

SNHU CS-255-H2973

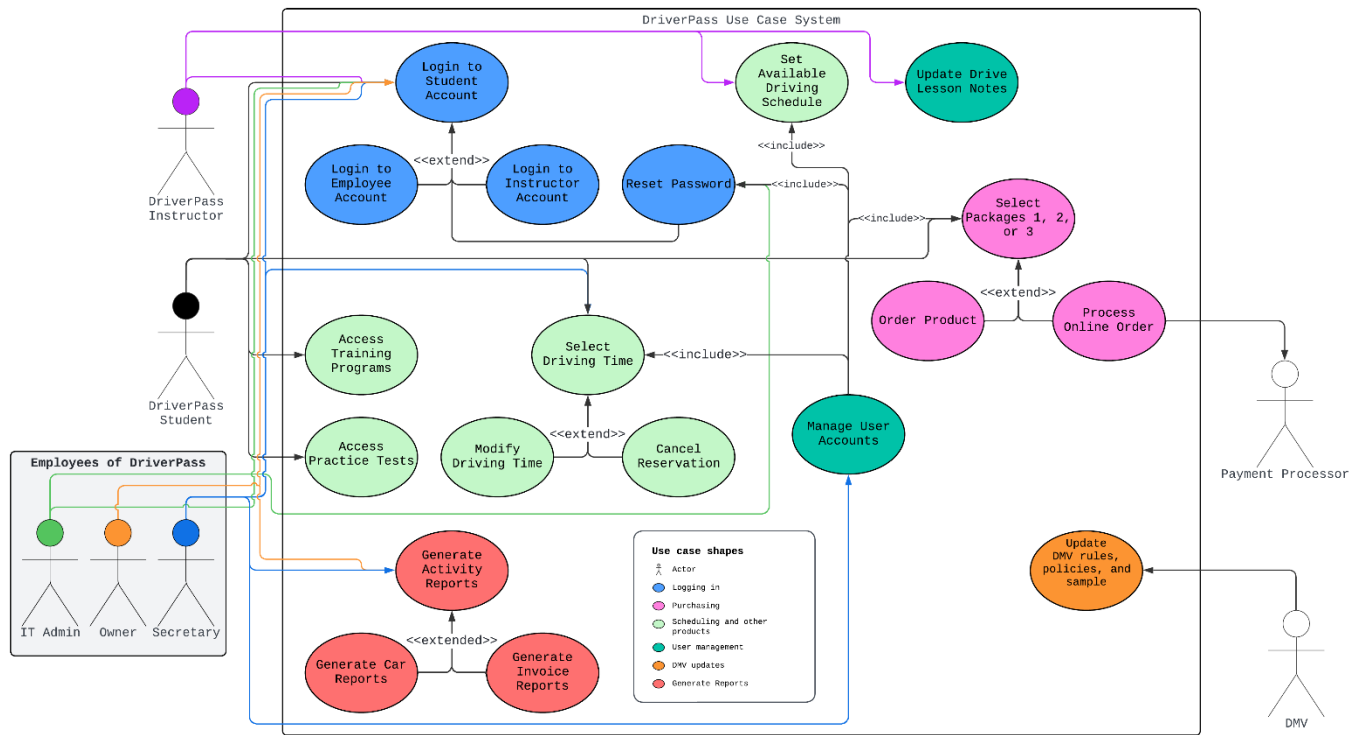
System Design Document

Project Two

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12-2-2023

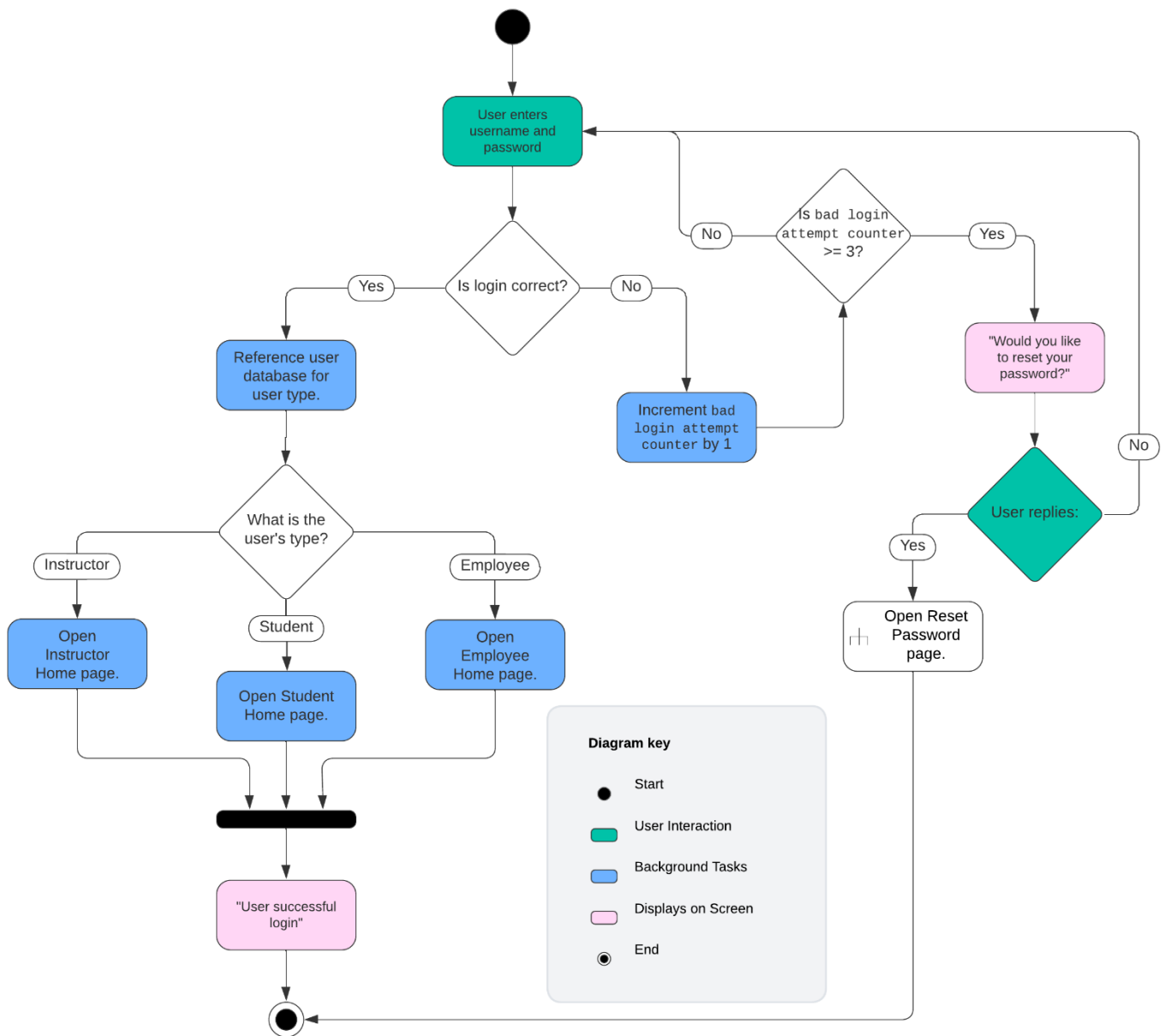
UML Diagrams

UML Use Case Diagram

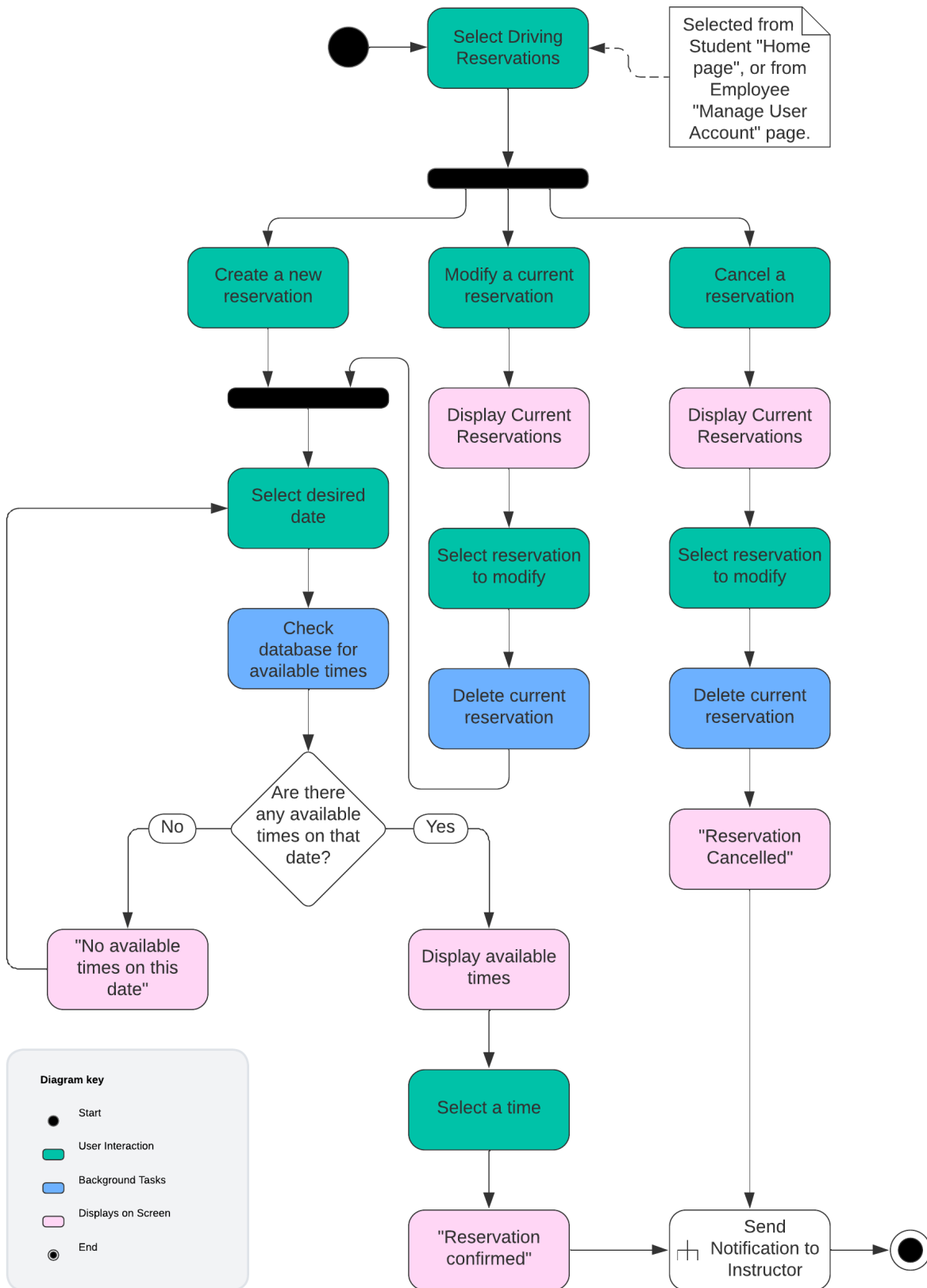


DriverPass Use Case System Diagram

UML Activity Diagrams

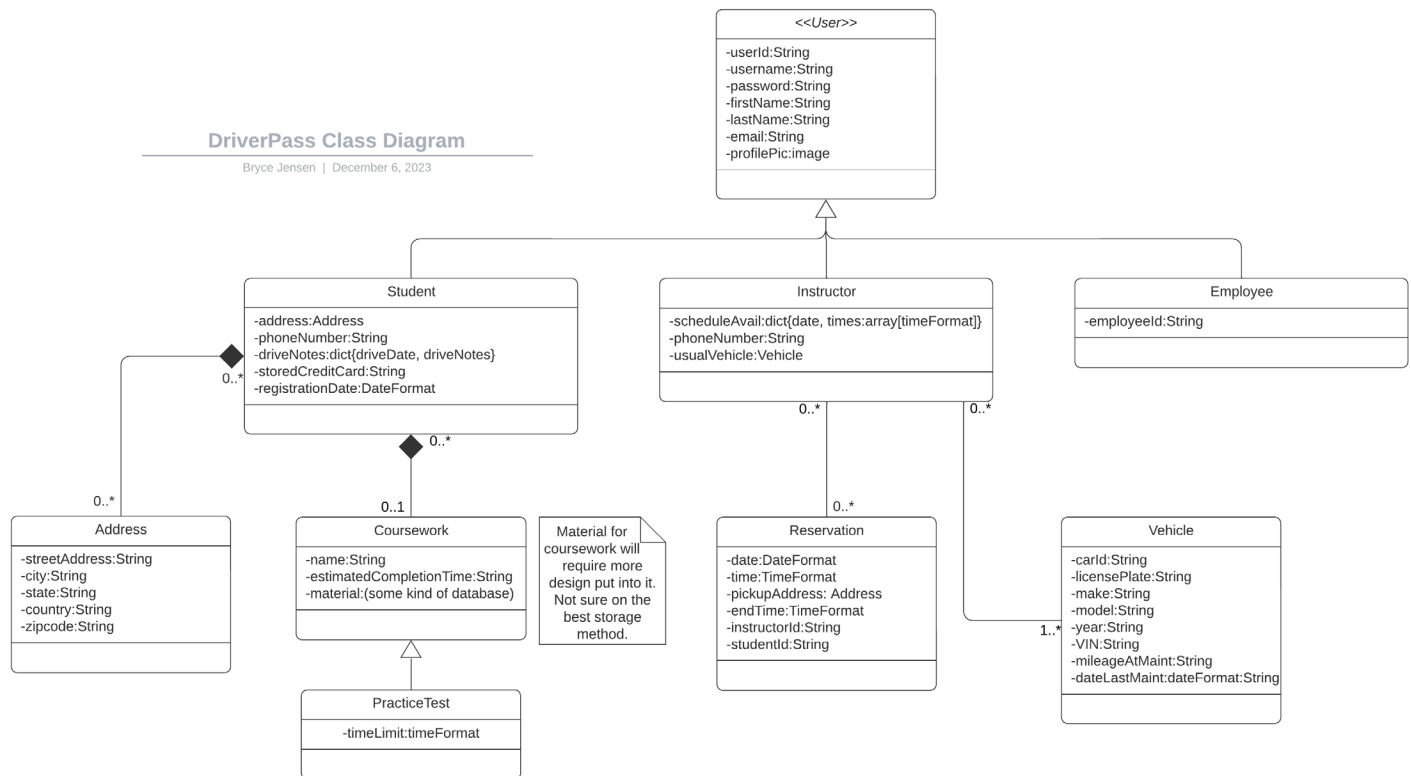


Login Use Case Activity Diagram



Reservation Use Case Activity Diagram

UML Class Diagram



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.]

- The DriverPass system will run as a SaaS (Software as a Service) program.
 - Users will access it from any major browser updated in the last 5 years.
 - At a minimum, it will be compatible with the latest versions of Chrome, Firefox, and Safari.
 - If not compatible with a browser, an error message should be displayed with an explanation.
 - It will run from the cloud. The DriverPass client will not need to host or maintain a server at their location.
- Security: addresses and payment information will be used.
 - All user data will be encrypted using AES-256.
 - Multi-factor authentication (MFA) will be an option for all users.

- Different user roles will have specific access permissions.
- The UI should follow the company's design guidelines. Smaller screen sizes will be accounted for.
- The system will perform daily backups, these will be stored for a minimum of 30 days for any troubleshooting needs.
- For payments, DriverPass will need to access a payment service. This will need to be shared with us so we can ensure compatibility.