**Capstone Project**

**Document Template**

Note: The following are the candidate sections of the document. They are presented here for guidance. Questions in each section could be used as possible aspects to cover. Some questions may not be applied to each project. On the other hand, additional information may be needed.

# Introduction

## Purpose

* Connecting people through projects
* No other similar solution currently exists (that I know of)
* There are no current users, but loneliness epidemic could ensure users
* At best, millions of daily users linked and developing themselves through the app
* As stated no similar project exist. People can pledge money to projects or find friends through application but not discover and collaborate on projects

## Industry/ domain

* The domains are Project management and Self development
* It is a flourishing industry due to a shift of culture toward individualism
* Profits are primarily from sales or subscription to courses
* The key concepts are:
  + Developing a Personal Vision
  + Planning Your Personal Development
  + Starting the Improvement Process
  + Recording Your Personal Development
  + Reviewing and Revising Personal Development Plans
* The project could be linked to many industries, including advertisement and education

## Stakeholders

* Everyone over 16 that has a reliable access to the Internet
* It lets stakeholders connect to others and sharpen their skills
* Currently none, though ease of use will be a requirement

# Product Description

## Architecture Diagram

Include a diagram of the building blocks of the design including users and how they interact with the product.

## User Stories

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | User Story Title | User Story Description | Priority | Additional Notes |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| … |  |  |  |  |

## User Flow

Present as a flow diagram the steps a user may make in interacting with the software.

## Wireframe Design

Show elements of the user interface, either manually or via a tool such as Figma.

## Open Questions/Out of Scope

* What features are considered out of scope?

## Non-functional Requirements

* What are the key security requirements? (e.g. login, storage of personal details, inactivity timeout, data encryption)
* How many transactions should be enabled at peak time?
* How easy to use does the software need to be?
* How quickly should the application respond to user requests?
* How reliable must the application be? (e.g. mean time between failures)
* Does the software conform to any technical standards to ease maintainability?

# Project Planning

# Testing Strategy

* What were steps undertaken to achieve product quality?
* How was each feature of the application tested?
* How did you handle edge cases?

# Implementation

* What were the considerations for deploying the software?

# End-to-end solution

* How well did the software meet its objectives?

# References

* Where is the code used in the project? (link to GitHub)
* What are the resources used in the project? (libraries, APIs, databases, tools, etc)