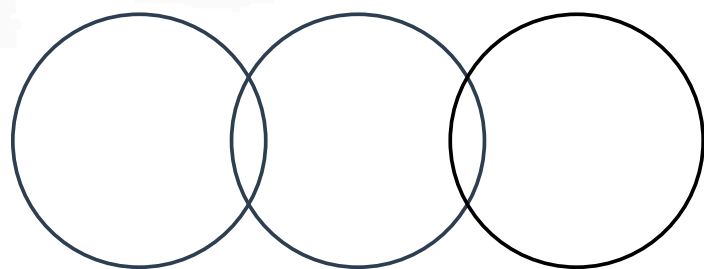


DRIVEMASTER



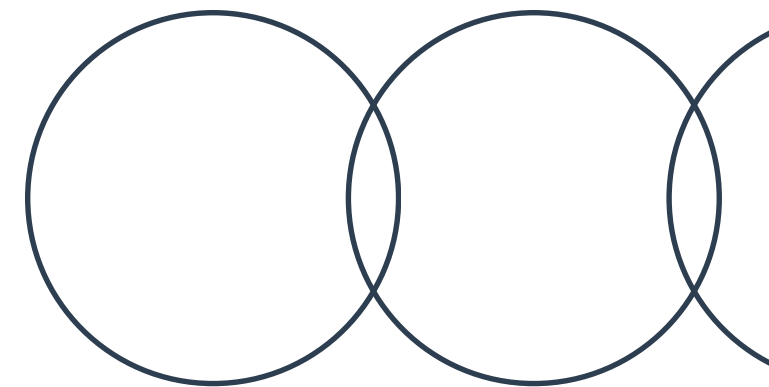
DANIEL MATEO MONTOYA GONZÁLEZ	-	20202020098
DAVID GERARDO DIAZ GOMEZ	-	20201020087
CRISTIAN ARTURO PARRA GONZALEZ	-	20201578102



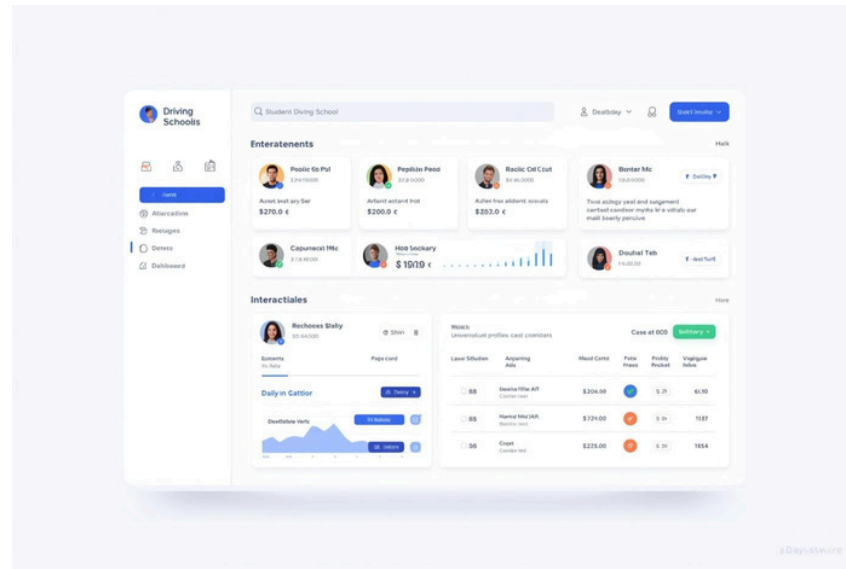
Introduction to DriveMaster

Innovation in driving education

DriveMaster is a technology solution designed to facilitate driving learning, enhance the educational experience, and efficiently manage driving school operations.

