

Project 1 Preliminary Submission

1. Project Overview

- 1.1. GitHub repository link (Make sure that the GitHub repository is public or shared with the instructor and TA)

https://github.com/GarethCarew/CS440_GroupProject

- 1.2. Brief description of the system (1 paragraph is enough)

The system we chose to design is a to-do list application. It currently only has one to-do list on the main page but we plan to add the ability to have multiple in the next week. It has support for adding, removing, and editing items. We plan to add support for checking/crossing off items.

- 1.3. Technology stack justification (description of the technologies you used and the rationale behind choosing them)

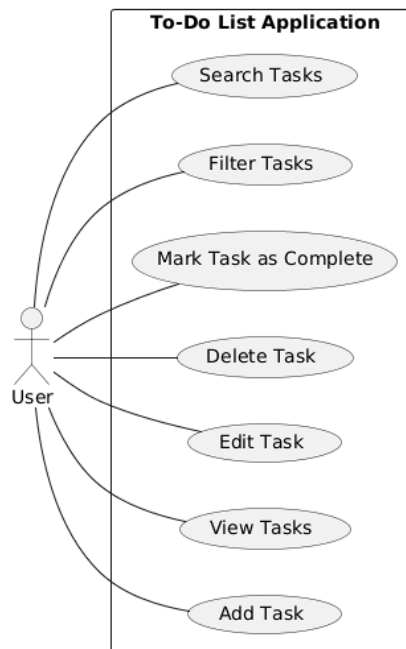
We chose to use node/express as our main framework because it was what we were most familiar with. We also chose to use mongo as our database for the same reason.

- 1.4. Architectural decisions and rationale (how you organized your code)

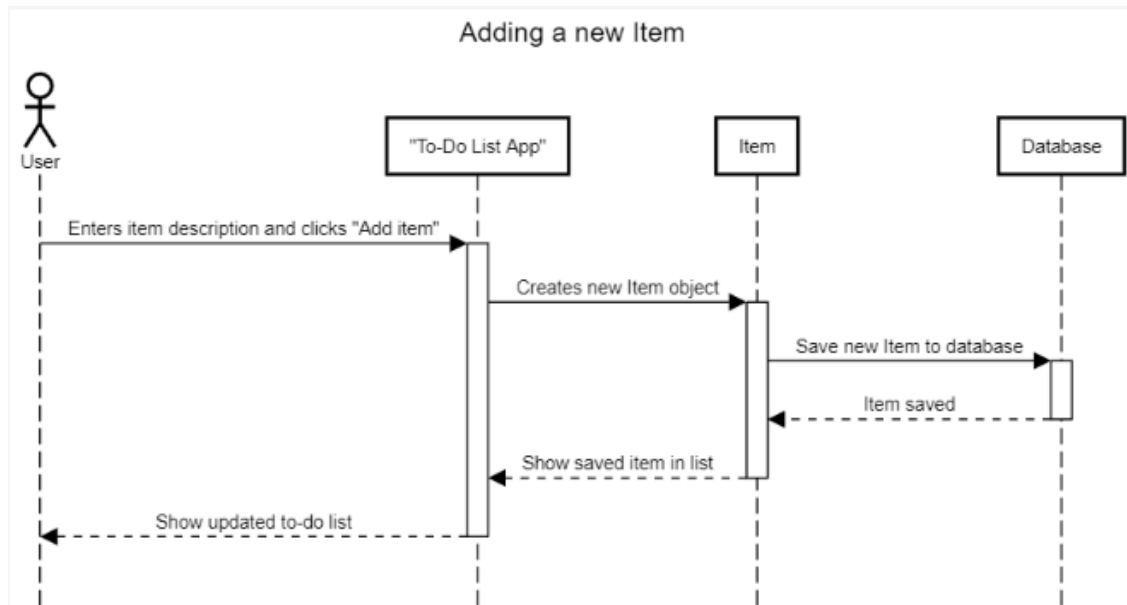
We chose to follow the recommended format for structuring our code with node/express. We have a main index.js file and our index.ejs file in the /views/ folder. We also have the /public/ directory which currently holds the css and a script for the dynamic elements of the ejs file.

