# 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

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### UML Activity Diagrams

Diagram

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Diagram

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

For this system, we seek to develop a cloud-based architecture for a web interface, and mobile application for owners to download data. Sorting the database utilizing keys will be crucial to system performance, no matter how it is hosted (cloud vs on premises). An SSL connection is required for users, maintaining security. The cloud architecture gives us flexibility on cost measures and having better scaling mechanisms when higher or lower traffic is encountered. Role access is needed to have certain permissions that some users can do, while others cannot.