

Currently, my todo list has basic CRUD functionality and is able to create and delete tasks (that have a title and description), as well as mark and unmark them as completed. I was also able to use TypeScript, following [this](#) setup guide. I have also implemented RESTful API using JSON with the help of [this](#) guide. In the future, I would like to accomplish the following:

- Allow users to edit task titles and descriptions directly rather than deleting and recreating
- Implementing a login system for users to be able to save their tasks
- Add the tagging and searching system for tasks
- Fix graphical oddities (such as text breaking out of containers) and make the app look nicer in general
- Allow users to assign a date to a given task
 - Implementing a system that marks a task as “missed” if not marked completed by the date that the user has stated
- Allow users to mark a task as “repeatable/daily”, as in that even after they have marked the task as complete, the task will automatically unmark itself the following day (perhaps using a cron job to update the database every day)

So far, difficulties I have encountered include having to troubleshoot errors that arise when trying to setup the RESTful API after setting up TypeScript. There were many instances where I had to search online for a solution due to the many problems introduced by the lack of static typing in the original code.

In general, following the RESTful API tutorial while also making sure that the code follows TypeScript standards was difficult, and required a lot of searching (and trial and error) to figure out what was going wrong. However, I felt that this improved my understanding of what the code is actually doing, hopefully making progress quicker in the future.