# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

## Technical Requirements

* System must be built on web back-end framework such as Django, React
* Database required for storing user and admin’s data such as SQL, MongoDB
* Front-end for the web application
* Servers can be run on traditional on-premise hardware or cloud based provider(Recommended for budget).
* User needs to be able to login to system to see lessons and reserve new appointment for class and send pickup location
* Location API needed to choose pickup location
* Database needs privileges that can be used by admins, service agents and IT officers to access user’s information
* Admins should be able to access appointment information and be able to reset user’s password