Lauren Jaime
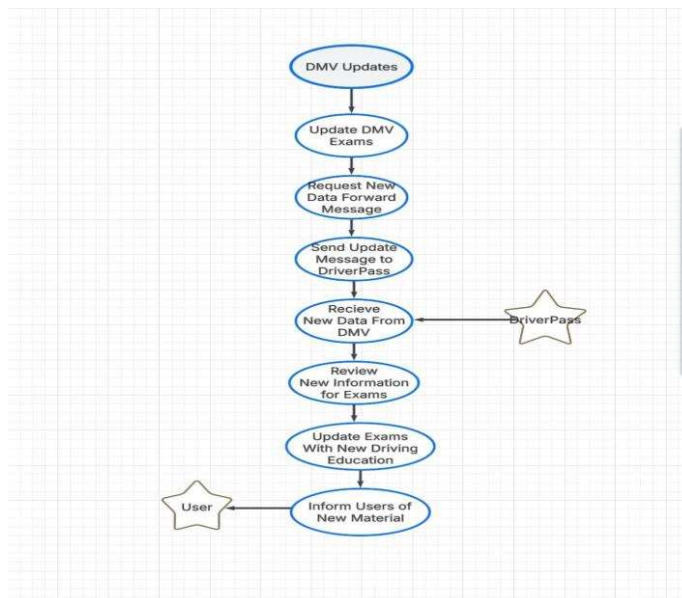
CS255 System Analysis and Design

02.23.2025
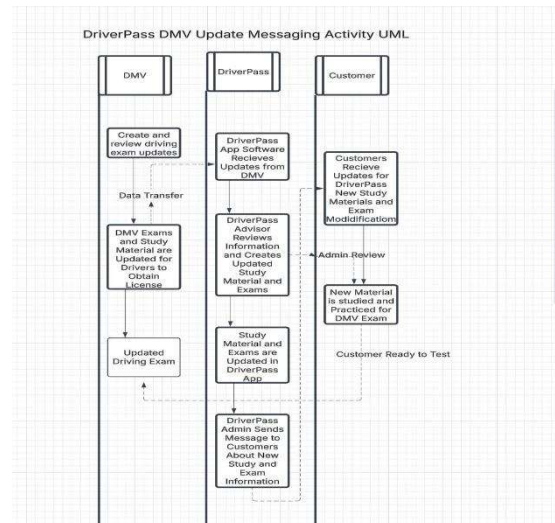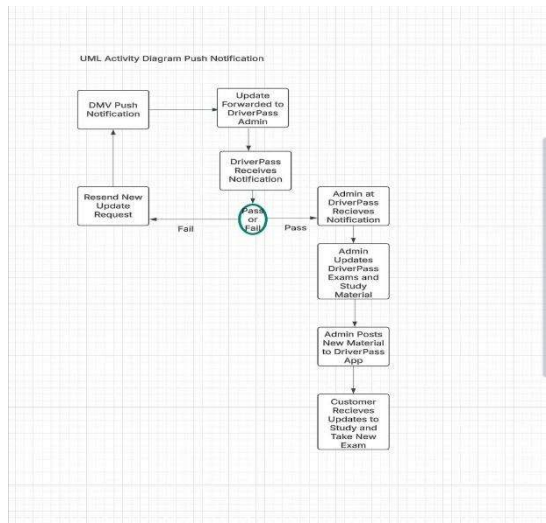
CS 255 System Design Document

