**CS673 Software Engineering** 

**Team 1 - Chit Chat**

**Software Design Document**

| Team Member | Role(s) | Signature | Date |
| --- | --- | --- | --- |
| Masih Vahida | Team Leader |  | 09/07/2025 |
| Robin Roeoesli | Requirement Leader |  | 09/07/2025 |
| Jordyn Lipsey | Configuration Leader |  | 09/07/2025 |
| Deasia Little | QA Leader |  | 09/07/2025 |
| Ardit Briskaj | Design and Implementation Leader |  | 09/07/2025 |
| All | Security Leader |  | 09/07/2025 |
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**Revision history**

| **Version** | **Author** | **Date** | **Change** |
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# Introduction

In this section, give an overview of this document, and also address the design goals of your software system.

# Software Architecture

In this section, you will describe the decomposition of your software system, which includes each component (which may be in terms of package or folder) and the relationship between components. You shall have at least one diagram to show the whole architecture of . The interface of each component and dependency between components should also be described. If any framework is used, it shall be defined here too.

# Class Diagram

In this section, you will provide a detailed description of each component (or package) and use one or multiple class diagrams to show the main classes and their relationships in each component.

# UI Design (if applicable)

In this section, you can describe your UI design

# Database Design (if applicable)

In this section, you shall describe any database schema if used in your software system.

# Security Design

In this section, you shall describe any security design in your software system.

# Business Logic and/or Key Algorithms

In this section, you shall describe any key algorithms used in your software system, either in terms of pseudocode or flowchart, or sequence diagrams.

# Design Patterns

In this section, you shall describe any design patterns used in your software system.

# Rest APIs

# Any Additional Topics you would like to include.

# AI usage Log

You are allowed and even encouraged to use AI tools to help you generate the project idea, plan it and build it, but you need to clearly describe 1) What tools were used? 2) for what specific tasks and 3) Is it helpful? 4) how did you evaluate or modify AI-generated content? Additionally, you should submit the exported AI chat history as an appendix or share that with the instructor and facilitators.

| Tools | Who | Tasks | helpful | Evaluation/modification | links |
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# References

# Glossary