

Project Two — System Design Document

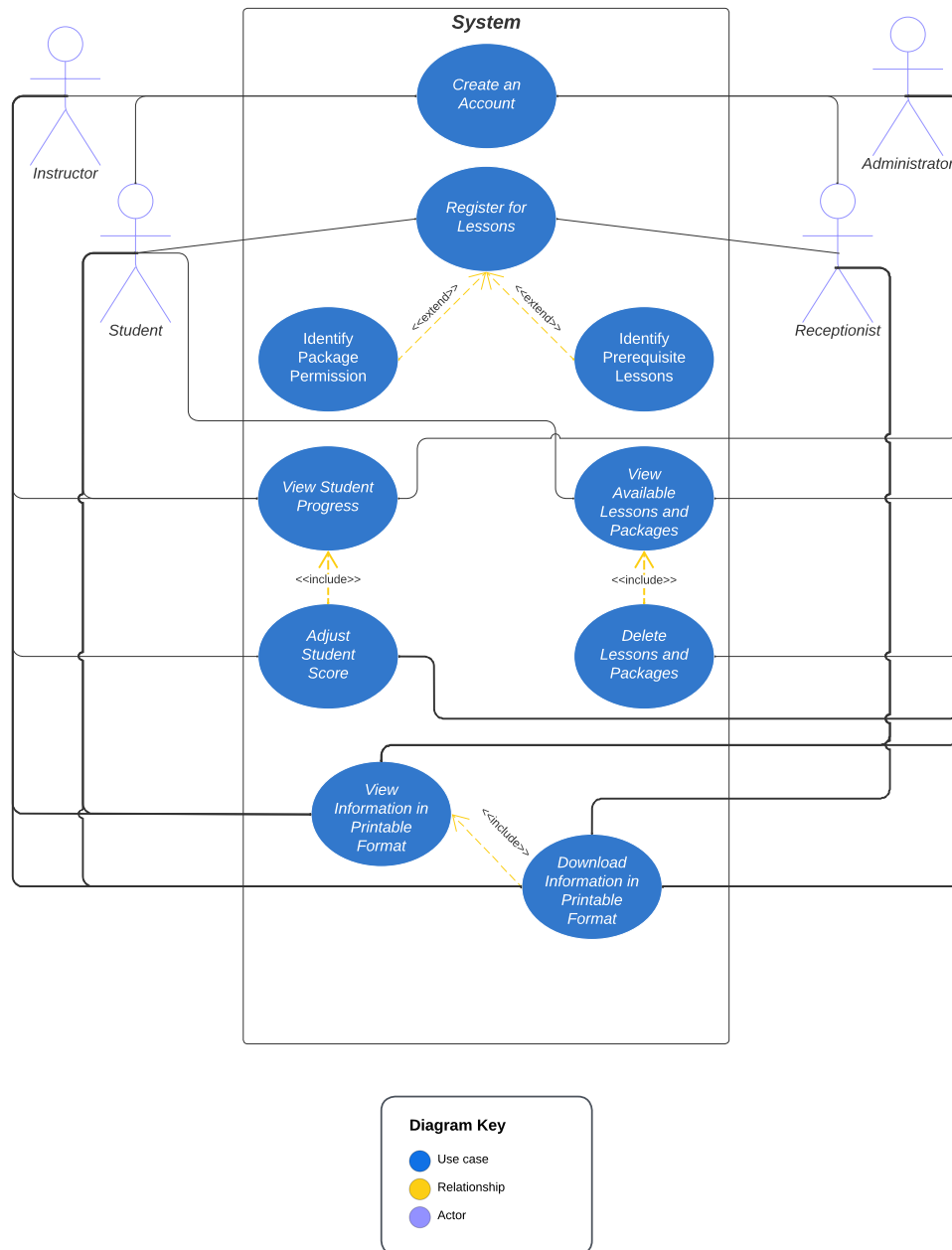
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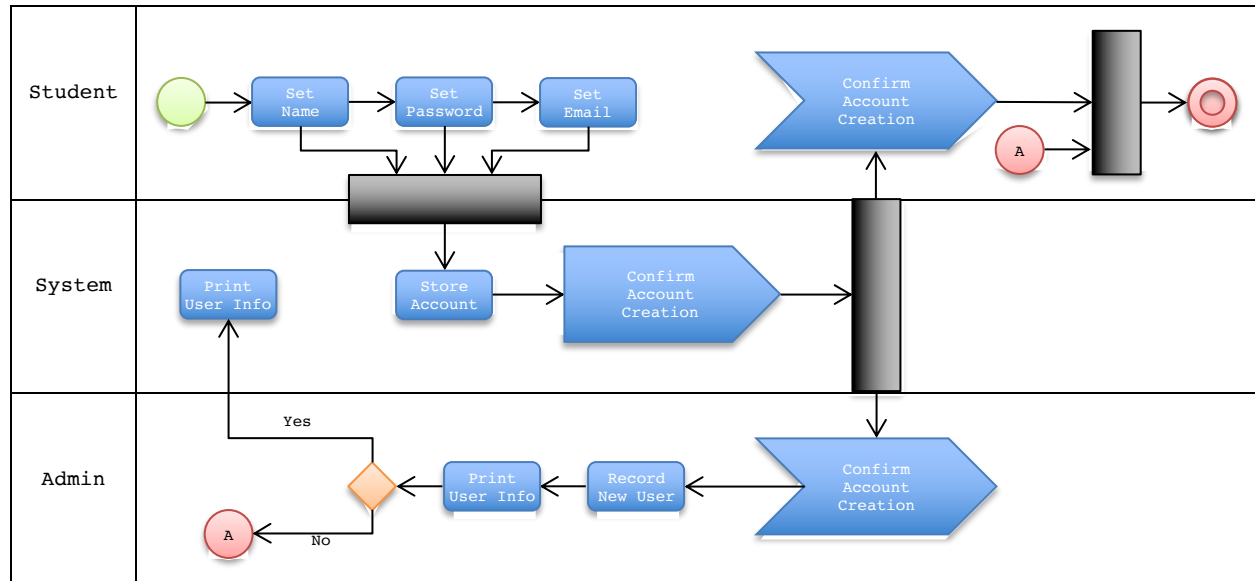
Project Two — Design Document

