

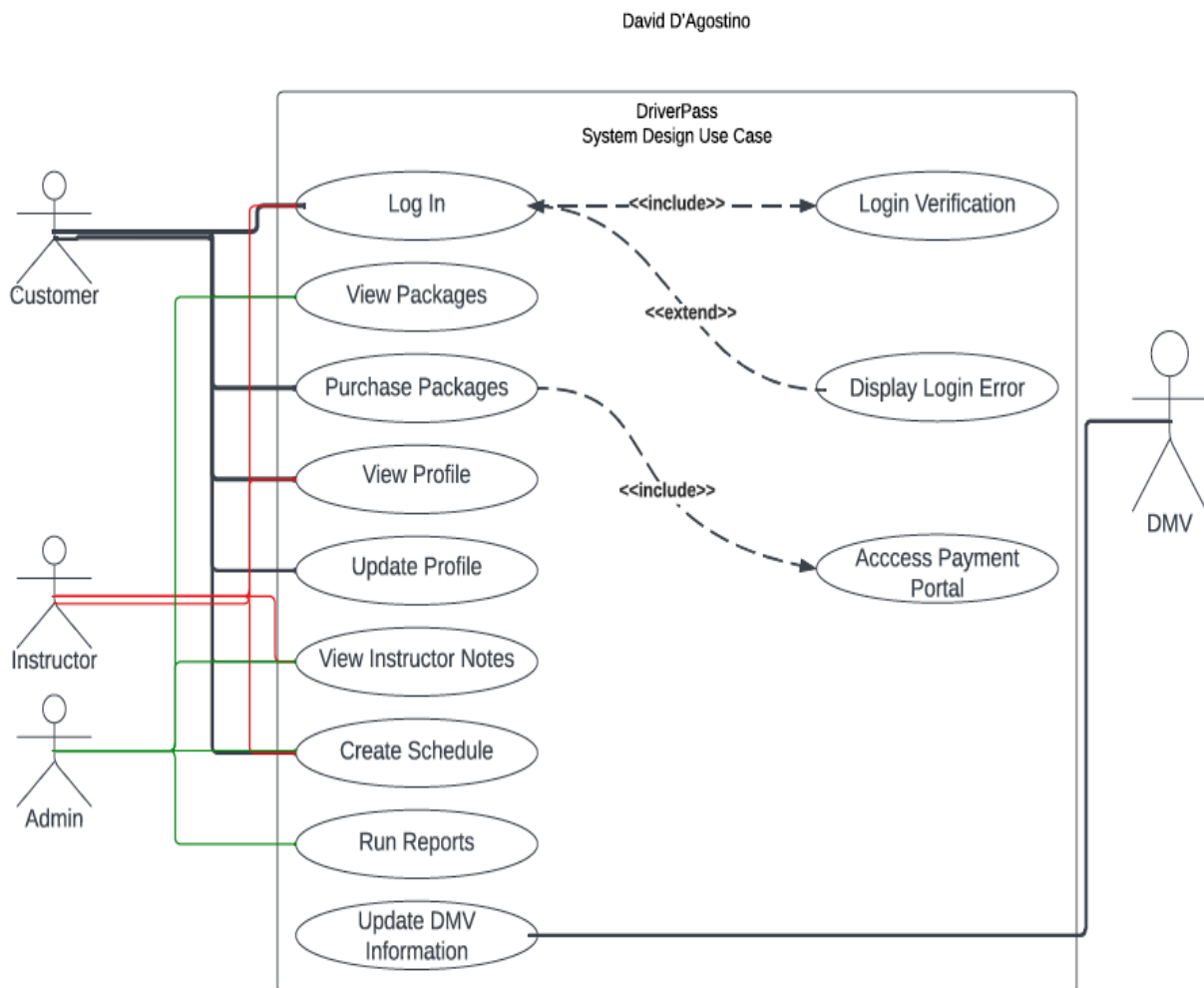
David D'Agostino

SNHU-CS255: Project Two

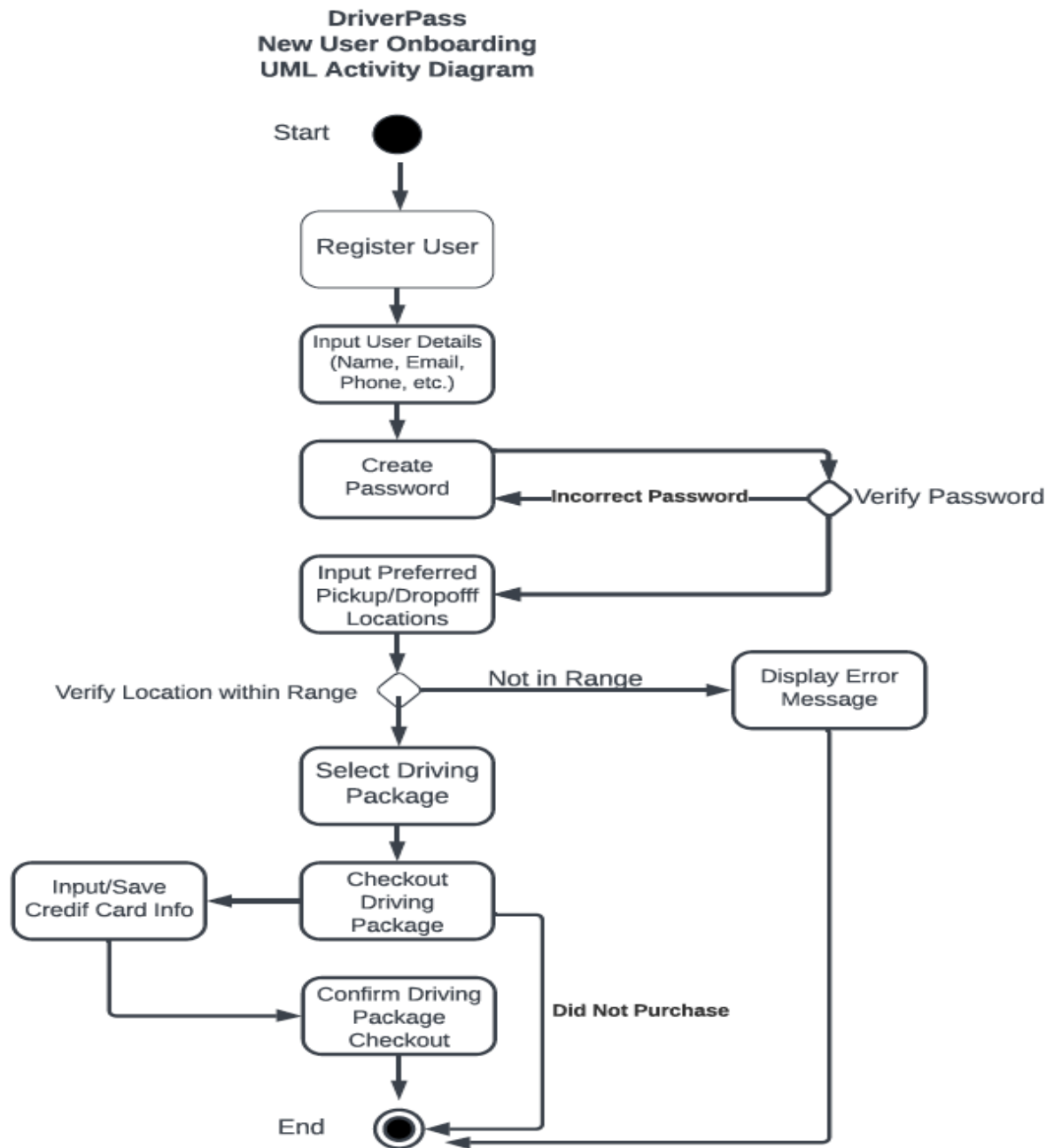
CS 255 System Design Document Template

UML Diagrams

UML Use Case Diagram

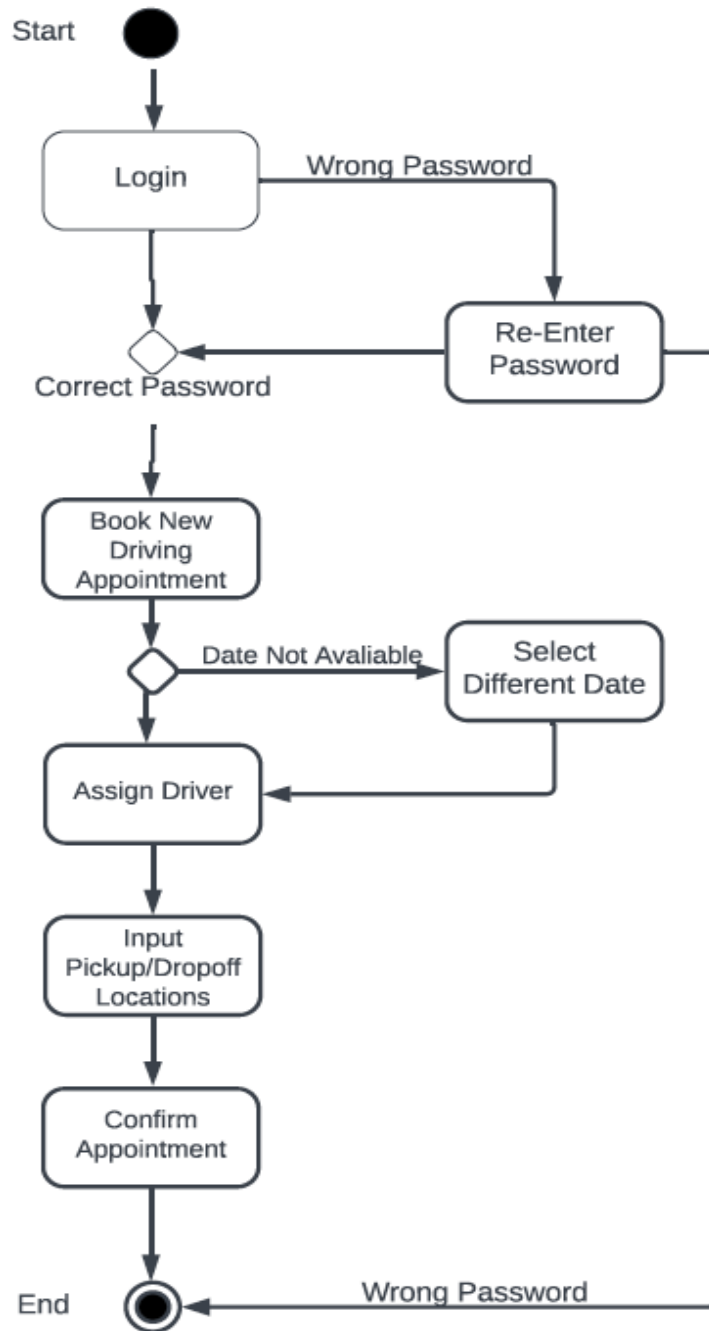


UML Activity Diagram #1



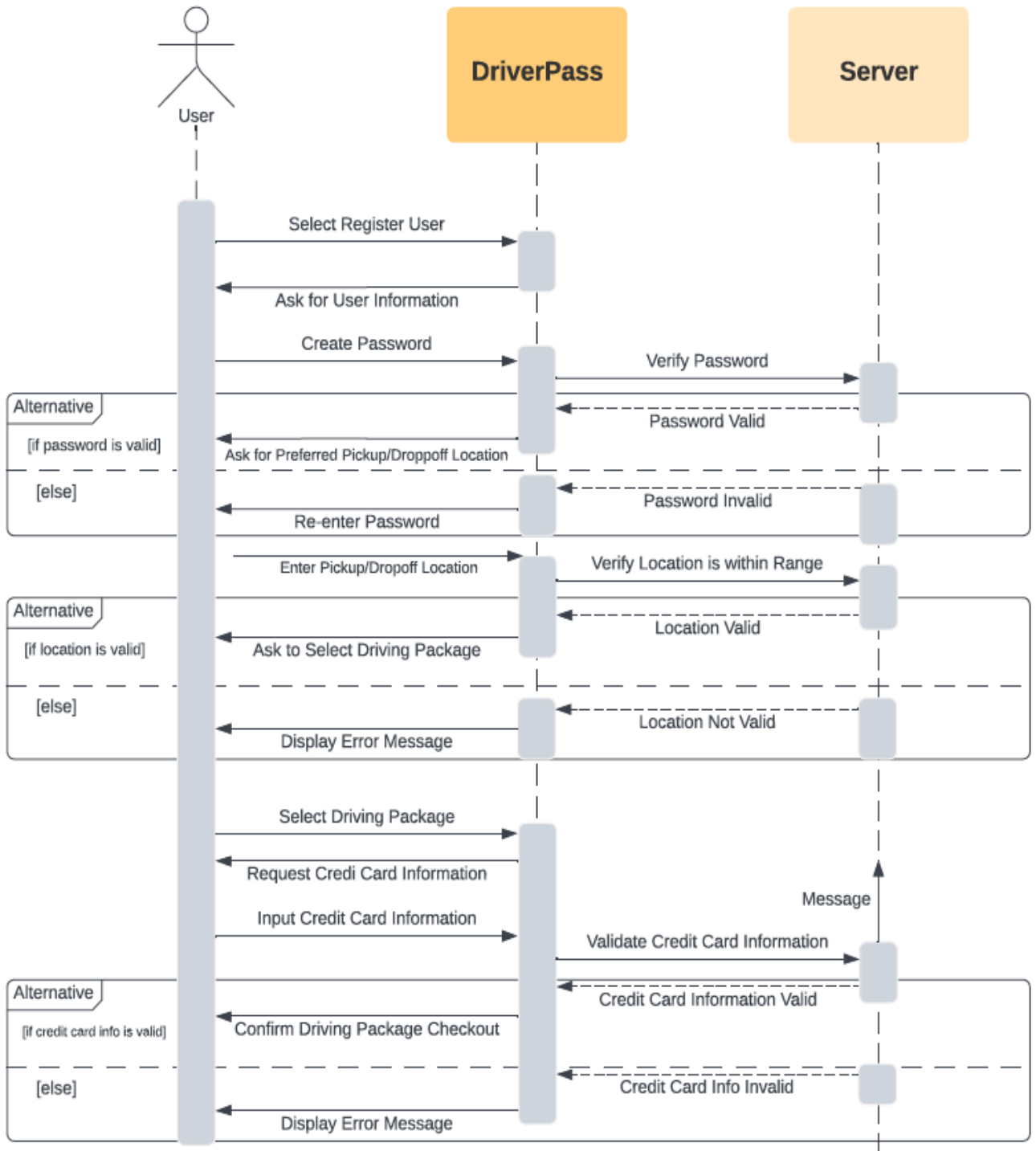
UML ACTIVITY DIAGRAM #2

DriverPass
Schedule New Driving Appointment
UML Activity Diagram

