# CS 255 System Design Document Template

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client’s needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Login Activity Diagram

Diagram

Description automatically generated

Appoint Scheduling Activity Diagram

Diagram

Description automatically generated

### UML Sequence Diagram

Login Sequence

Diagram

Description automatically generated

### UML Class Diagram

Diagram

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## Technical Requirements

Software Requirements:

* Cloud servers, linux-based
  + Preferably AWS; distributed server that supports all major browsers.
* NoSQL Database
  + No complex relationships or relational mapping. Information can be stored as documents in a popular, well-documented and supported OSS database, such as MongoDB.
* Payment Processor
  + Paypal, Stripe, or any well-supported payment processor of client’s choice.

Hardware Requirements:

* Can use a dedicated server in-place of cloud server.
* Access to internet via smartphone or desktop/laptop.
* Internet connection.