

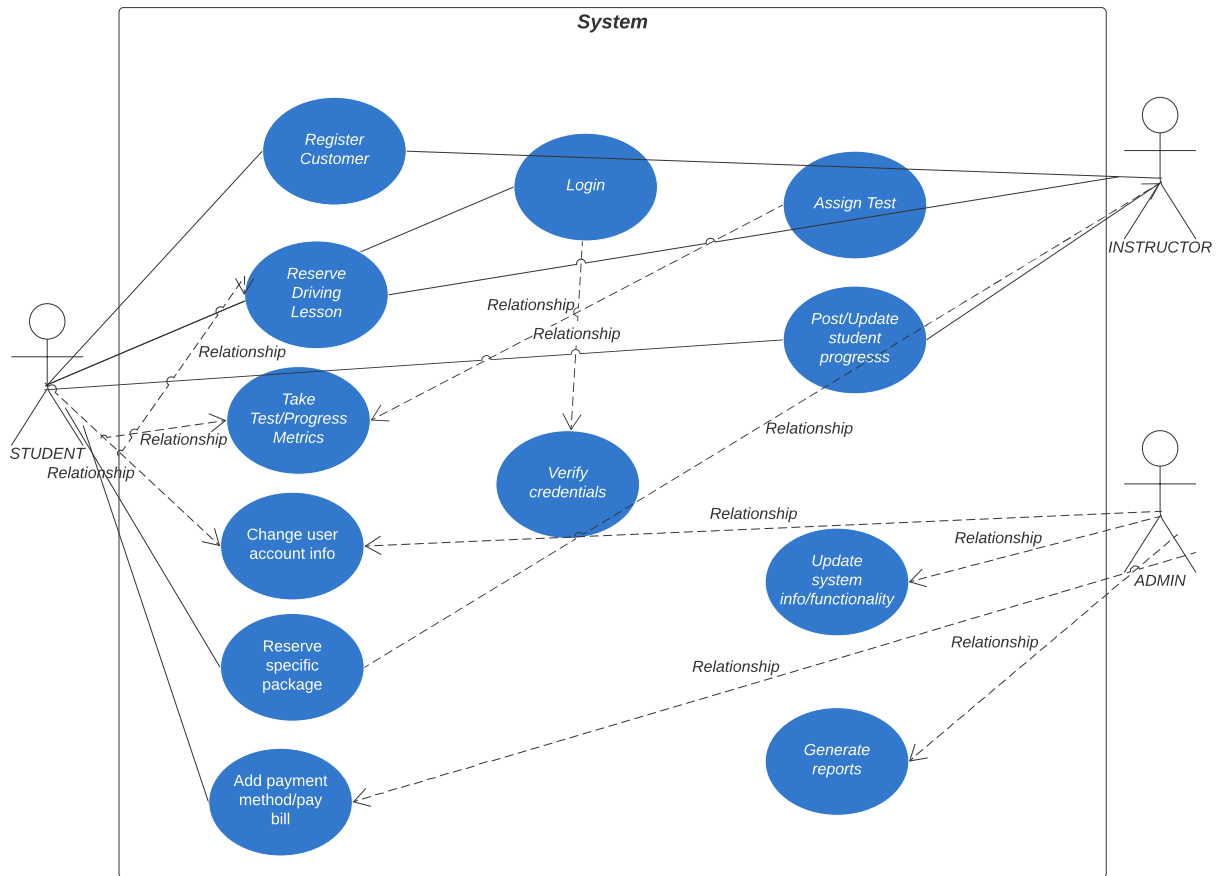
CS 255 System Design Document

UML Diagrams

UML Use Case Diagram

Use case diagram

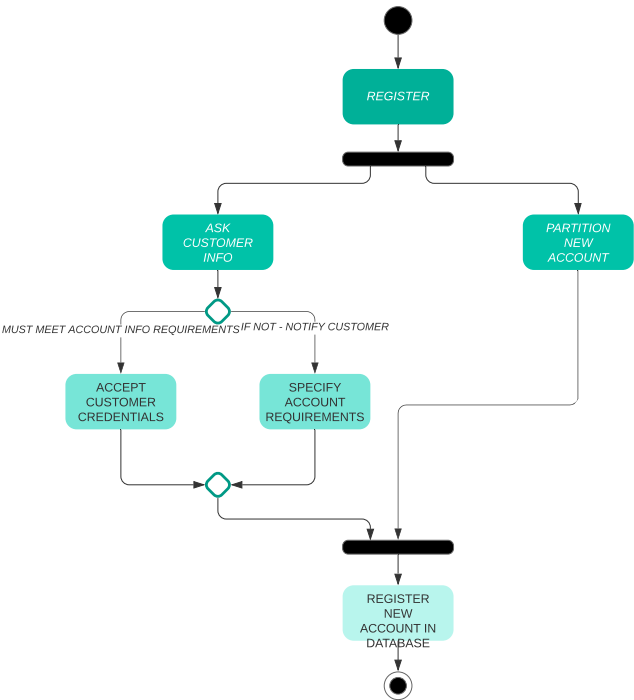
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UML Activity Diagrams

