# 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

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### UML Activity Diagrams

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

**Class Description:**

**SplashScreen**

This is the main page of the website, with options to login. After logging in and retrieving the user access level it will display various options, for instance student users will not be able to see the user list.

**Login**

The class will request two strings in the method and send those off to be verified in the database. The verification will return to the splash screen with altered view.

**ViewMaterial**

This will show the learning material by chapter. For high enough users it will also allow editing.

**ViewTests**

The class will show tests taken, by chapter, and their scores. It will also allow people to take a new test based on the chapter they want.

**ViewCalendar**

ViewCalendar will display a calendar for the next month with available times to set up in person appointments. Once a block is taken it will subtract from the appropriate user (if employee does it) time allotment. Deleting a time will add the time back. Both will remove or add from the calendar appropriately to stop double booking.

**DrivingComments**

This will show the appropriate user driving appointments. In those comments can be made or looked at, depending on the level of the user.

**UserList**

This will show a list of users and some statistical data. This data can be downloaded into a csv file. For some users it will also allow the rights of other users to be changed.

**PurchasingPackages**

The class will display the options for the different packages. It will allow users to add those packages to a shopping cart. It also has the option for higher end users to edit packages.

**FinalPurchase**

This is the checkout for buying the package. It will securely take the payment method and appropriately add in person hours.

**Technical Requirements**

For this system a dedication server computer and a recommended back-up is required to run this website. A constant internet connection must also be maintained for the website to work.