CVWO Final Write-Up
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User Manual

<u>Customising Your Name</u>

Enter your name into the top of the to-do list, where it asks 'What's your name?' to customise the title of your to-do list! This name can be edited anytime by simply clicking on the title and entering a new name.

<u>Navigating the Website</u>

By default, the home page displays your to-do list. To navigate to the 'Tags' page, click on the blue button 'Tags'. To view your to-do list again, click on the 'List' button at the top of the tags manager page.

Home (List) Page

This page displays all your tasks in the order in which you created them, from newest to oldest. Please refer to 'Managing Tasks' for more details.

Tags Page

This page displays all the tags you have created, and organises your tasks by their tags. If a task has multiple tags, it will appear under each of the tags attached to it. Please refer to 'Managing Tags' for more details.

<u>Managing Tasks</u>

From the home page, you are able to manage your tasks.

Create New Task

Type in the description of the task in the field where it says 'Add a new task'. When you are done, press Enter. The task will be automatically added into the to-do list below.

Mark Task As Done

Click on the square checkbox on the left of the task description to mark it as done. When it is marked as done, the task will be shown with a strikethrough. To unmark it as done, just click on the checkbox again.

Edit Task

Hover over the task you wish to edit with your mouse, and a green pencil icon will appear on the right. To edit the task, click on the green pencil. When editing, you may edit both the task description and its tags.

To tag the task with multiple tags, input each tag with a comma in between and no spaces (eg. "tag1,tag2,tag3"). Please note that a tag has to exist first before a task can be tagged with it. (Please refer to 'Managing Tags' for more details on how to do so.)

When you are done editing, either click the green 'Save' button on the right, or press Enter on your keyboard. To cancel the editing, click the red 'Cancel' button.

Delete Task
Hover over the task you wish to edit with your mouse, and a red cross icon will appear on the right. Click on it to delete your task. Be careful, as this deletes your task permanently, and it will no longer show up on your list!

Managing Tags

Create New Tag
Type in the description of the tag in the field where it says 'Add a new tag'. When you are done, press Enter. The tag will be automatically added into the list of tags below. Creating a new tag allows tasks to be tagged with the new tag.

Edit Tag
Hover over the tag you wish to edit with your mouse, and a green pencil icon will appear on the right. To edit the tag, click on the green pencil. Editing a tag will also update the respective tag name on all the tasks that are tagged with it.

When you are done editing, either click the green 'Save' button on the right, or press Enter on your keyboard. To cancel the editing, click the red 'Cancel' button.

Delete Tag
Hover over the task you wish to edit with your mouse, and a red cross icon will appear on the right. Click on it to delete your tag. Be careful, as this deletes your tag permanently, and all the tasks which were tagged with it will lose that particular tag.

Reflections
Though I had completed the core functions of the application before the first deadline and had many plans to extend it, many of it unfortunately did not come to fruition.

I faced a lot of troubles deploying to Heroku, especially at the beginning as my slug size was too big. After days of searching on the internet and trying all sorts of methods for reducing the size of my repository - such as purging cache and downloading an extension to view the size of each of my files in my Github repository

- I finally managed to identify the directory which was causing my slug size to balloon, and subsequently ignored in future builds. Though it was a simple solution in the end, it took my many frustrated hours of trying to deploy the master branch without success, and it was quite disheartening. However, I finally managed to deploy it manually through Heroku.

While this was a huge accomplishment, I met yet another obstacle in migrating my database from SQLite3, which is unsupported by Heroku, to PostgreSQL. Though I intended to see through the task, despite many hours of debugging, I was eventually forced to concede for the time being as school work began to intensify. Thus, while polar-waters-09210.herokuapp.com is able to successfully deployed online right now, it is unfortunately not functional due to database issues. To be able to test it out, it would require cloning of my repository (in which I have included my database dump) and running it locally.

While this assignment may be due, I intend to continue working on the application when I find the time, as it was extremely useful in encouraging me to pick up new programming languages and frameworks independently. Though some obstacles were challenging, the time I spent mulling over them were certainly not wasted as I learned a lot from the bugs and difficulties encountered throughout the project. In particular, I gained a lot of experience and new knowledge regarding databases which I believe is crucial to my growth as a programmer (especially as a student who has yet to take a module on databases). Learning how to manage both the frontend and backend of a project is also a very rewarding, albeit challenging, experience. It is one of my first times accomplishing such a project independently outside of typical module coursework, so while it may not have been as impressive or as ambitious an application as I had set it out to be, I am still proud of my final product and hope to continue working on it as a personal project in the future to hone my skills.