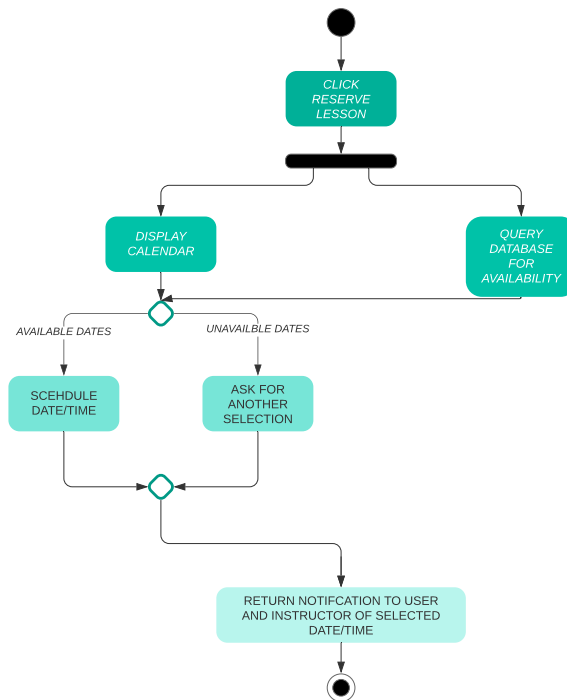
Activity diagram - REGISTERING

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Activity diagram - RESERVE LESSON

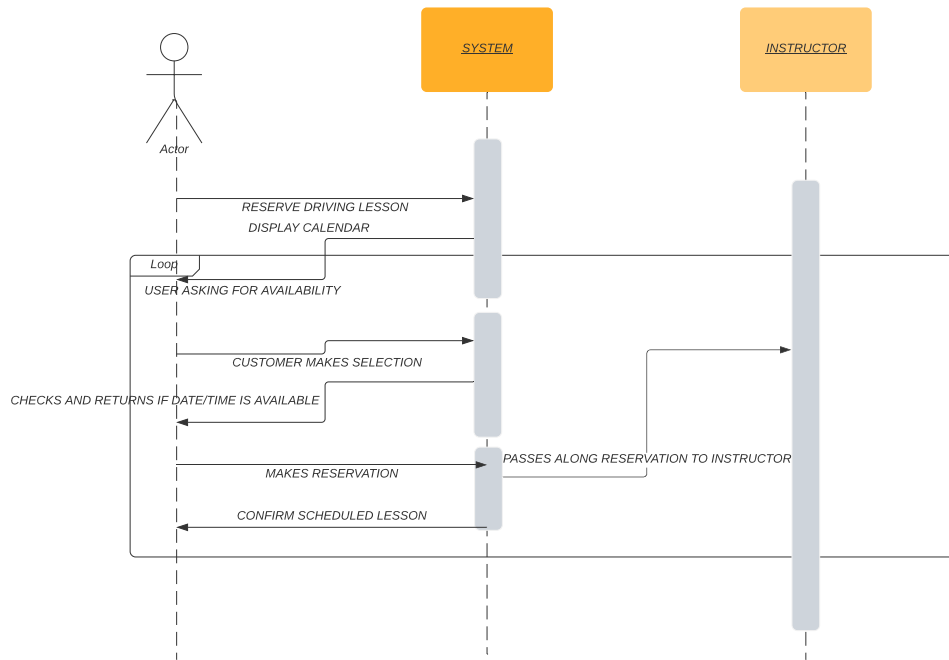
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UML Sequence Diagram

Sequence diagram- SCHEDULING

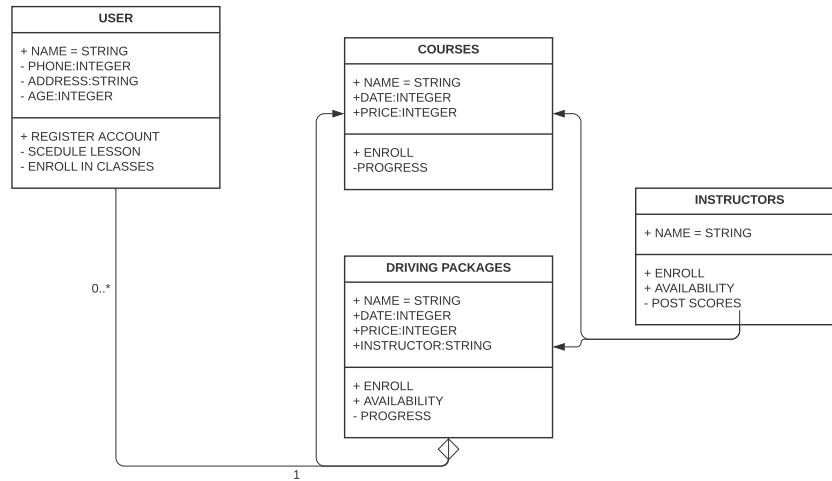
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UML Class Diagram

UML class

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Technical Requirements

Based on the functional and non-functional requirements for the system we have the following technical requirements:

- 6 machines running Linux for the software developers with monitors, mice and keyboards
- Linux operating machine with code editor
- Lucidchart or something similar to build out diagrams
- Code terminal to run operations and test code
- Scheduling tool like Google calendars to keep up with deadlines and requirements
- Cloud server with enough space reserved for all functional requirements
- Two IT workers to perform updates and manage bugs
- Software interface/app for instructors to access students accounts and scheduling