DriverPass Use Case Diagram

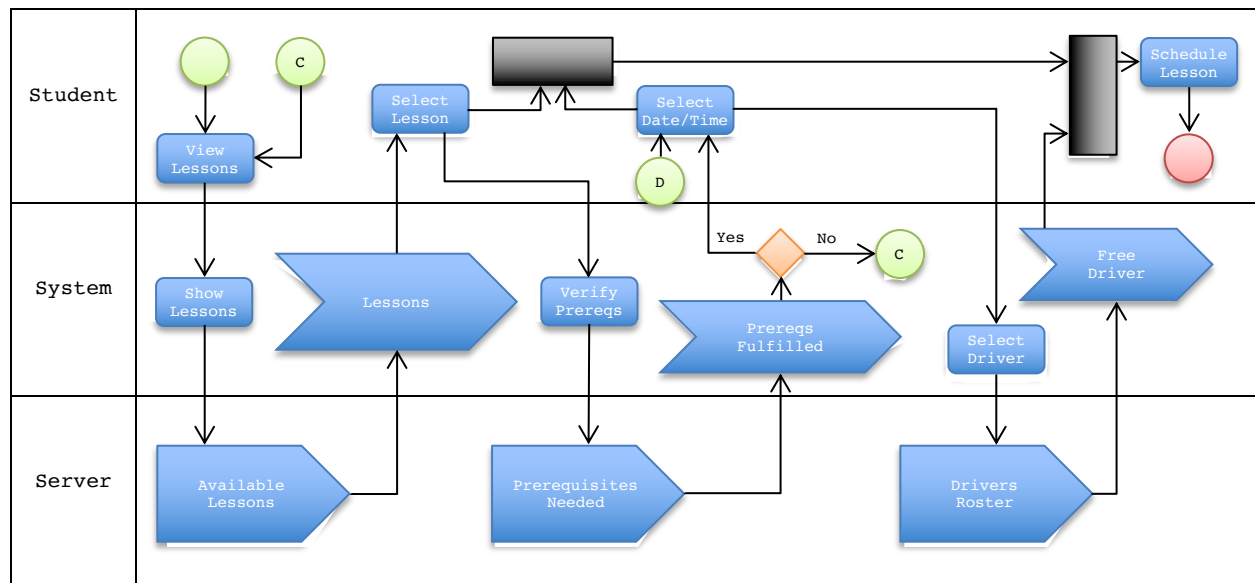
Ryan Rieth | October 5, 2022



