

CS 255 System Design Document Template

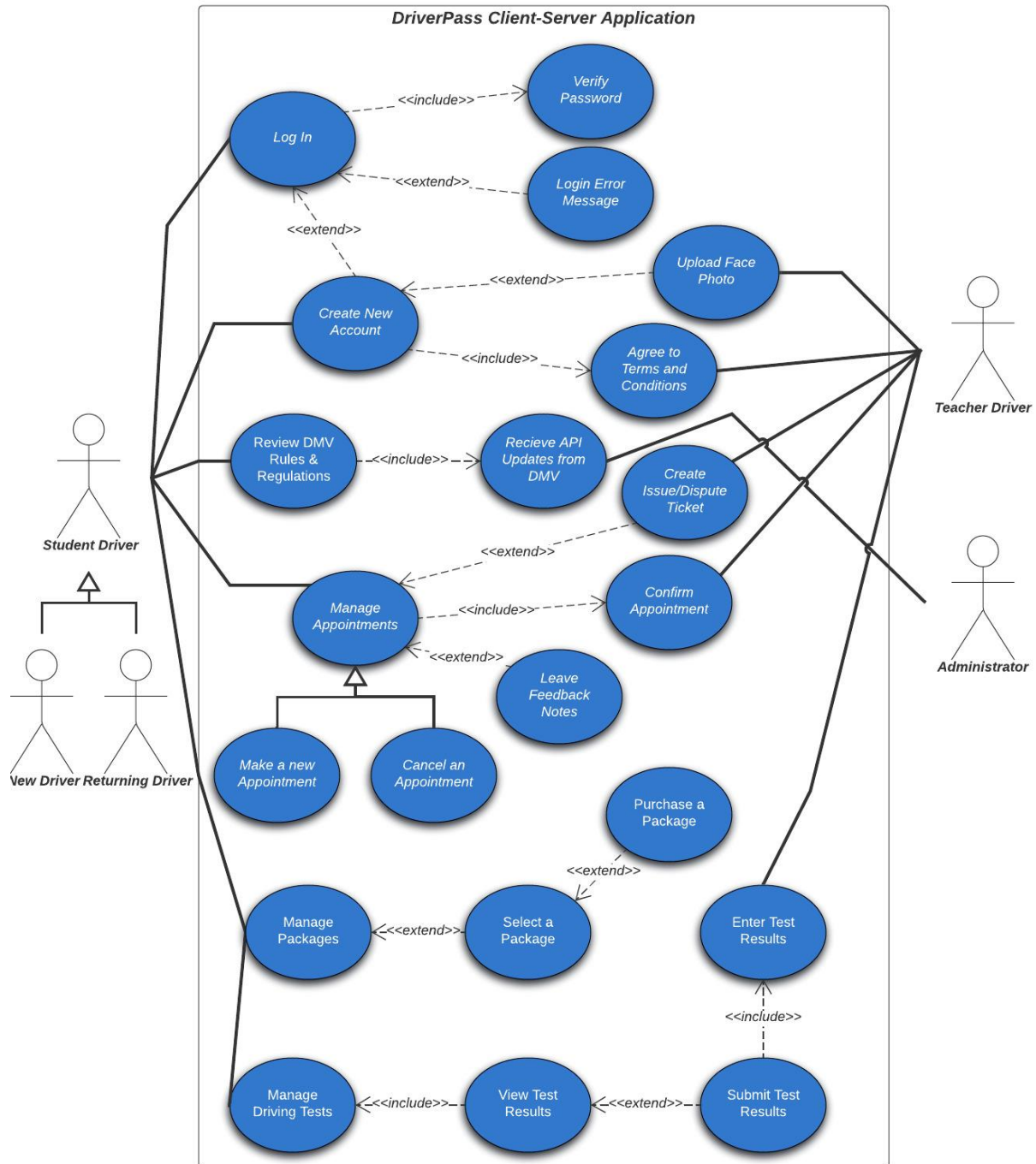
This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client's needs. There is no required length 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

