

# **Software Requirement Specifications**

Version 2.0

# **Functional Requirements**

## A. Core

### a. Command line interface

- i. Utilization of JSON file type for saving the Task Manager for future use.
- ii. Task objects have 5 unique data types: Title, Date, Time, Description, and Category.
- iii. Task Manager is visualized on the command line.
- iv. Add a task function.
- v. Delete task function
- vi. Edit task function
- vii. Creates JSON files
- viii. Help Menu

### b. GUI interface

- i. Display task
- ii. Edit tasks with buttons
- iii. Add tasks with buttons
- iv. Delete tasks with buttons
- v. Save and load task lists

# **Non-Functional Requirements**

## B. Real-time UI updates

- a. Visually refresh when changes are made

## C. Usability

- a. Straightforward and intuitive.

## User Stories

- **As a student**, I want to be able to create a homework task intuitively so that I can easily keep track of assignments I need to complete.
- **As a working professional**, I want to be able to delete a task easily so that I can keep my to-do list correct and current.
- **As a business owner**, I want to be able to edit a task easily in case details change; that way, my task manager is flexible.
- **As a parent**, I want my task manager to prominently display my to-do list, so that the information of what I need to do is readily available.
- **As a nuclear physicist**, I would like my tasks to have a notes feature so that I can include important details to remember for my tasks, such as experiment details.
- **As a food YouTuber**, I would like the option to have multiple lists organized in different ways so I can compartmentalize the different aspects of my vocation.
- **As a commuter**, I would like to use all of the functionality offline, so I can use it anywhere.
- **As a computer scientist**, I would like to utilize my Task Manager from the command line for quickness and ease of use.