Issue Tracker Software Requirements Specification

# Introduction

This document lays out the project plan for the development of the Issue Tracker application

The intended readers of this document include the current and future developers working on the application and any future users of this application. The plan will include, but is not restricted to, a summary of the system functionality, the scope of the project, scheduling and delivery estimates, and the process by which I will develop the project.

# Overview

## Users

The users of this application are software developers and others who work in software development.

## Platform

This will be a web-based application.

## Development Responsibility

I, Andrew Keyes, would be developing both the backend and frontend technology as well as the implementation of the database the application relies on.

# Requirements

## Function Requirements

* Users should be able to creates projects.
* Users should be able to add issues related to that project.
* Users should be able to update the status of a given issue.
* Users should be able to add other users to their project
* Each user will have their own profile that contains their information and what project they are a part of.
* Users should be able to add comments to further describe the issue.
* Users should be able to add tags to describe the nature of the issue.
* Users should be able to assign themselves or other users of a project to an issue.
* Users should be able to mark an issue as closed.

## Interface Requirements

* Users will be able to modify shared projects. These projects will be stored in an SQL database shared.
* The interface will allow the user to perform all CRUD operations on projects
* The interface will allow users to perform all CRUD operations on individual product issues.

## Performance requirements

* The application should perform all CRUD operations in a timely manner.
* The application should allow the user to login in a timely manner.

## Non-Function Attributes

* The application will include adequate security to user information.
* The application will allow for mutual exclusion of CRUD operations.

## Preliminary Schedule:

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| --- | --- | --- |
| Milestone | Description | Deadline |
| M1 | User Login System | 05/18/2022 |
| M2 | User Projects | 05/20/2022 |
| M3 | Issues | 05/24/2022 |
| M4 | Tags | 05/26/2022 |
| M5 | Add other users to projects. | 05/27/2022 |
| M6 | User Profiles | 05/31/2022 |
| M7 | Polish frontend and testing | 06/03/2022 |