DriverPass Use Case Diagram

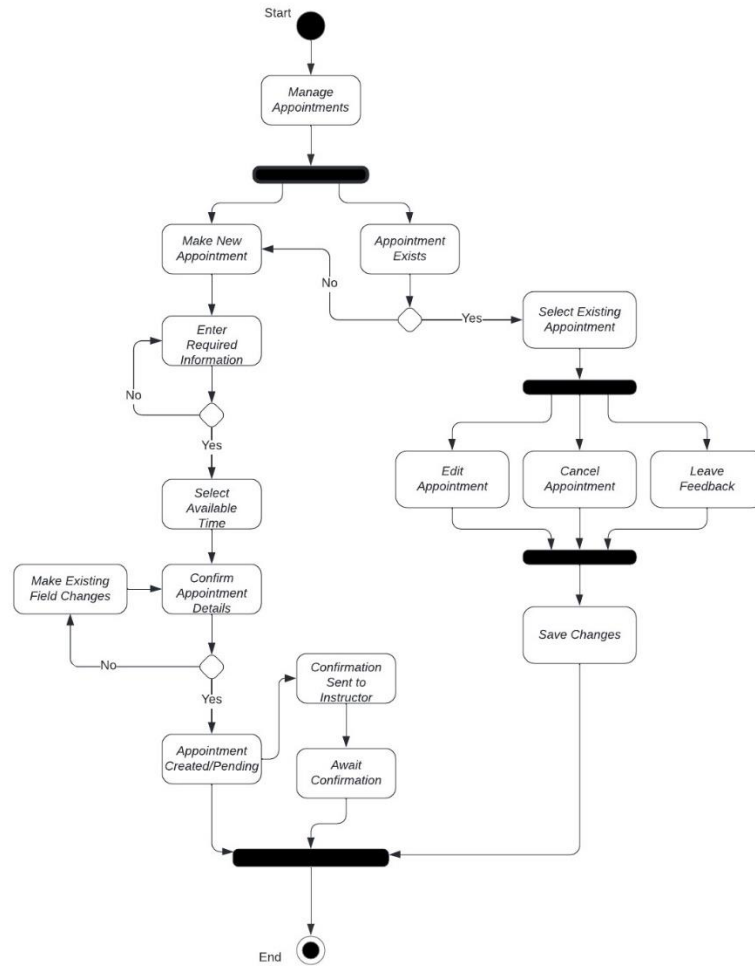
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UML Activity Diagrams

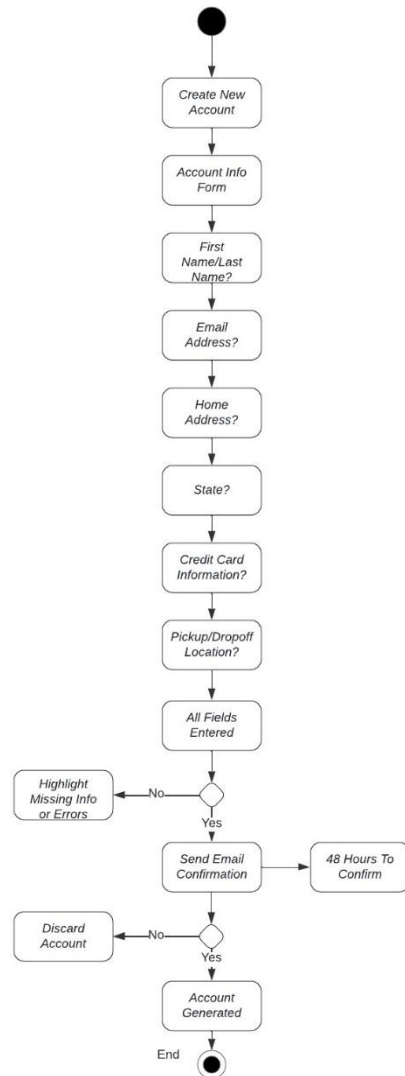
DriverPass Manage Appointments Activity Diagram

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DriverPass Account Creation Activity Diagram