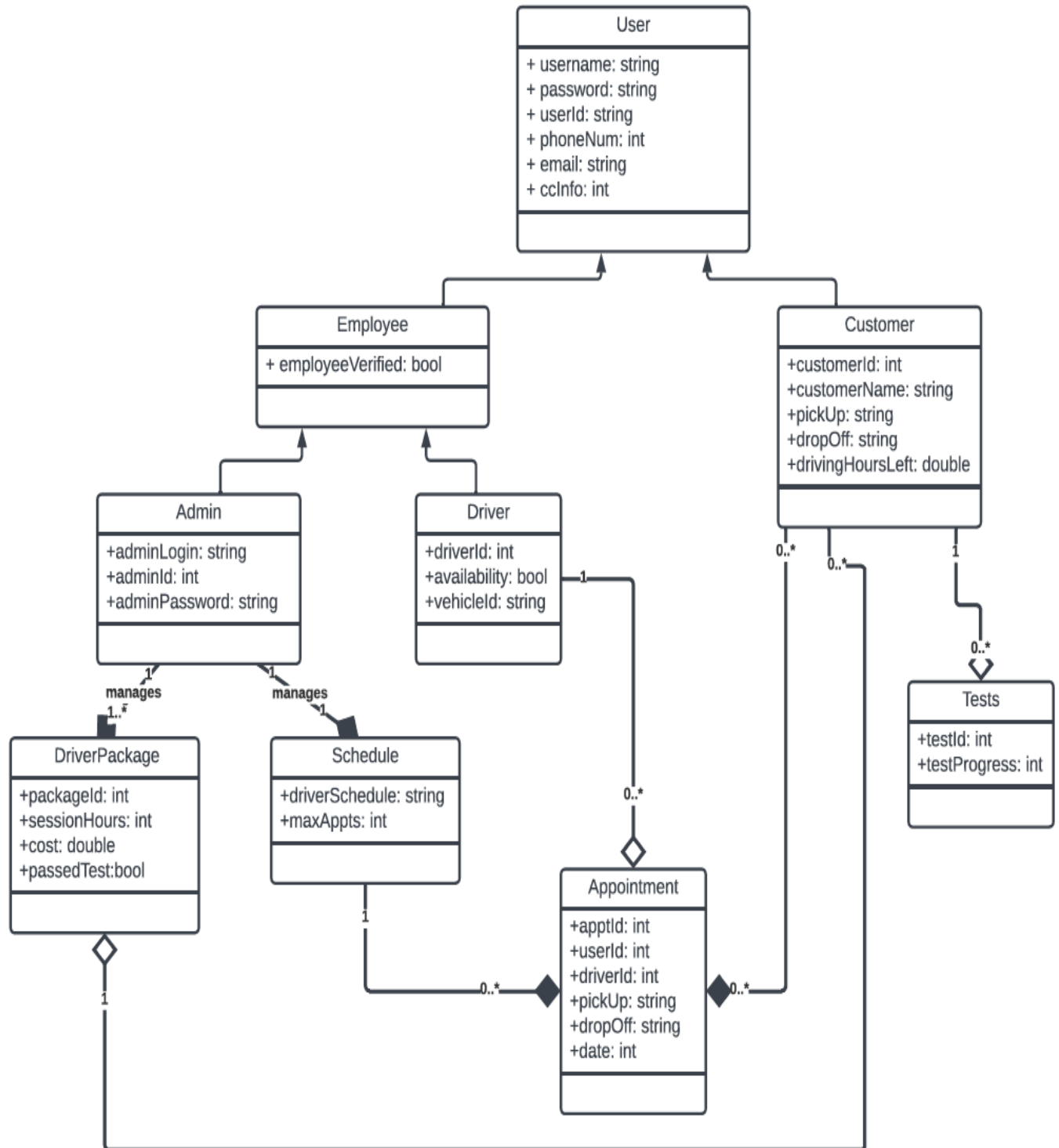


UML Sequence Diagram

DriverPass
New User Onboarding
UML Sequence Diagram



DriverPass
UML Class Diagram



Technical Requirements

Hardware Requirements:

- A server to host the registration UI, location check, driving package UI, and package confirmation objects.
- Client devices for users to access the registration UI and driving package UI objects. These can be desktop or laptop computers, tablets, or smartphones.

Software Requirements:

- A web development framework to build the server-side application for the registration UI, location check, driving package UI, password verification, and credit card verification.
- A database management system to store user information and driving package data.
- A front-end development framework, such as React or Angular, to build the client-side interface for the registration UI and driving package UI objects.
- A payment gateway integration, such as Stripe or PayPal, to securely process user credit card payments.

Tools and Infrastructure Requirements:

- A version control system to manage code changes and collaboration among developers.
- A continuous integration and deployment (CI/CD) tool to automate the build and deployment of the system.
- A cloud hosting service to host the application, database, and other necessary infrastructure.

Overall, the system would require a robust and scalable architecture with a solid front-end and back-end development framework, a reliable database management system, and integration with a secure payment gateway. Additionally, the use of a version control system, CI/CD tool, and cloud hosting service would provide flexibility, automation, and scalability to the system.