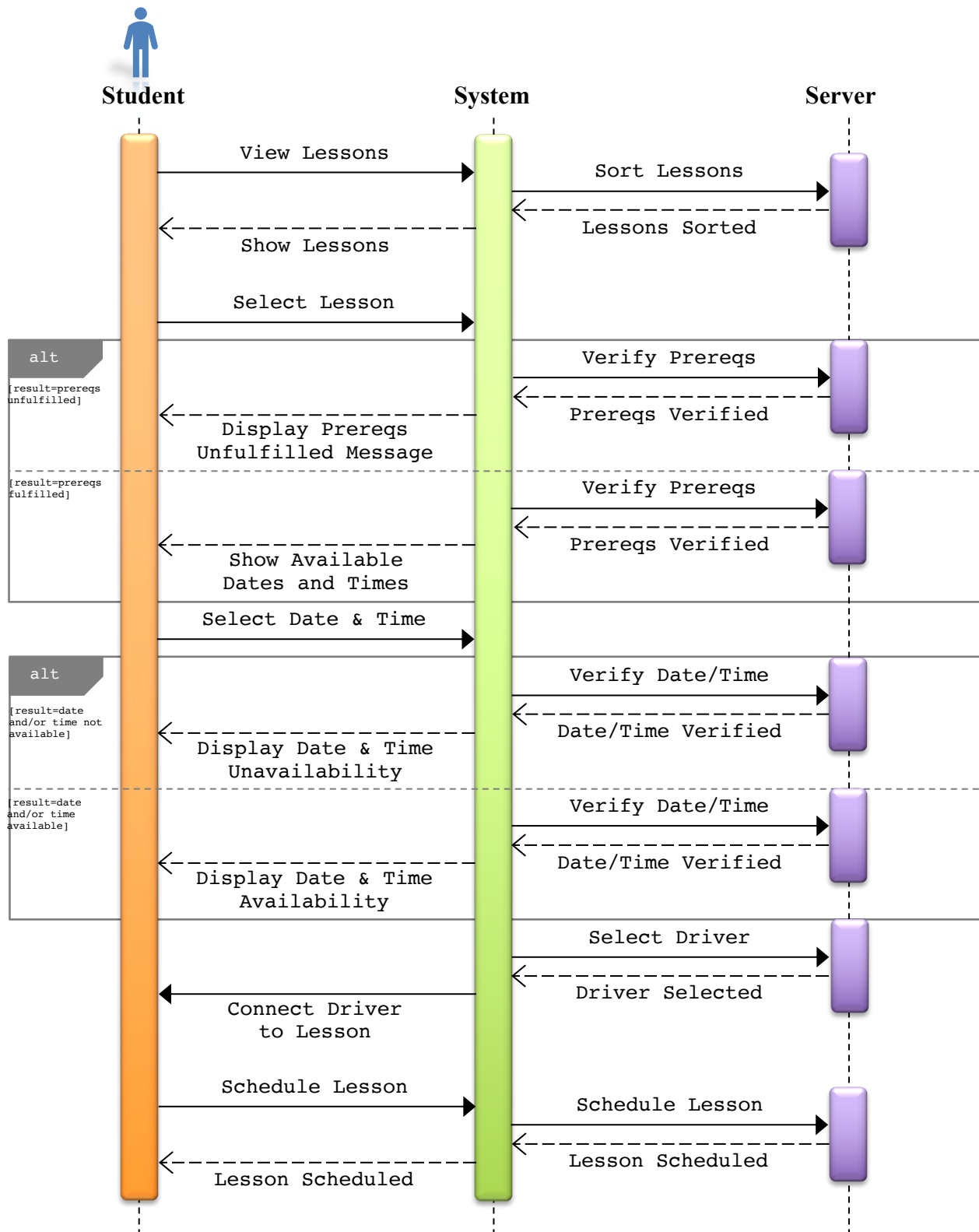
UML Activity Diagram — Creating an Account