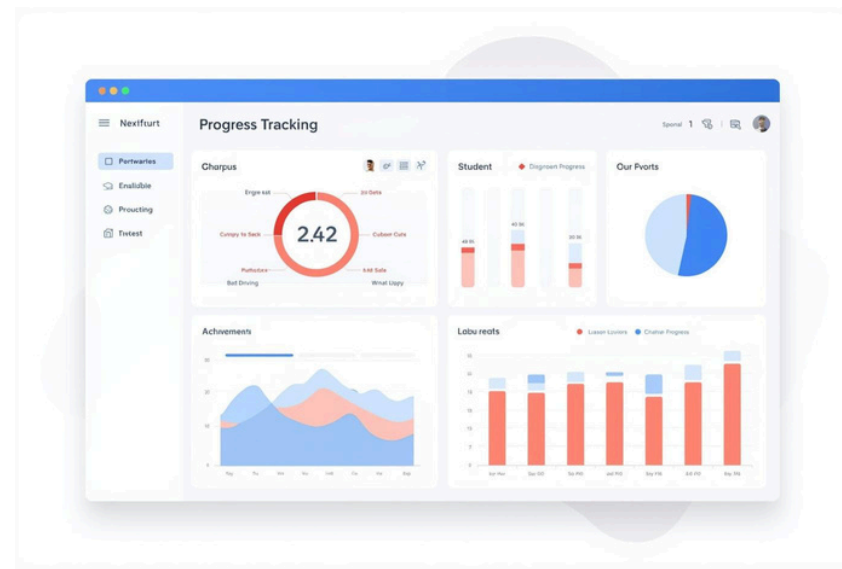


DriveMaster Features



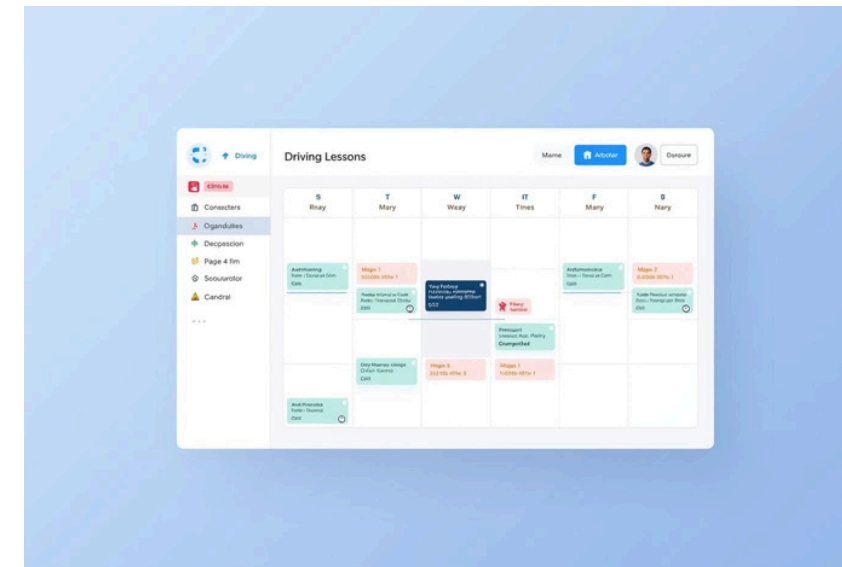
Student management

Facilitates efficient and organized student tracking.



Lesson planning

Allows for practical organization of lessons and schedules.



Progress tracking

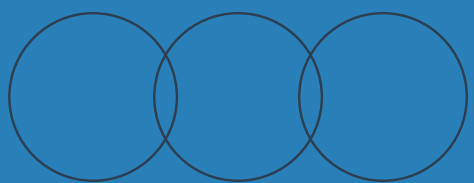
Provides detailed reports on each student's performance.



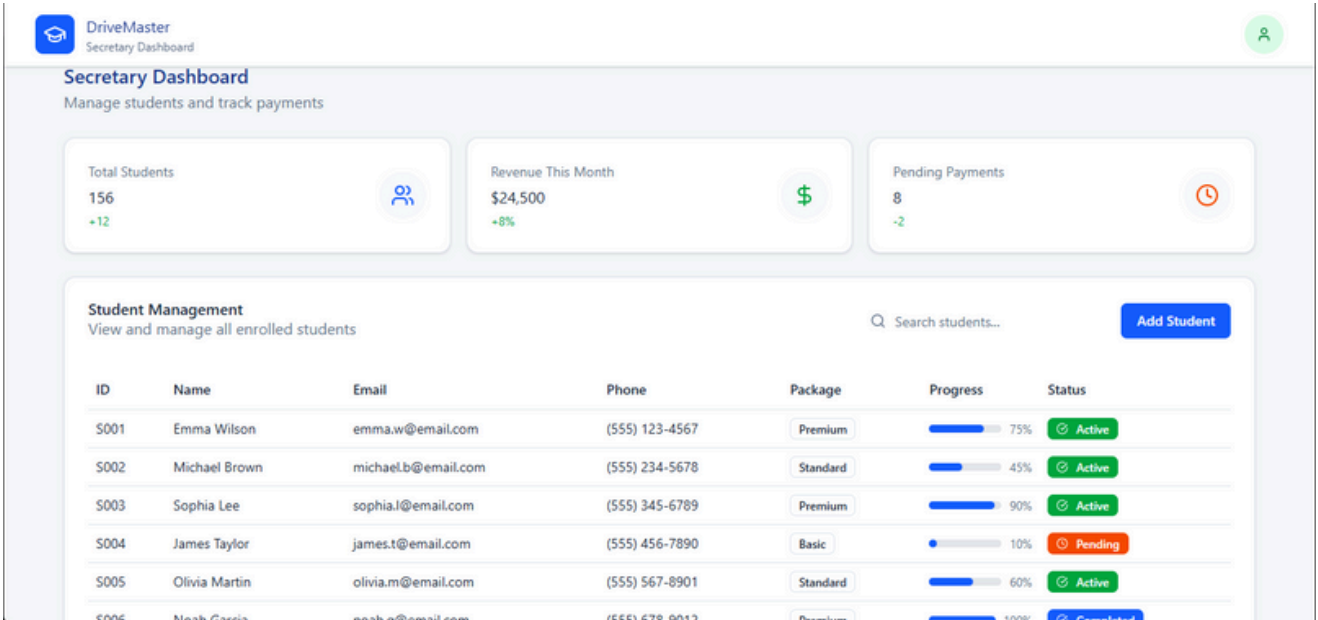
Simulators and resources

It offers interactive tools for dynamic and effective learning.

