# CS 255 System Design Document

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## UML Diagrams

### UML Use Case Diagram

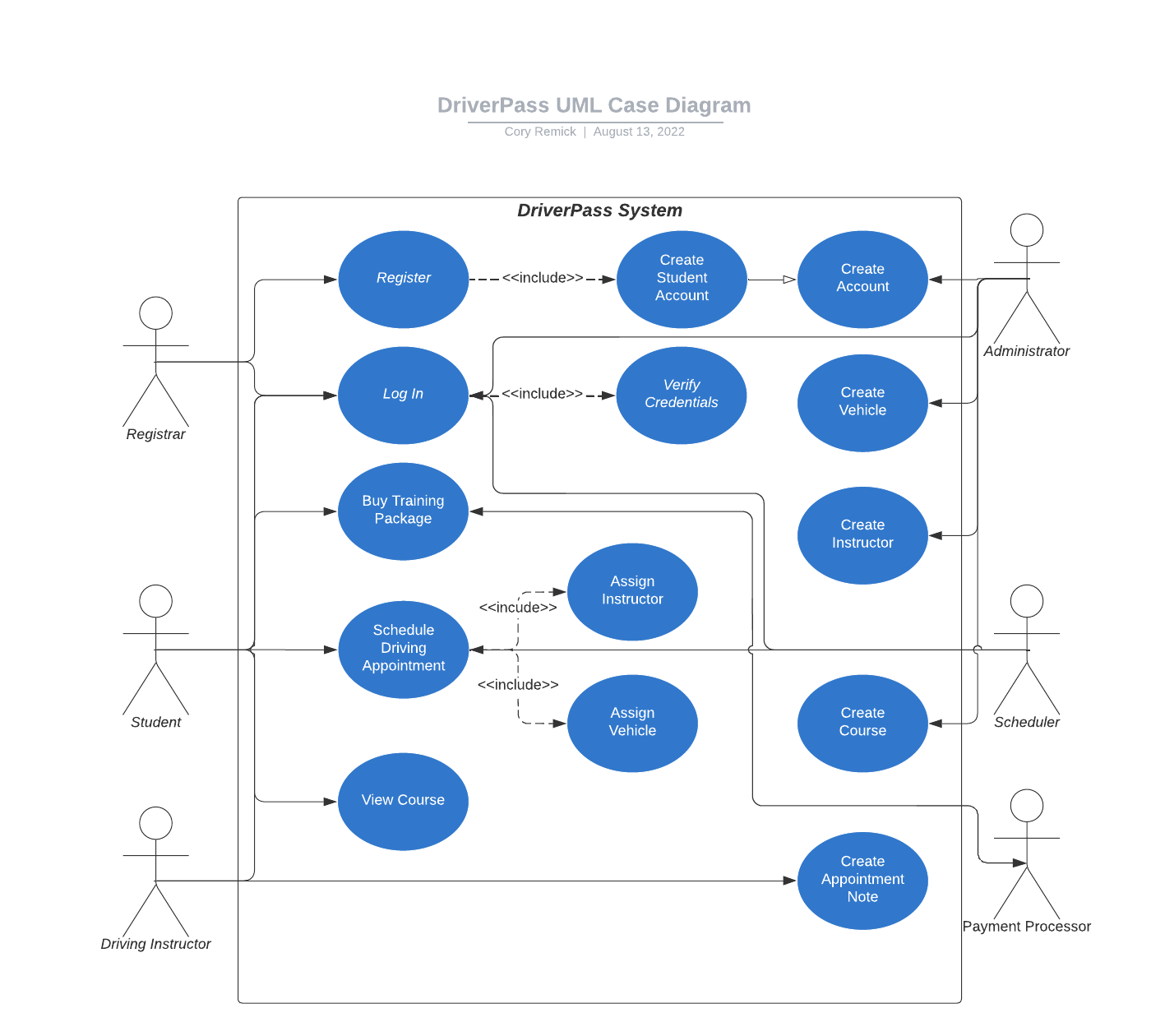
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Figure Use Case Diagram

