

## CVWO Assignment 2023: Web Forum

### Project Locations:

<https://github.com/purivirakaran/cvwo-asssignment-2023>

### Github Directory Plan (to be updated)

client (Frontend)

src

pages (each page design folder)

components (components to be used in pages)

server (Backend)

docs (Additional documentations)

### Overview of tools

Frontend: React.js (on TypeScript)

Backend: GoLang with MySQL

Additional Tools: Yarn, Mantine

### What I have learned and played with during this december

- React.js, Next.js basic
- JavaScript, TypeScript
- Mantine, Tailwind
- Go, Rails
- Figma
- React routing, useful hooks and components

### Plans

First half of January : Implement and finalize frontend (pages, website structure)

Last half of January : Implement backend, add more features, and deploy the website

### Basic Features

CRUD (Create, read, update and delete)

- C: create posts/comments
- R: show posts/comments
- U: update posts/comments
- D: delete posts/comments

Simple authentication system

Tagging system

Typescript

### Features to be added (if possible)

Upvote/downvote feature

### Use Cases

Post a new forum

- Existing users

Click the button “new post” and will be redirected to the next page.

Fill the post title, details, and the tag, then click the “post” button.

#### Delete a forum

- Post owner

Click the post to be deleted, then click “delete” button and “confirm” button in the pop-up menu

#### Modify a forum

- Post owner

Click the post to be modified, then click “edit” button.

Edit the post title, details, and the tag, then click the “edit” button.

#### Comment an forum

- Existing users

Select the post to be commented by clicking on it.

Fill the comments and click the “comment” button.

#### Delete a comment

- Post owner

Click the post and comment be deleted, then click “delete” button and “confirm” button in the pop-up menu

#### Modify a comment

- Post owner

Click the post and comment to be modified, then click “edit” button.

Edit the comment details, then click the “edit” button.

#### Login to the website

- Existing users

Click the “login” button and will be redirected to the user/password page

Fill the username and password, then click the “login” button.

#### Sign up for a new account

- New users

Click the “login” button and will be redirected to the create user/password page

Fill the new username and password, then click the “register” button.

#### Filter the forum

- Existing users

Select the tag of posts to be display by clicking on the tag button (default is the “all” tag)

#### Sort the forum

- Existing users

Click the sort drop-down menu and select the option, recent/most comment.

Select the ascending/descending option

#### Log out from the account

- Existing user

Click the the “log out” button, then click “confirm” button.