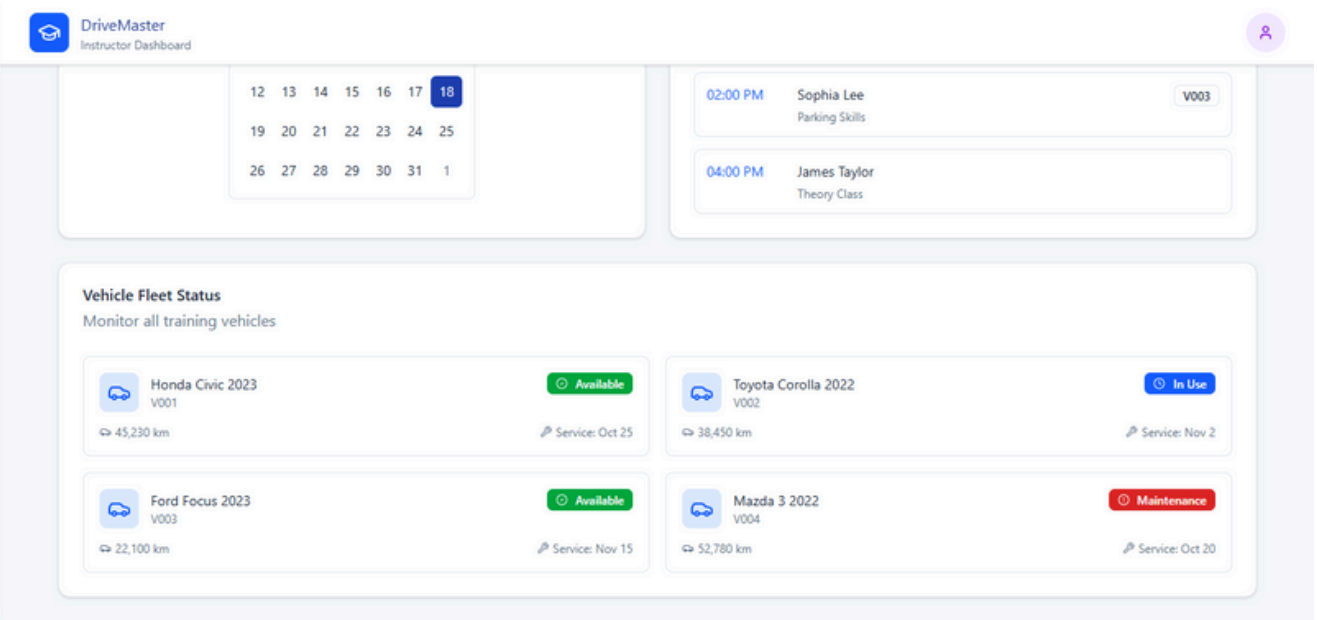
Key Roles and Functionalities



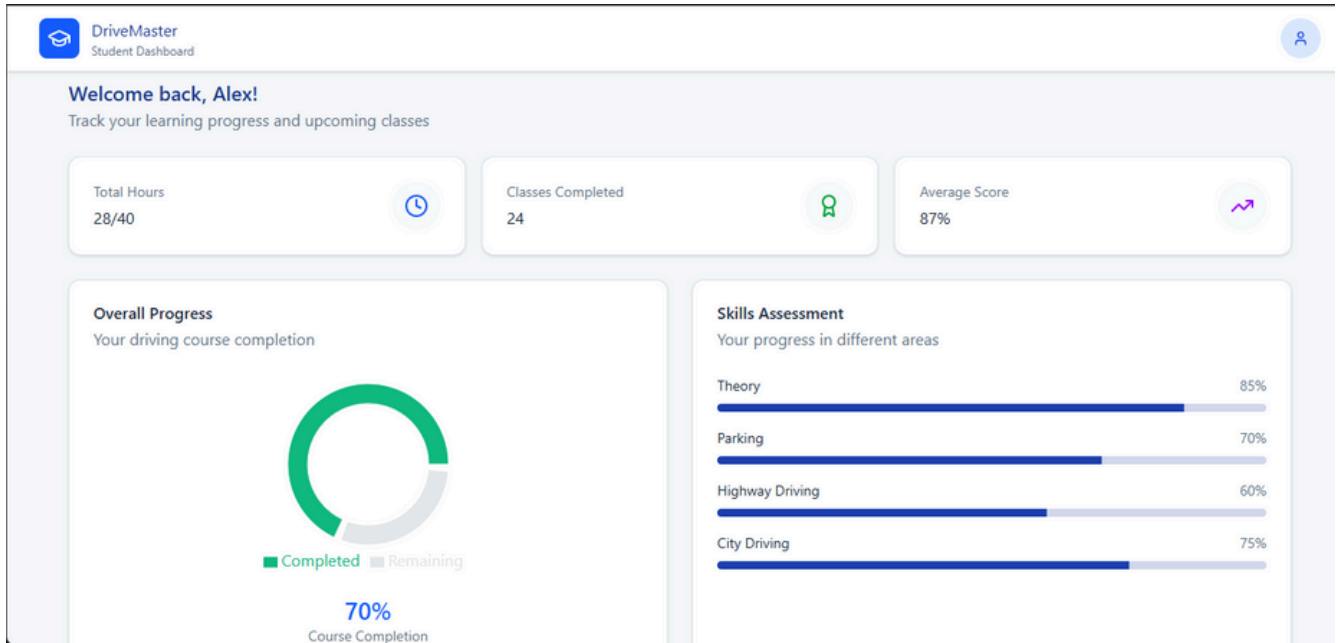
Secretary



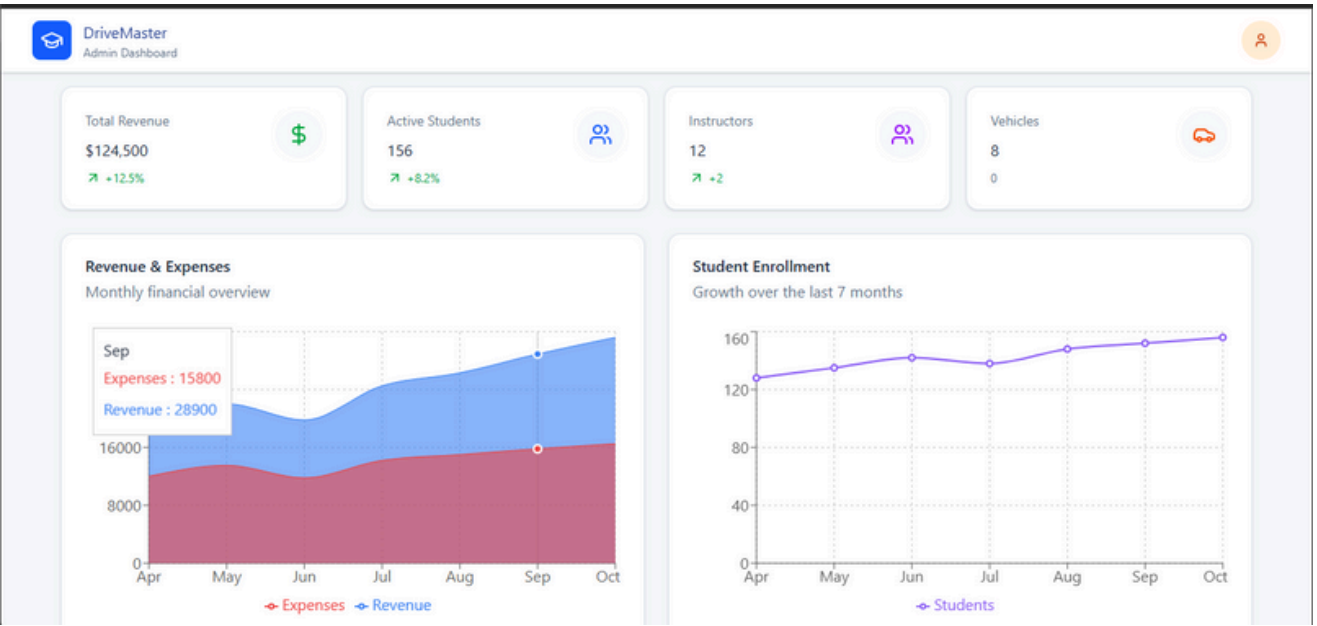
Instructor



Student



System Admin

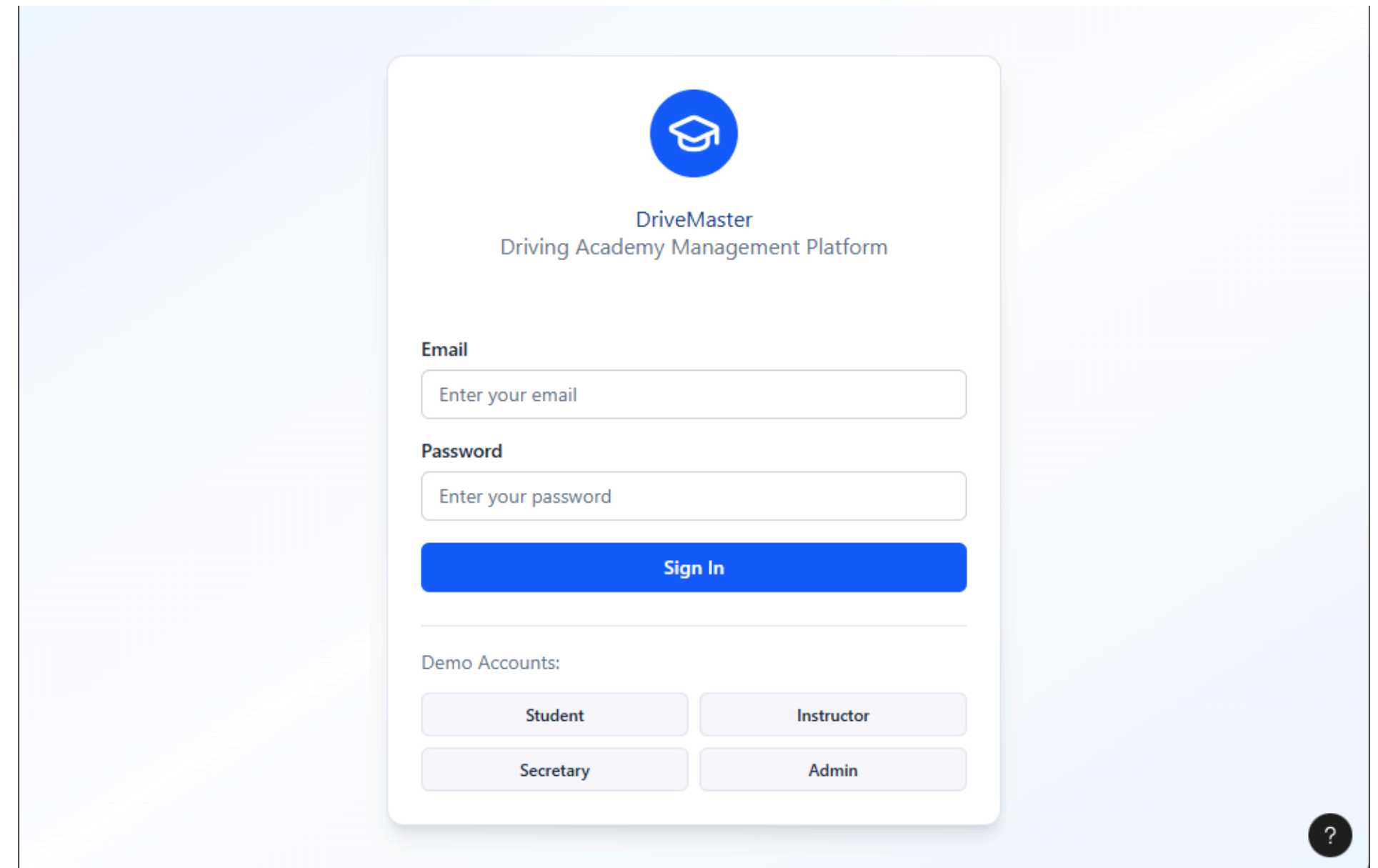


System Architecture

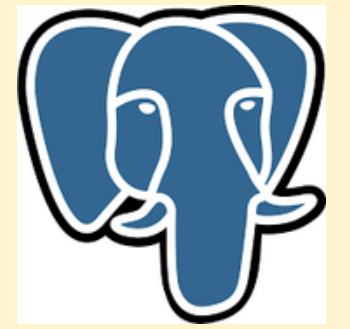


Frontend(Web Client)

Single-page application (SPA) developed in Angular. It offers a dynamic user experience for all roles.

A screenshot of the DriveMaster login interface. The interface is a white card centered on a light blue background. At the top of the card is a blue circular logo with a white graduation cap icon. Below the logo, the text 'DriveMaster' and 'Driving Academy Management Platform' are displayed. The login form includes an 'Email' field with the placeholder 'Enter your email', a 'Password' field with the placeholder 'Enter your password', and a blue 'Sign In' button. Below the login fields, there is a section titled 'Demo Accounts:' with four buttons: 'Student', 'Instructor', 'Secretary', and 'Admin'. A small circular help icon with a question mark is located in the bottom right corner of the card.

