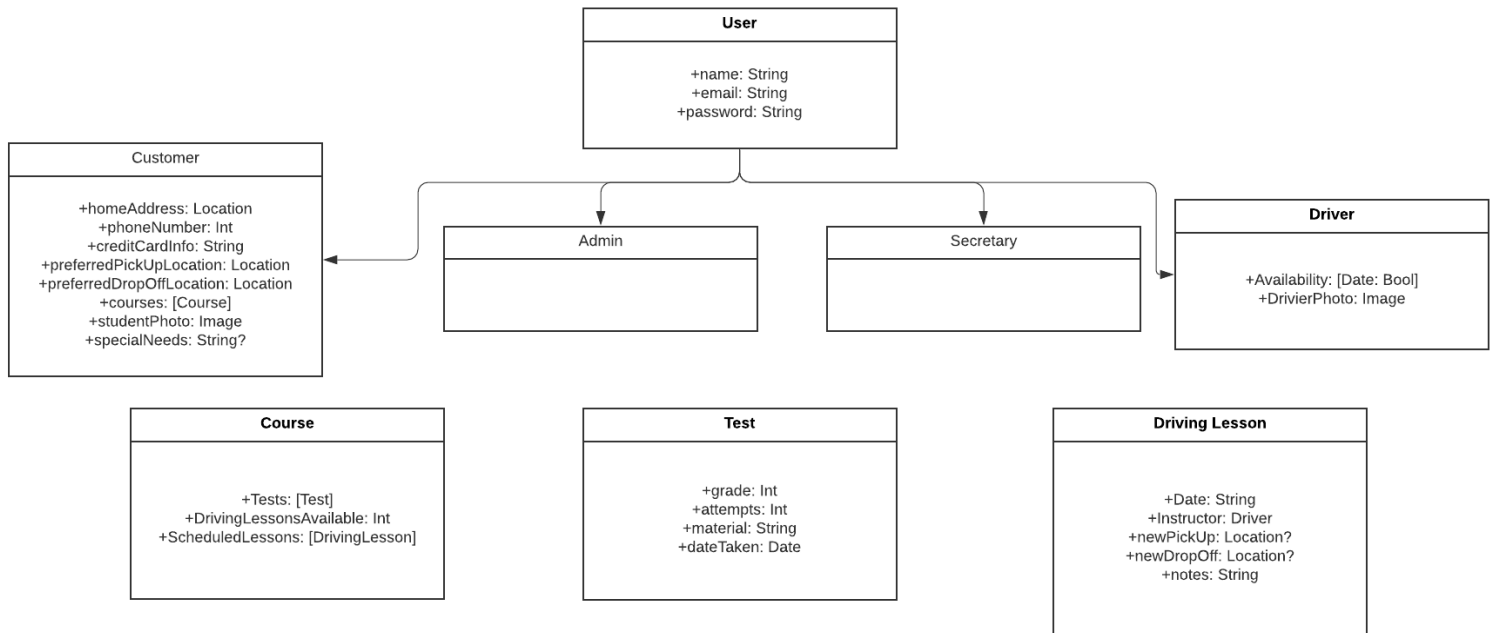
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UML Class Diagram

DriverPass Class Diagram

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Technical Requirements

We will be utilizing a server-less structure for this website. Due to simplicity of this project, we will utilize Google's Firebase platform to contain all information as well as hosting. Firebase has everything necessary such as the Authentication to determine how you would like the user's to sign up and sign in (mfa?), Firestore Database to hold all the user's data such as name, address, role (admin, client, employee), etc.. Firebase's Storage that can hold all of the images that the client won't display such as the customer's image as well as the driver's image. Firebase hosting to fully set up the website online. And any additional functions can be made in Firebase Functions, things like sending text message confirmations, email confirmations etc.

Before beginning the development, we will need a designer to produce a wireframe for the client to approve and then pass on to the developer to develop and add functionality to the design.

As stated in the interview, we will want a separate management portal to allow the admin and IT access to edit different things on the website such as certain modules offered to the customers.