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CVWO Assignment 2023: Web Forum

Project Locations:
https://github.com/purivirakarin/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: Goalng 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   : Imprement and finalize frontend (pages, website structure)
Last half of January   : Imprement 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)
Like/Dislike feature

Use Cases
Post a new forum
- Existing users
Click the button "new post" and will be redicted 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.