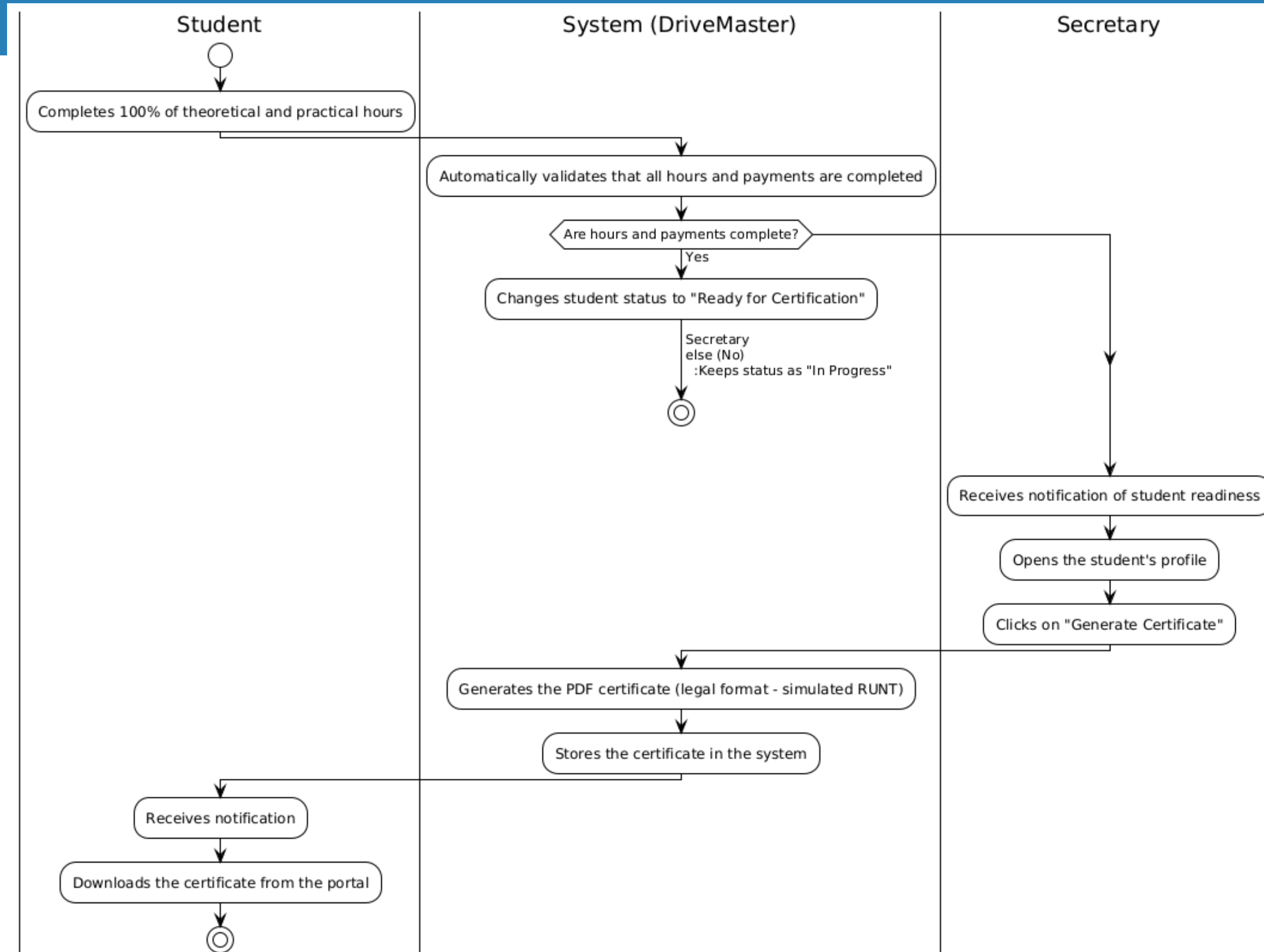
System Architecture



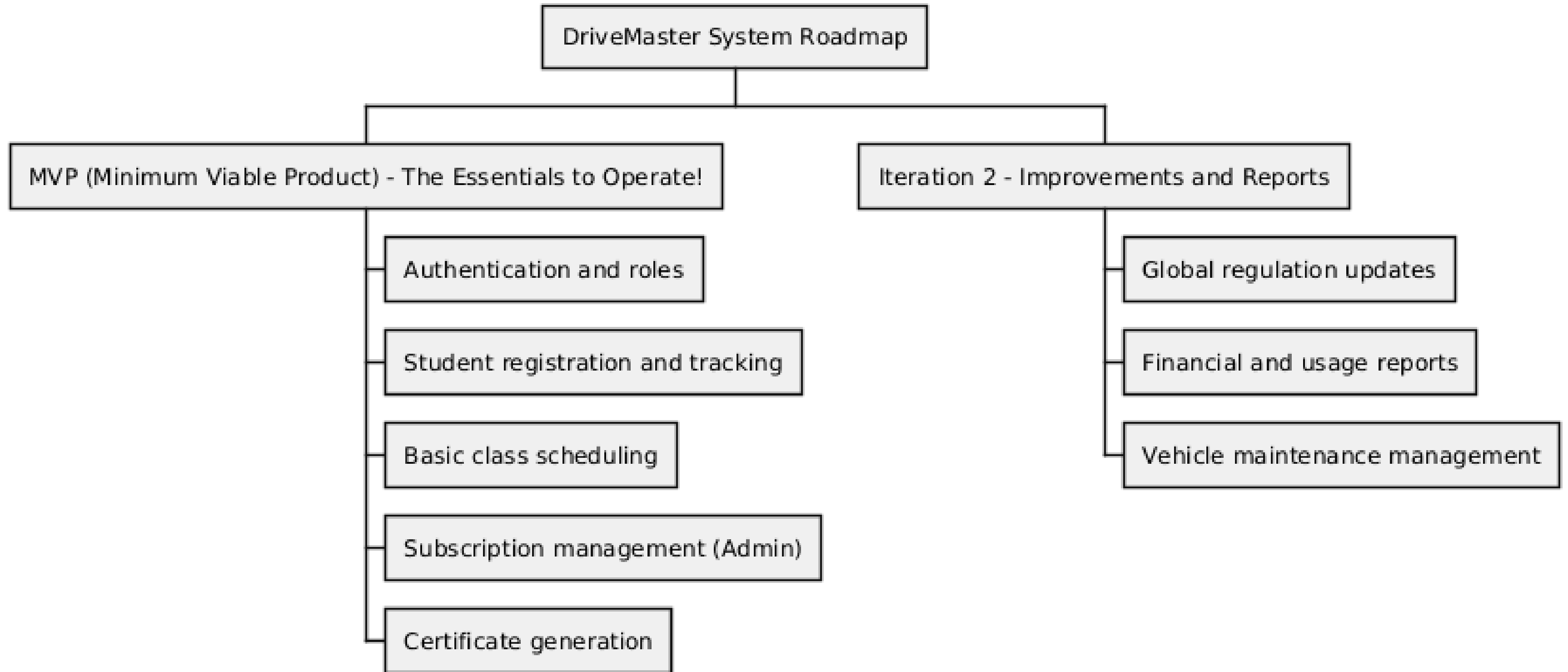
Backend

- API Gateway: Single entry point.
- Authentication Microservice (Java): Manages security, roles, and access.
- Business Logic Microservice (Python): Handles