2. UML Documentation

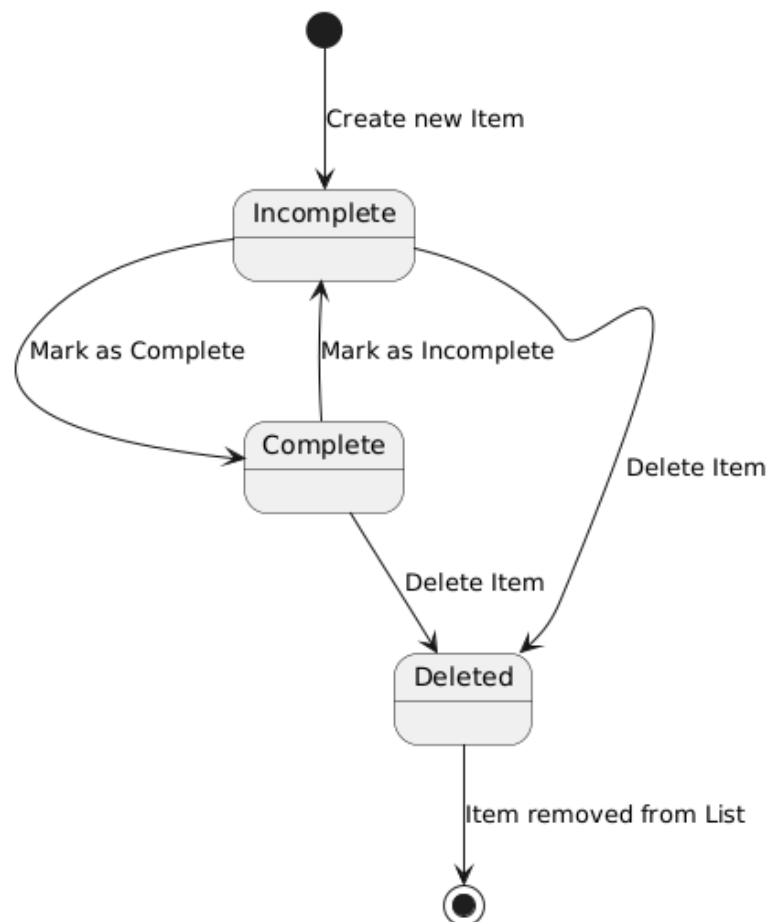
- 2.1. Use case diagram



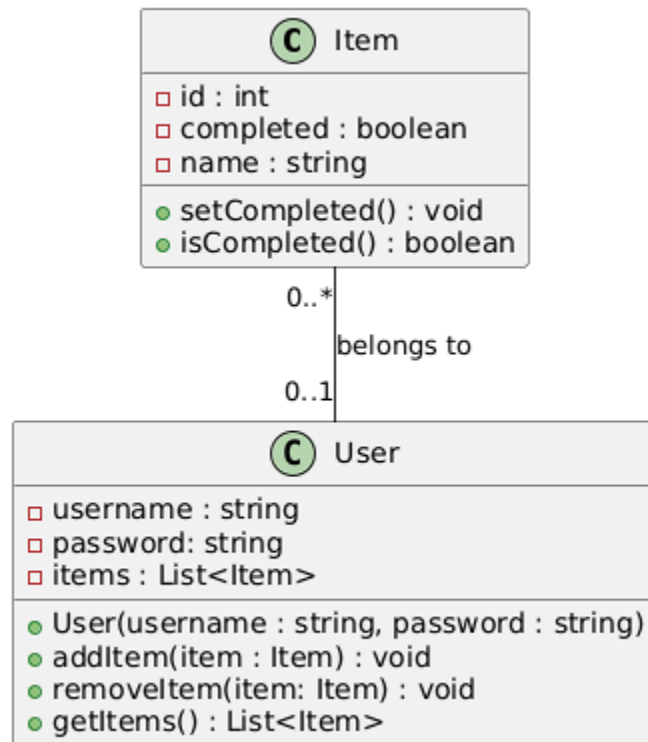