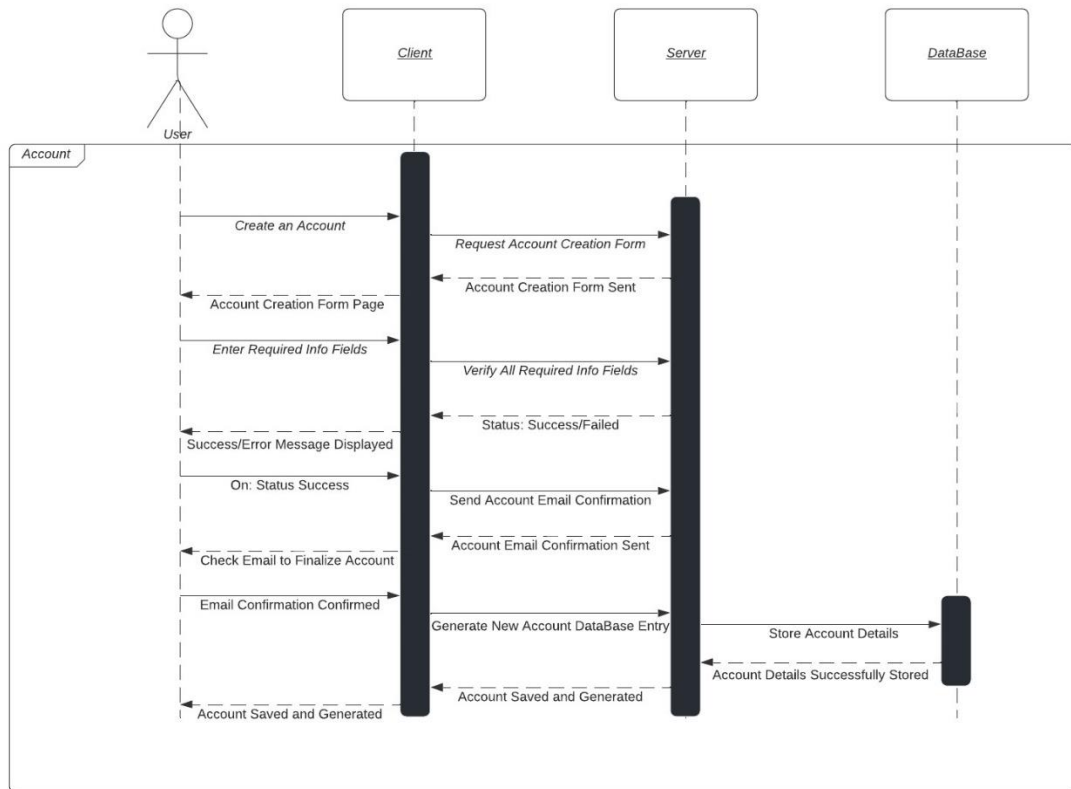
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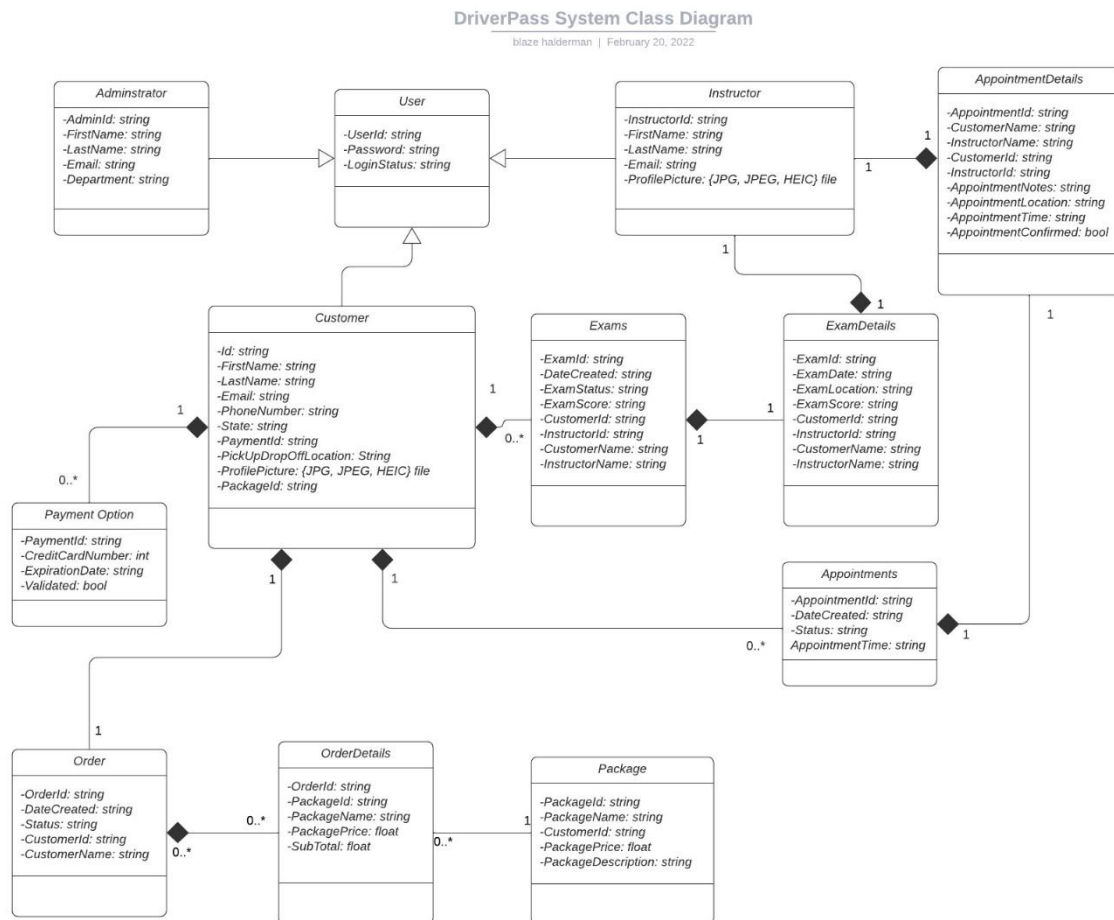
UML Sequence Diagram

Account Creation Sequence Diagram

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UML Class Diagram



Technical Requirements

Hardware:

- Client-Side system
- Server-Side system
- Internet Connection connected to ISP
- Mouse and Keyboard or Phone with navigation capabilities
- Intel/AMD processing unit above Intel i5/Ryzen 3
- Snapdragon/Android/A10 series processors and above
- Ability to download application software
- Hard Drive of minimum 10 GB
- RAM minimum of 2 GB
- Budget for operations and hardware

Software:

- Access to a web browser (preferably Chrome)

- *Access to an app store local to the device*
- *Running latest OS of current device (Windows, Mac Monterey, Android, IOS)*
- *Budget for software development*

Tools:

- *Software IDE's (Visual Studio Code, Atom, Visual Studio)*
- *Package Managers and relevant Packages*
- *Timeline Management Tools (LucidChart, Jira)*
- *Version Control (GitHub, Git, GitLab)*
- *Slack (Communication)*
- *Trello, Asana (Kanban/Agile project management)*
- *Cloud Service Hosting (Azure, AWS)*

Infrastructure:

- *Web-based client-server architecture*
- *Database for storing credentials and application related information*