

CVWO Assignment Final Write-up

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Application Name: Lovely Deadlines

GitHub Repository Link: <https://github.com/WuHaohui1231/Lovely-Deadlines>

App Website: <https://secure-wildwood-87501.herokuapp.com/>

Feelings:

About a month ago, I can never imagine I can go this far in web development by self-study, since I have literally no experience on the languages like HTML, CSS, Ruby and my knowledge on JavaScript is limited to CS1101S. Looking back, the journey I made into building the task management app “Lovely Deadlines” is full of troubles encountered, anger about unexpected errors, funny bugs, excitement after successful debug, and senses of fulfillment after making each small progress.

The feature and core of this assignment is that it’s self-driven ---- no guides, no one to help, just the cycle of trials, errors, finding solutions and learning. I suppose this is also one of the cores for our life as a programmer. I’m thankful for CVWO team to let me experience this and improve my self-learn ability in my freshman year.

At the beginning, I have no idea about what’s the structure of a web project and where to start. The terminologies and explanations are hard to understand. I spent about two weeks reading and watching tutorials before I start.

I met the difficulty of installation dependencies as soon as I started. I was stuck for about one week, during which I feel anxious and unconfident for whether I can make this assignment done. All the guides I read are missing many details. That’s the time when really wish there could be someone sitting by me, instructing me what to do step by step. I Googled and again and again. Finally, I got everything working.

Bugs are inevitable but fixable. That’s my belief as a programmer. Through this assignment my attitude to bugs somehow changed. At first, I would be very annoyed when encountering one. But now my feel is like: “Ah-ha, bug again. I knew it. Let’s fix this old friend.” After debugging, I would be praying while the page is loading: “Please work, please work...” It feels great after the bug has gone. Sometimes I would even jump out of chair and cheer loudly in my room.

Things Learnt:

1. New web development **languages** including HTML, Ruby on Rails, React.
2. **How to use command line interface efficiently and basic Unix operation.** This is the first time I use the CLI and Window Subsystem for

Linux. At first, I really hate the terminal which has such a poor interface that hard to operate. Slowly I got used to it by searching for different commands and shortcuts. Now I can perform basic commands related to web design efficiently. Operating quickly on this text-only interface really feels like being a hacker in the Hollywood films.

3. Debug techniques. By exploring on my own through out this assignment I grasp some idea about how to locate the bug, what's wrong, etc. I can now understand what bug the error messages in console or terminal are referring to more quickly. And use a mix of debugging techniques like setting console.log and checking the React component state. In addition, instead of writing long code at a time without debugging and find myself messing things up at the end, I would divide a function implementation into parts and check if each step is working.

User Manual for Lovely Deadlines

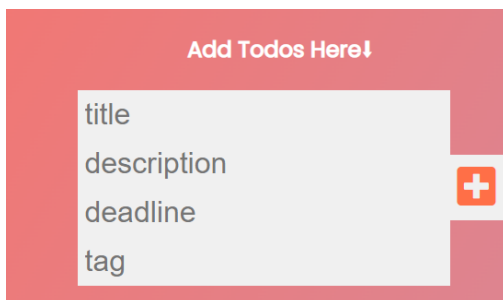
[Visit Lovely Deadlines online through this link.](#)

Setup For Local Use:

You can also have Lovely Deadlines running on your local side. Please refer to [this guide](#) to install the dependencies according to your OS. After installation, [clone this GitHub repo](#), open your terminal and move to the directory cloned, run `rails s`, then visit `localhost: 3000` in your browser.

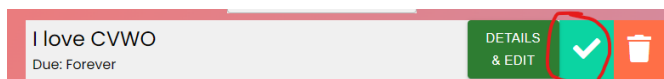
Guide:

1. Create new to-do:



Type the information in the form and click the plus button on the right-hand side. Once clicked, you will see your new to-do added.

2. Mark a to-do as completed or uncompleted:



Click the tick button to mark a to-do as completed. A window will pop up to congratulate your completion. To mark as uncompleted, click tick again.

3. See details and Edit to-do:

Click Details & Edit button, then you will be redirected to a page where you can see the details of your to-do like below.

I love CVWO

Title *
I love CVWO

Description
CVWO is great

Deadline
Forever

Tag
important

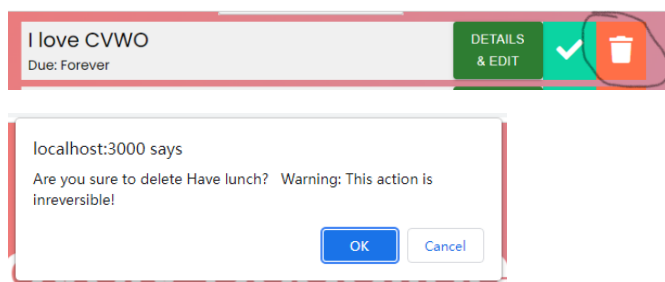
UPDATE

DISCARD CHANGE AND GO BACK TO MAIN PAGE

Simply click on the text bar to edit the information of your to-do, then click “Update” to save the change. Then you can click “Discard change and go back to main page” to navigate back to to-do list. Don’t worry about “Discard”, you update had been saved.

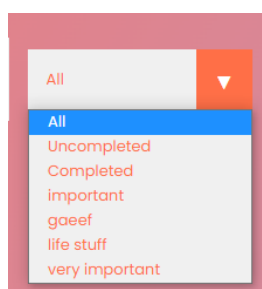
Or you can click “Discard change and go back to main page” to discard the edit you haven’t saved and go back to the to-do list page.

4.Delete to-do:



Click the trash button. Then a confirmation window will pop out. Click “OK” to delete the to-do. Or Click cancel to cancel deletion.

5.Tag System



Under “Filter” click the arrow and select a tag. Then all to-dos with the tag will be displayed. You can also use this to see the uncompleted or completed to-dos.

6.Search for to-dos

Search Todo

Enter the key word you want to search for to-dos. You can use all the information including title, description, deadline and tag to search. Then Lovely Deadlines will display the matching to-dos.