2.2. Sequence diagram



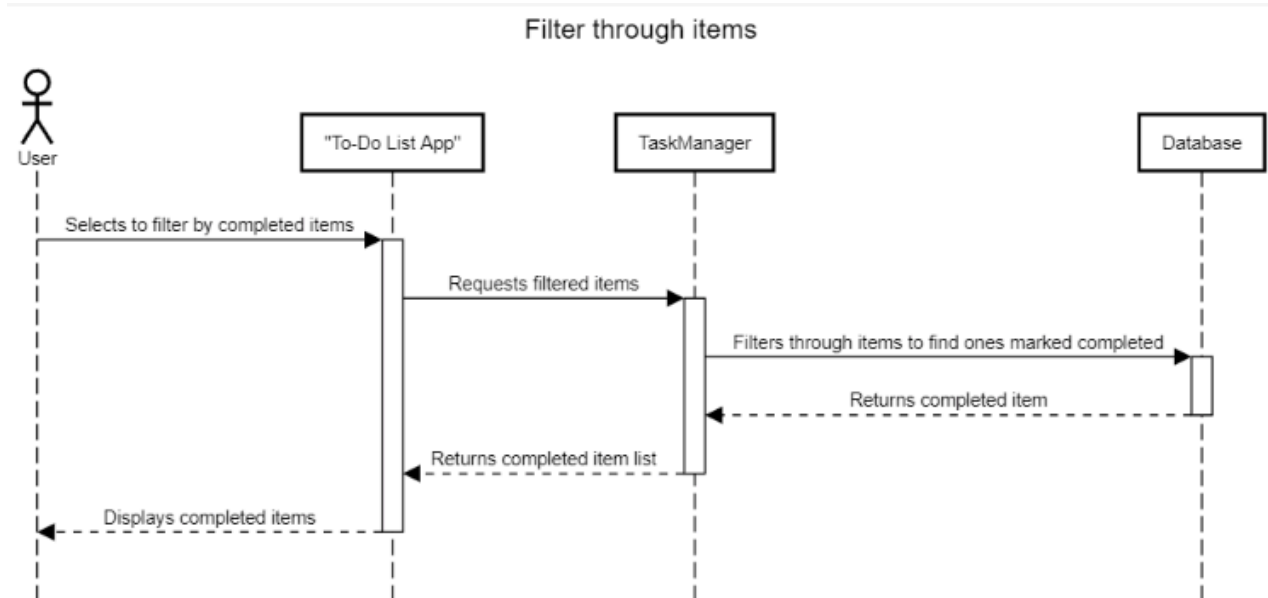
2.3. State Machine diagram for how the items would work



