# CS 255 System Design Document Template- Tomasz Czubat

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

Chart

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

Graphical user interface

Description automatically generated

### UML Sequence Diagram

### Graphical user interface, Word Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated with medium confidence

## Technical Requirements

The technical requirements based on these diagrams will need to be implemented to achieve a working efficient system. Customers will need a computer with an internet connection to access the application. The application will need to store customer information on a server that can be accessed wirelessly. The application will need to be secure and the customer’s payment information will need to be encrypted and stored in a secure database. Weekly maintenance and updates will be needed to make sure the application is performing efficiently at all times.