# 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

*A diagram of a system

Description automatically generated*

### UML Activity Diagrams

***Login / Register Use Case:***

*A diagram of a login form

Description automatically generated*

***Purchase Package Use Case***

*A diagram of a diagram

Description automatically generated*

### UML Sequence Diagram

***Purchase Package Use Case:***

*A diagram of a payment process

Description automatically generated*

### UML Class Diagram

*A diagram of a computer

Description automatically generated with medium confidence*

## Technical Requirements

* ***Hardware Requirements***
  + *Dedicated Server*
  + *Reliable Internet connection*
  + *Reliable Computer / Mobile Devices*
* ***Software Requirements:***
  + *Utilization of Windows / macOS / Linux Server*
  + *Cloud Storage*
  + *Security Measures*
  + *SQL Server for Databases*
  + *Backup Precautions for Website / Data (microservices)*