UML Activity Diagram — Registering for a Lesson



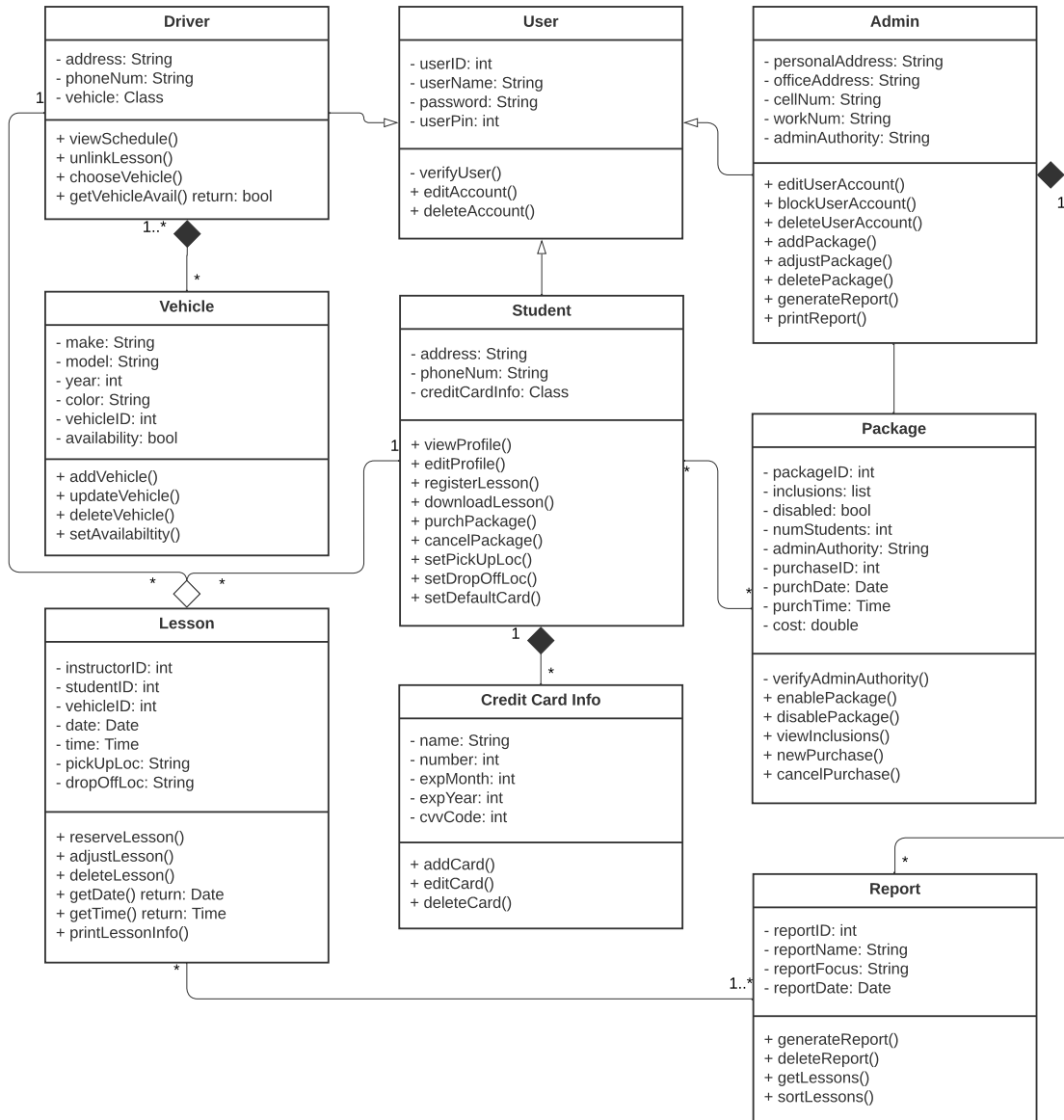
UML Sequence Diagram — Registering for a Lesson



Project Two — Design Document

UML Class Diagram for DriverPass

Ryan Rieth | October 15, 2022



Technical Requirements

Below is a list of hardware and software requirements as well as desired tools and infrastructure needs to adequately and properly design the *DriverPass* system. The focus is toward the host/developer's end — similar minor details carry over on the client's side such as a computer device and internet access and, decidedly, are unnecessary to mention twice. Please note: this is a rough list and can change as development on the system evolves.

Hardware:

At least three computers — desktop or laptop — with necessary peripherals for owner, IT manager, and receptionist.

WiFi router network (mesh preferred).

Ethernet wiring for WiFi failsafe.

Two in-house server systems: one primary, one secondary/backup.

Software:

Operating System such as OSX or Windows.

Internet web browser such as Firefox, Chrome, Safari, Opera, etc.

Server operating system.

DriverPass.

Malware monitoring software such as McAfee.

Tools:

Programming IDEs such as Eclipse, Visual Studio, BluJ, Developer, etc.

CASE tools such as Lucidchart for diagram development.

Infrastructure:

Business property.

Internet provider.

Server provider.

10 vehicles for student and driver lessons, each with insurance.

Cloud service provider.

Employee parking.