

CVWO Winter Assignment Final Submission Write-up

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GitHub Repository:

<https://github.com/eksinyue/cvwo-todolist-xinyue>

Reflection on accomplishing the assignment

As a first year CS student relatively new to programming, embarking on this project was a very challenging yet rewarding experience for me. The tools used in this project were new to me and all in all, attempting this assignment has been a fruitful learning experience. I learnt a lot of useful concepts such as MVC pattern also how to use some common web development tools (such as Ruby on Rails and React).

Throughout the project, I was very intrigued by the web application development process and really enjoyed every step of this journey. Due to my lack of experience, I spent a rather long time learning how to use most of the tools. Another notable mention is Codecademy, which has been extremely useful when I started learning Ruby, React, HTML, Git, etc. I also realised the importance to build a strong foundation before starting on the actual project, as some of the obstacles faced in building the app stems from the lack of familiarity with the tools used.

I believe that theory and practical knowledge goes hand in hand and I am glad that attempting this assignment has enabled me to make productive use of my winter holiday, and also equipped me with additional practical knowledge that may come in handy in the future. For example, the knowledge I have gained on Ruby on Rails and html has been tremendously useful in a project that I am currently working on (CP3108) where my team was asked to replace the complicated rails system that translates xml files into html with JavaScript.

Initially, I hoped to have been able to deploy the website online, however, I was unable to resolve the errors when running the application on production mode locally. Nonetheless, working on this project has been very rewarding and it has been a great learning opportunity which I am grateful for.

Short user manual:

- Todo-List
 - Each todo item consists of title, due date, description, type and if it has been done.
 - CREATE - Click on the “+” button to add a new to do item
 - Todo title MUST be filled otherwise a warning message will be shown and todo is unable to be saved.
 - READ - Click on any todo item in the list to display its detail.
 - EDIT – Click on the “✎” to edit the details / mark it as done.
 - DELETE - Click on the “✕” button to delete a todo item
- Search bar
 - Search by title, description, type or due date by typing the relevant information inside the search bar
 - Sort todo items in the list by its due date / created date (by default) by clicking on the relevant buttons.

Proof of working application:

To run the programme on local machine:

Clone or Download the repository from Github

run “yarn -skip-integrity-check”

run “rails db:migrate” & “rails db:seed”

run “rails s”

open <http://localhost:3000> in browser to view the website locally