Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty

Software Requirement Specifications

Version 3.0

Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty

Functional Requirements

a. Core

    i. Command Line Interface

        1. Utilization of JSON file type for saving the Task Manager for future use.

        2. Task objects have 5 unique data types: Title, Date, Time, Description, and Category.

        3. Task Manager is visualized on the command line.

        4. Add task function.

        5. Delete task function

        6. Edit task function

        7. Creates JSON files

        8. 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

Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty

vi. Master list of task lists

vii. Multiple task list creation

viii. Sort by priority

ix. Sort by time added

x. Create lists using AI

Non-Functional Requirements

a. Program visually refreshes itself when changes are made.

b. Straightforward and intuitive.

c. Effortless and bug-less backend support.

Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty

User Stories

a. 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 done.

b. 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.

c. 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.

d. As a mom, 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.

e. 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.

Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty

f. As a food YouTube, I would like the option to have multiple lists organized in different ways, so I can compartmentalize the different aspects of my vocation.

g. As a commuter, I would like to use all of the functionality offline, so I can use it anywhere.

h. As a computer scientist, I would like to utilize my Task Manager from the command line, for quickness and ease of use.

i. As a logistics expert, I would like to be able to sort my lists in terms of priority so I can know which logistical task to focus on first.

j. As a new hobby runner, I don't know how to start training for a marathon, so I would like TaskManager to use AI to create a task list for marathon training.

Task Manager
CS 2420

Matt Gubler
Kevin Pett
Michael Short
Aidan Dougherty