UML Diagrams
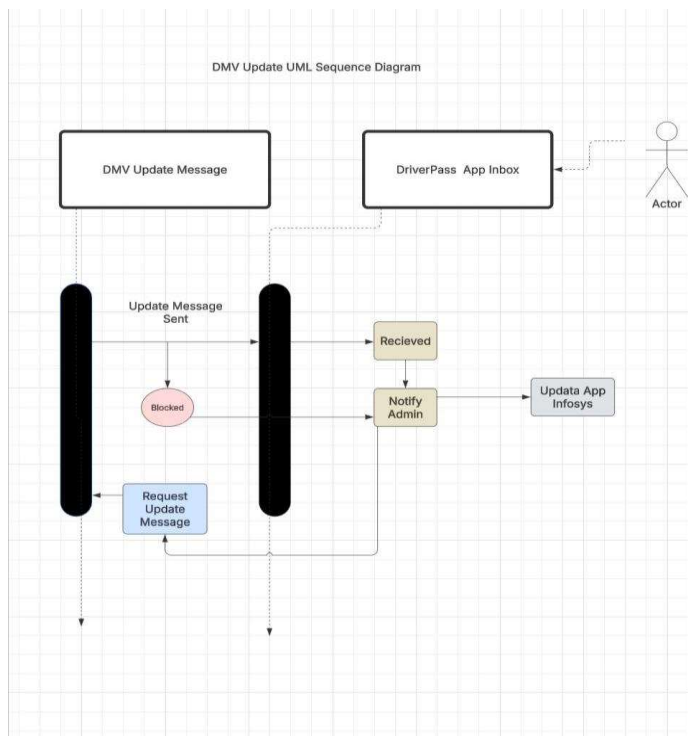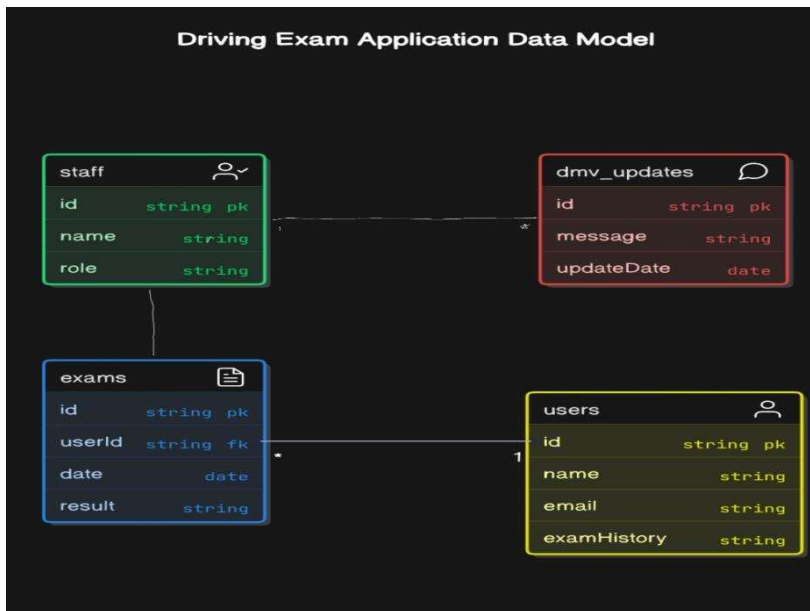
UML Use Case Diagram

UML Activity Diagrams

UML Sequence Diagram

UML Class Diagram

Driving Exam Application Data Model

Technical Requirements

DriverPass employed our dedicated team of software developers to create an application for new drivers to study and take exams through their advanced learning software. It was with gratitude and great appreciation that I employed our talented team toward delivering this much anticipated new software. The software installation will require 1.1 GB of storage space and may be downloaded on any technical device. Our team took special care to provide the application on android, apple, and Microsoft by developing the app on AWS and storing data files in the cloud. Users may communicate with Administrators of DriverPass, update contact information, study for exams, schedule appointments, and preview exam results. Additionally, DriverPass may use the software to update customer information, review and update contact information and appointment schedules. This new software receives updates from the DMV to Administration, so driving exams and study material are updated regularly. In the event an update message fails, DriverPass software will send adequate requests to the DMV messaging system to resend the appropriate updates. This is coded with Java into the application. DriverPass is complete with security patches and a firewall connection to prevent unauthorized access to DriverPass infrastructure.