business rules, hour calculations, scheduling, and reports.
- Database: Relational database (e.g., PostgreSQL) with a multi-tenant schema to isolate each academy's data.

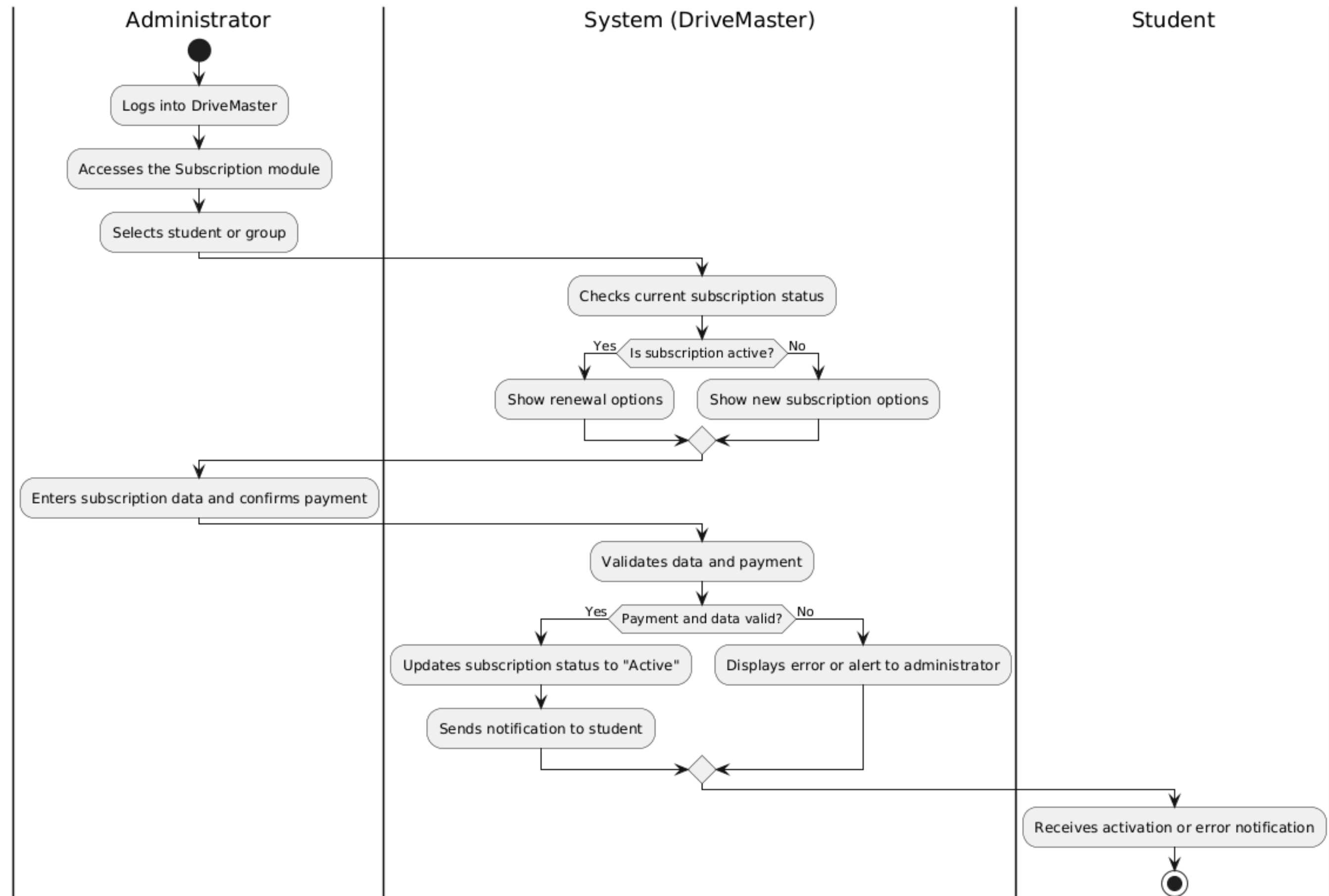
Key Process: Student Certification (BPMN)



