# CS 255 System Design Document Template

## UML Use Case Diagram

A diagram of a diagram

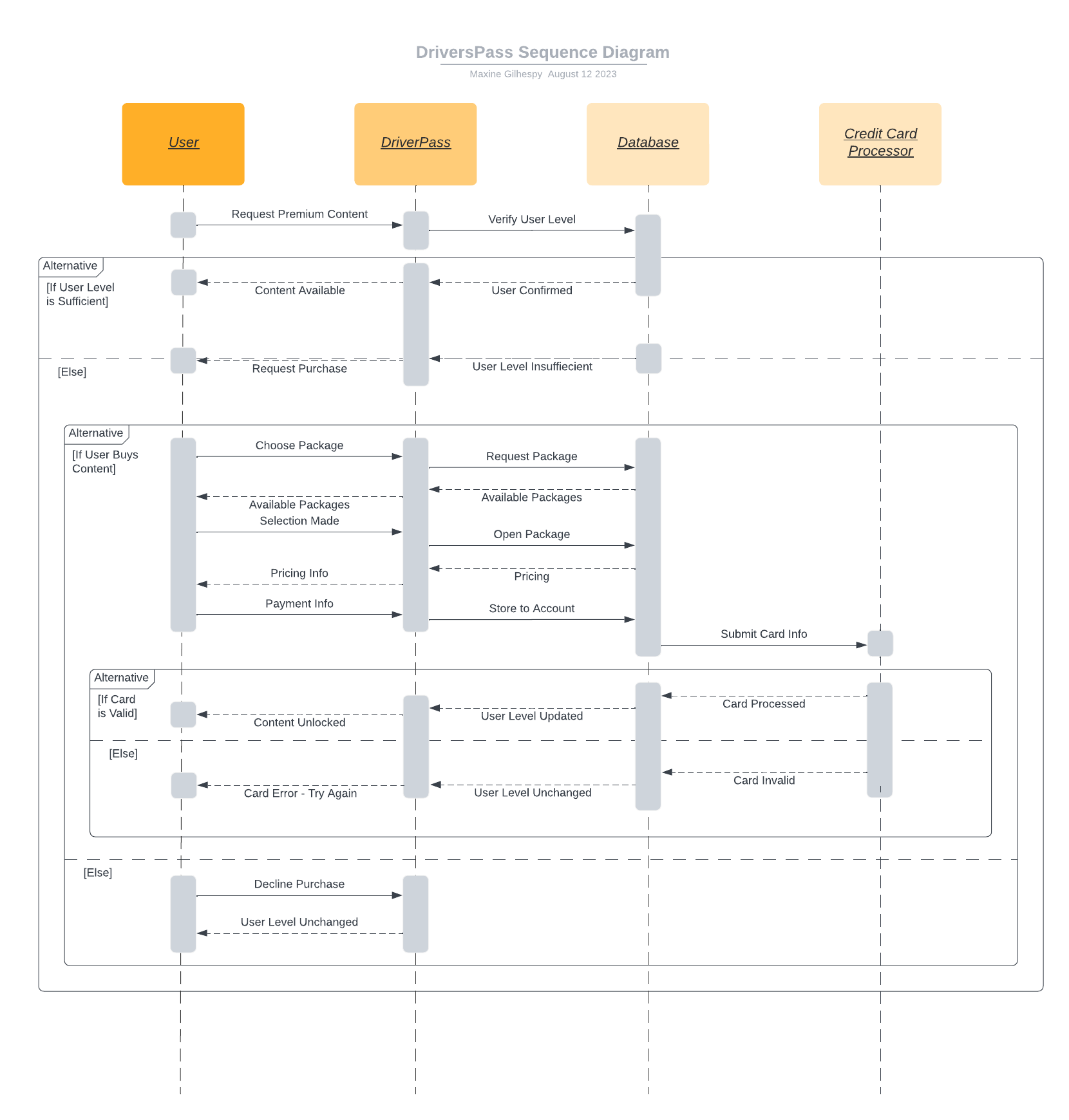
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## UML Activity Diagrams

## A diagram of a diagram Description automatically generated

### A diagram of a company Description automatically generated

### UML Sequence Diagram



### UML Class Diagram

A computer screen shot of a computer flowchart

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## Technical Requirements

Hardware Requirements for Host:

* At least one physical server
* Networking cables for the server and equipment
* Monitor, keyboard, and mouse for interaction
* Power sources
* Internet provider

Hardware Requirements for Client:

* Desktop or laptop computer. If desktop, include a mouse and keyboard and screen
* Wireless card or ethernet cable for networking
* Power sources
* Internet provider

Software Requirements for Host:

* Windows Server operating system
* DriverPass Software
* Docker software for controlling VM traffic
* Security software for protecting sensitive information from hacking

Software Requirements for Client:

* Web browser application (Firefox, Chrome, etc.)
* Operating system (Mac, Linux, Windows, etc.)
* Security software for protecting sensitive information

Tools Required for Development:

* Computers with programming software (Visual Studio, Eclipse, emacs, etc.)
* Internet connection for server upload
* Network admin tools for monitoring for suspicious traffic

Infrastructure Required:

* Server location or cloud provider
* Adequate power supplies to the building
* Adequate internet service to the building
* Parking available for employees
* Cars for students/instructors
* Insurance as required by law in state of operations
* Credit card processing company contract