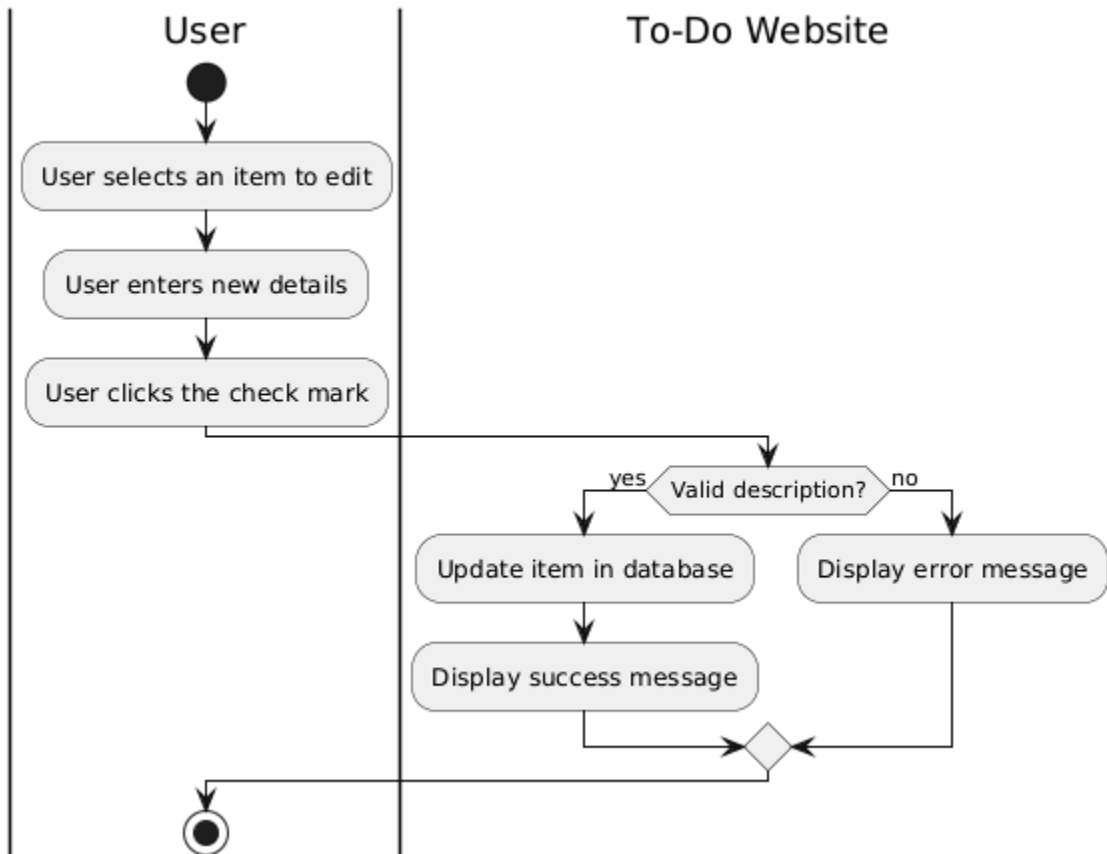
2.4. Class diagram



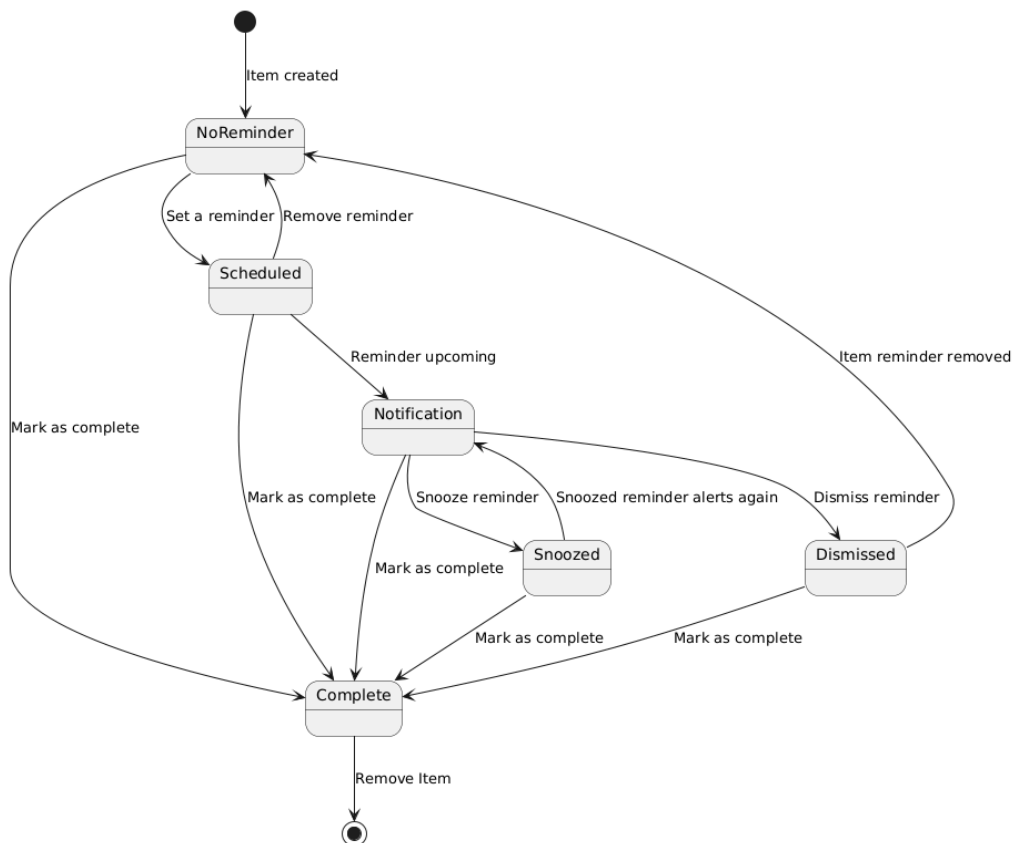
2.5. Sequence diagram #2



2.6. Activity Diagram



2.7. State Machine diagram for reminders about to-do items



3.