### UML Activity Diagrams

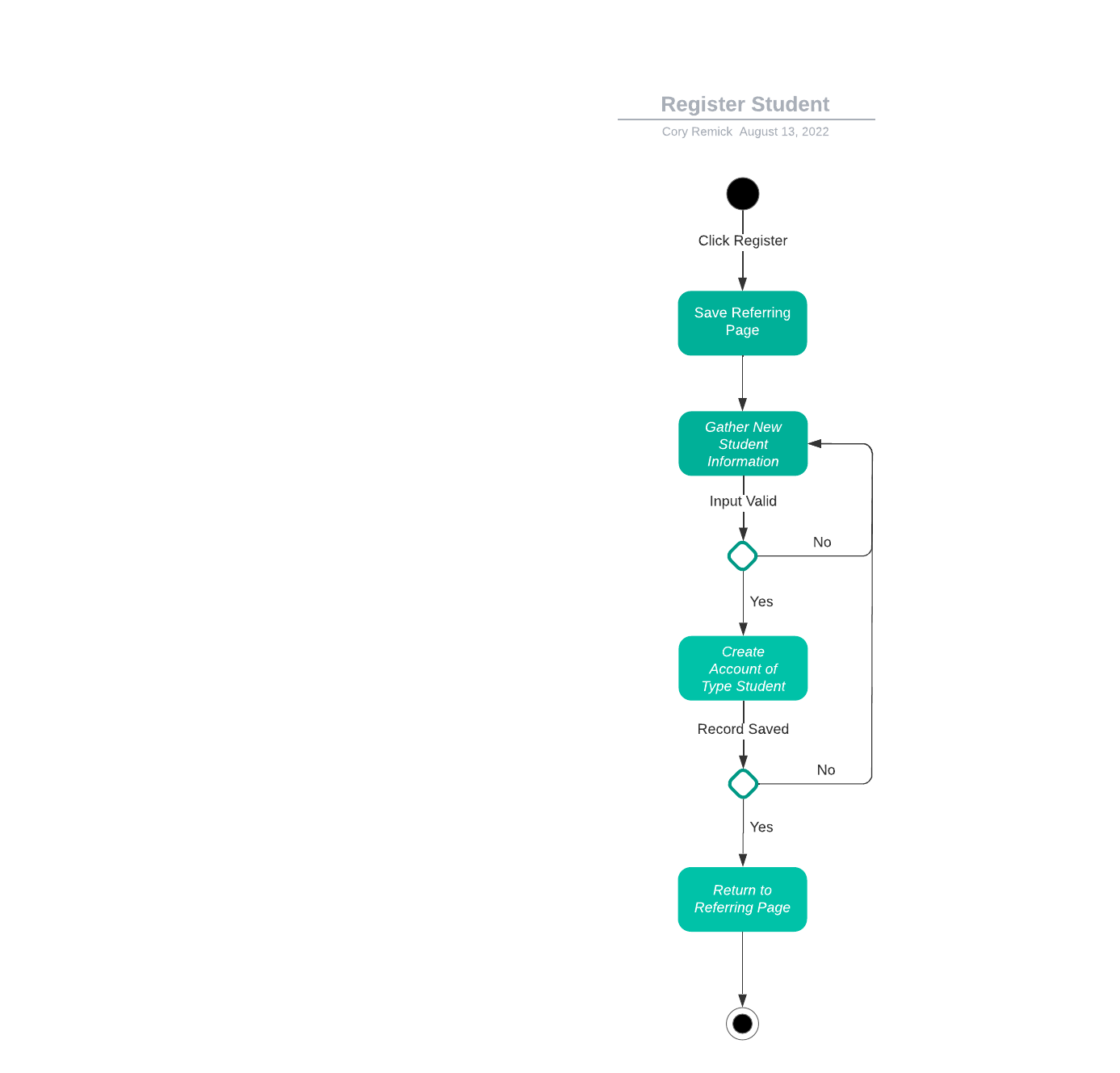


Figure Register Student

Diagram

Description automatically generated

Figure Schedule Driving Appointment

### UML Sequence Diagram

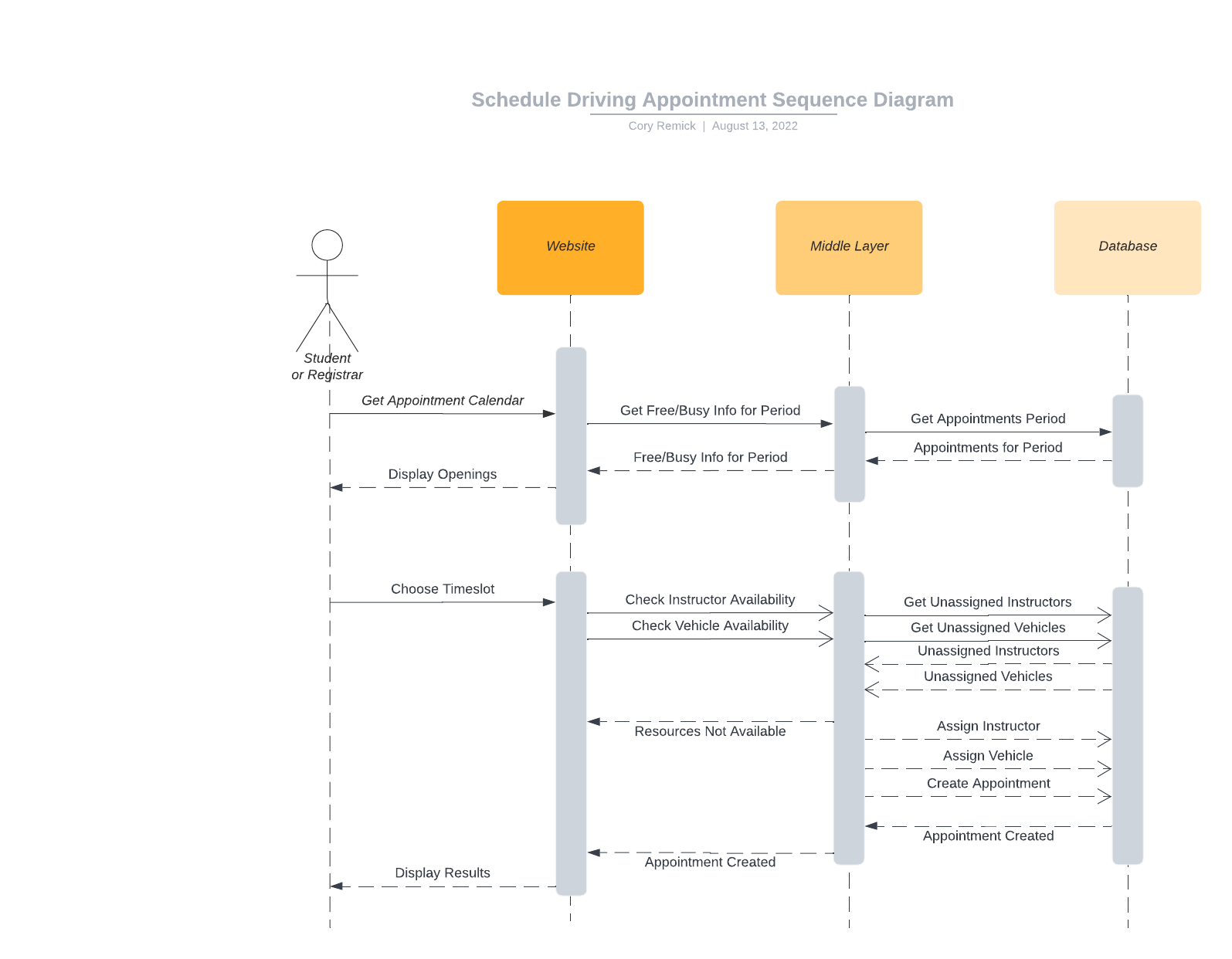
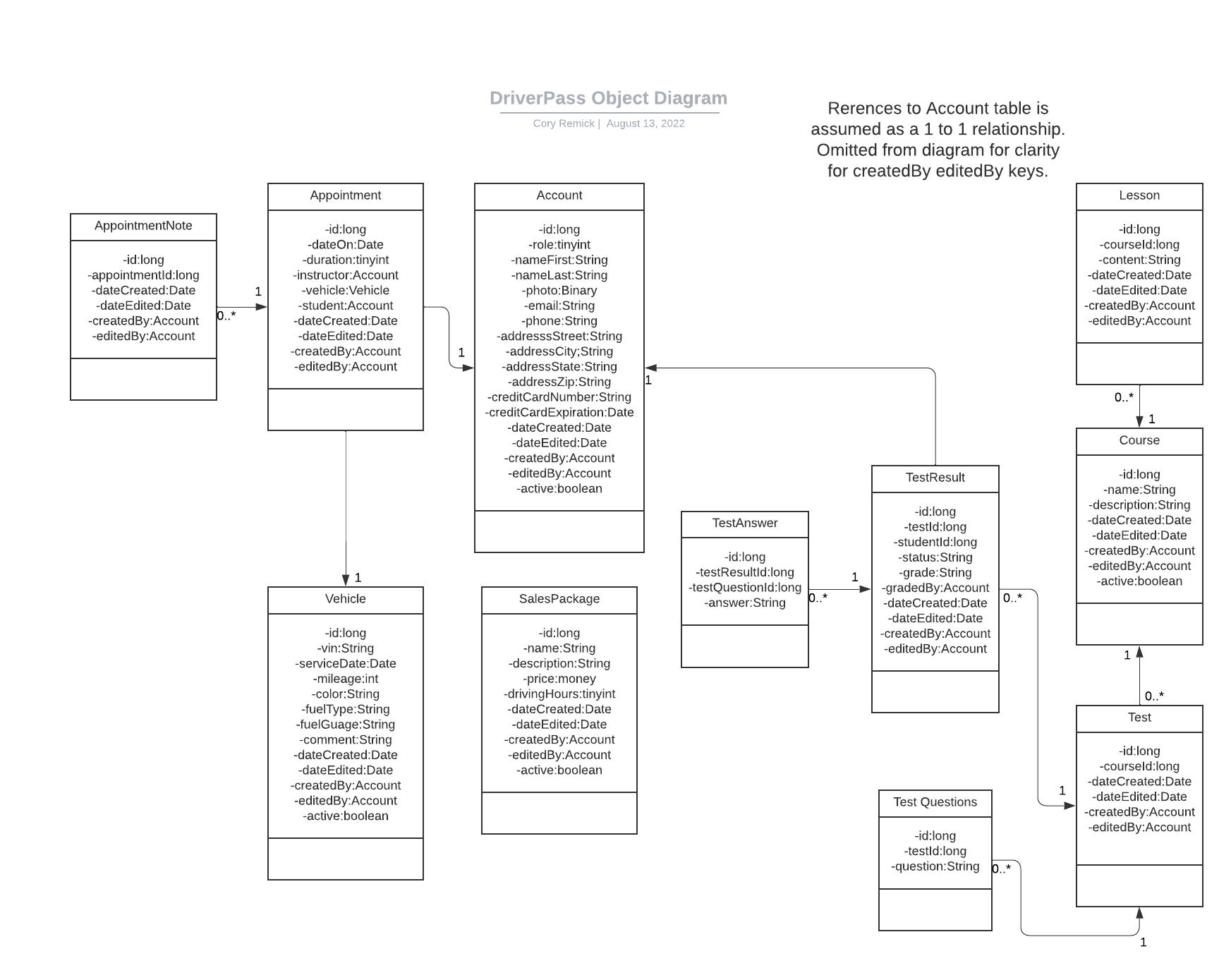
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Figure Sequence Diagram

### UML Class Diagram

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## Technical Requirements

* Server: Unix OS
* Web Server: Apache
* Server DB: MySQL configured for High Availability (commercial costs involved)
* Middle Tier: Java Spring Framework
* Java Platform
* Eclipse Integrated Development Editor
* Jenkins Continuous Integration Continuous Deployment
* Amazon Web Services Cloud Provider
* OWASP Dependency Check, static security analysis