


Cody King

Team Member Information

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Project Plan

Feature 1: Recurring Tasks

The recurring tasks feature will allow users to create tasks that will occur regularly, so the user will have the option to have a task repeated daily, weekly, monthly, or yearly.

Rationale


Recurring tasks in a to-do list will streamline task management by automating the scheduling of tasks that are to be repeated. This feature will help users keep a routine with their tasks. The technology required includes a database for storing the recurring tasks, Node.js for backend logic, and HTML, CSS, and JavaScript for frontend. To implement, the schema for tasks will have to add an option for recurring tasks and the UI will also have to be updated to match it.



Requirements

As a student, I want to have the ability to set recurring tasks so that I can keep a routine of tasks that need to be repeated without actually having to manually go in and add them each time they need to be repeated.

- As a user, I want to have the ability to set tasks to recur at whichever interval I choose; daily, weekly, monthly, or yearly.
- As a user, I want to be able to set if a task should recur forever or if it should start at a certain date and end at a certain date.
- As a user, I want to be able to have the ability to differentiate my recurring tasks from my regular ones.
- As a user, I want the ability to be able to pause a recurring task and start it when I need it again.

Deliverables

- code:
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/index.js>  (<https://github.com/btmolloy/ASE-285-Team-Project/blob/main/index.js>)
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/taskVisibility.js>

- test:
 - https://github.com/btmolloy/ASE-285-Team-Project/blob/main/__tests__/cody-recurring-tasks.test.js
- documents:
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/documents/RecurringTaskManual.pdf> 
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/Design%20Documents/CodyRecurringTaskDesign.png> 

Test Plan

Recurring Tasks Tests:

Automated

- Test that tasks are actually repeating at the specific interval they are supposed to.
- Test that custom start and end dates for tasks are working.

Manual

- Test that user is able to create recurring task.
- Test that user is able to pause and cancel tasks.
- Tests that modifications made to tasks are applied to all tasks.

Feature 2: Date Search

The date search feature will allow users to efficiently locate tasks by specific dates or within a range of dates.

Rationale



Date search will allow users to search for specific tasks on a specific date or within a range of dates. The technology required will be a database to store the dates, Node.js for backend logic, and HTML, CSS, and JavaScript for frontend. To implement this, the user interface will be changed to add this feature to the search.

Requirements

As a student, having the ability to search dates will be helpful because I need to know when I am busy for planning things.

- As a user, I want the ability to be able to search for tasks on a specific date or within a range of dates.
- As a user, I want to see the correct message when no results are on those dates.

Deliverables

- code:
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/views/todoDateSearch.ejs>
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/index.js>
- test:
 - https://github.com/btmolloy/ASE-285-Team-Project/blob/main/__tests__/cody-date-search.test.js
- documents:
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/documents/DateSearchManual.pdf>  (<https://github.com/btmolloy/ASE-285-Team-Project/blob/main/documents/DateSearchManual.pdf>)
 - <https://github.com/btmolloy/ASE-285-Team-Project/blob/main/Design%20Documents/CodyDateSearchDesign.png>  (<https://github.com/btmolloy/ASE-285-Team-Project/blob/main/Design%20Documents/CodyDateSearchDesign.png>)

Test Plan

Date Search Tests:

Automated

- Test that searching for tasks on a specific date is working.
- Test that searching for tasks on a specific range of dates is working.

Manual

- Test that UI is functional and easy to use.
- Test that user is able to search in correct format (MM/DD/YYYY).
- Test that correct error message is given when searching in incorrect date format.

Milestones and Deadline

- Milestone 1: Initial Prototype and Canvas Page done.
 - Date: 3/24/24
 - Goal: By the above date, the initial prototype to build off of should be complete as well as all the Planning for the project through the canvas pages.
- Milestone 2: Each member completes first feature.
 - Date: 3/31/24
 - Goal: Each member completes one of there two features.

- Deadline 1: Testing, Coding, Documentation of first feature is complete.
 - Date: 4/7/24
- Milestone 3: Each member completes second feature.
 - Date: 4/14/24
 - Goal: Each member completes the coding of the second of there two features.
- Milestone 4: Testing, Coding, Documentation of second feature is complete.
 - Date: 4/21/24
 - Goal: All tests, code and documentation of the second feature should be completed.

Risk Analysis

1. Work (M - F, 8 am -1 pm)
2. ENG 347 Major Assignment 3 - 4/7
3. ENG 347 Major Assignment 4 - 4/28
4. HW 8 - 5/3
5. CSC 360 Final Exam - 5/3

Project Progress

Feature Implementation

Week 1

Summary

- Completed Canvas page for two features.

Progress

- LoC: 0

Week 2

Summary

- Worked on design for recurring tasks feature.

Progress

- LoC: 0

Week 3

Summary

- Completed 3 requirements for recurring tasks feature. Feature mostly complete but still need to complete 2 requirements and work out some of the finer details.

Progress

- LoC: 148

Week 4

Summary

- Completed the last 2 requirements for recurring tasks feature and also completed all tests. First feature is complete.

Progress

- LoC: 301

Week 5

Summary

- Completed 1 of 2 requirements for search by date feature.

Progress

- LoC: 48

Week 6

Summary

- Completed last requirement for date search feature, completed all tests, and added a manual, All requirements have been met and features are running as expected.

Progress

- LoC: 214