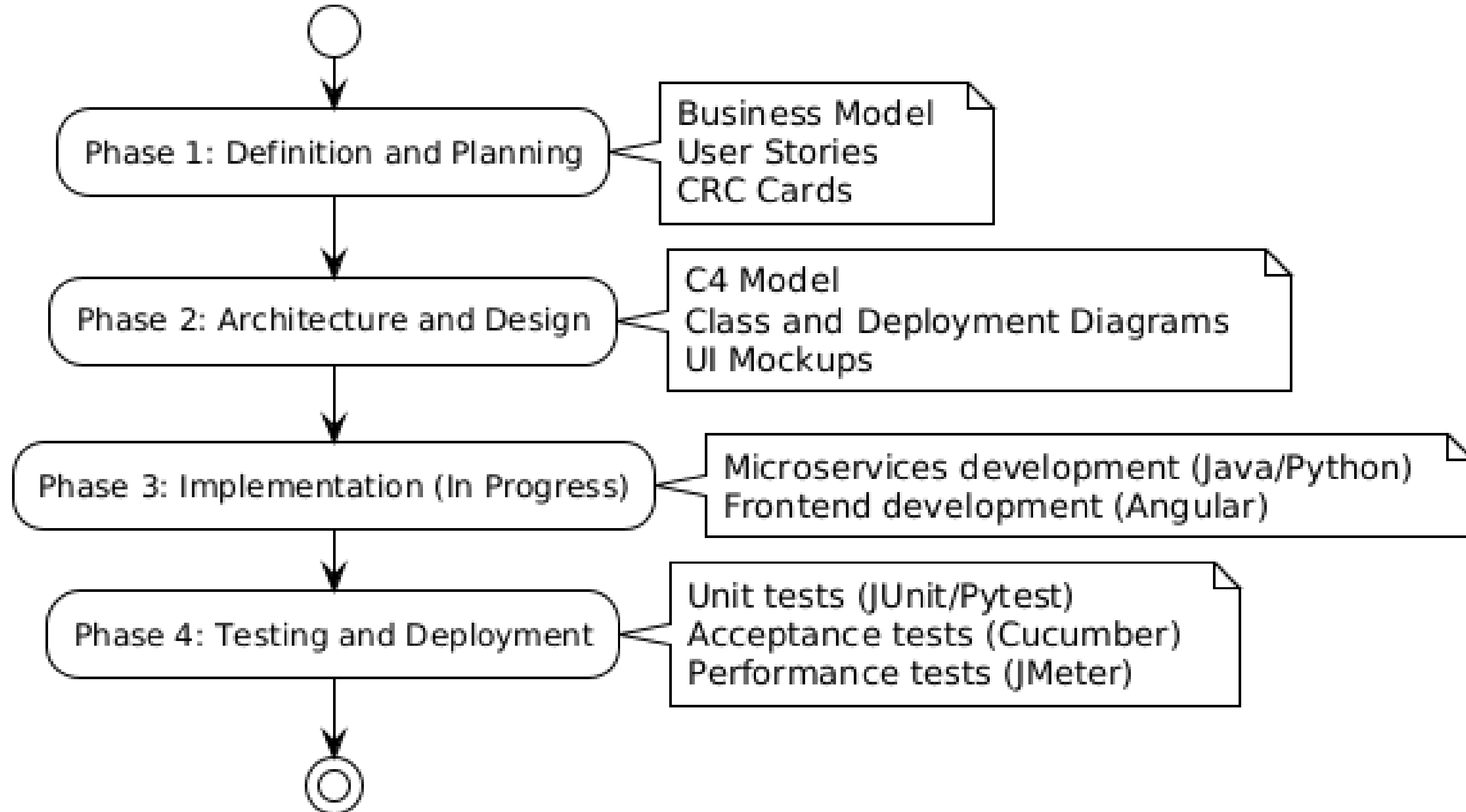
Development Plan and MVP (Minimum Viable Product)



Subscription management



Project Phases



GRACIAS POR LA ATENCIÓN

