

User Guide

IMPORTANT NOTE: Cookies must be enabled for the deployed version to work. This is because JWTs are stored in cookies and they serve as access to most pages.

To access the deployed version of the webapp, [Click Here](https://frontend-2w5ghaldaq-as.a.run.app)
(<https://frontend-2w5ghaldaq-as.a.run.app>)

To set-up locally:

1. Download the files from github.com/lamchenghouu/cca-forum as a `.zip` file. Unzip it and open both `react-forum-local` and `nus-cca-forum-backend-local` in an IDE of your choice. (I use Visual Studio Code)
2. On the frontend, run `npm install` in the Terminal.
3. Backend is set to run on port `3004` (you may edit this in `main.go`) while the front end will run on port `3000` while accessing the database on `Axios` via port `3004`. (you may edit this in `index.tsx`)
4. To host the database locally, use software like `MySQL Workbench 5.0`. Connect to an instance of `MySQL`. You will likely encounter a username and password authentication. Personally, I used `root` as my username and `sushi15theb3st_1!` as my password. Your username and password might differ so please edit the following line `gorm.Open(mysql.Open("root:sushi15theb3st_1!@nus-cca-forum"), &gorm.Config{})` in `database/database.go` accordingly.
5. Open `MySQL Workbench` and create a new schema named `nus-cca-forum`, then go to the top Menu > Server > Data Import > Import from Disk. Select `Import from Dump Project Folder` and select the `dump` folder (containing `.sql` database file) found in my repository. It should say import is successful. Check that the tables are populated.
6. If you encounter any issues with this, please contact me as I've tested it on my device. Or, you can use the deployed web version.
7. Next, run `go run main.go` or `go run .` in the VSCode Terminal (where backend is opened). Wait for the `Fiber` output to show up and run `npm start` on the VSCode Terminal (where frontend is opened).

The webapp is pretty user-friendly as we use many similar features on other apps on a day-to-day basis. Here is a quick guide:

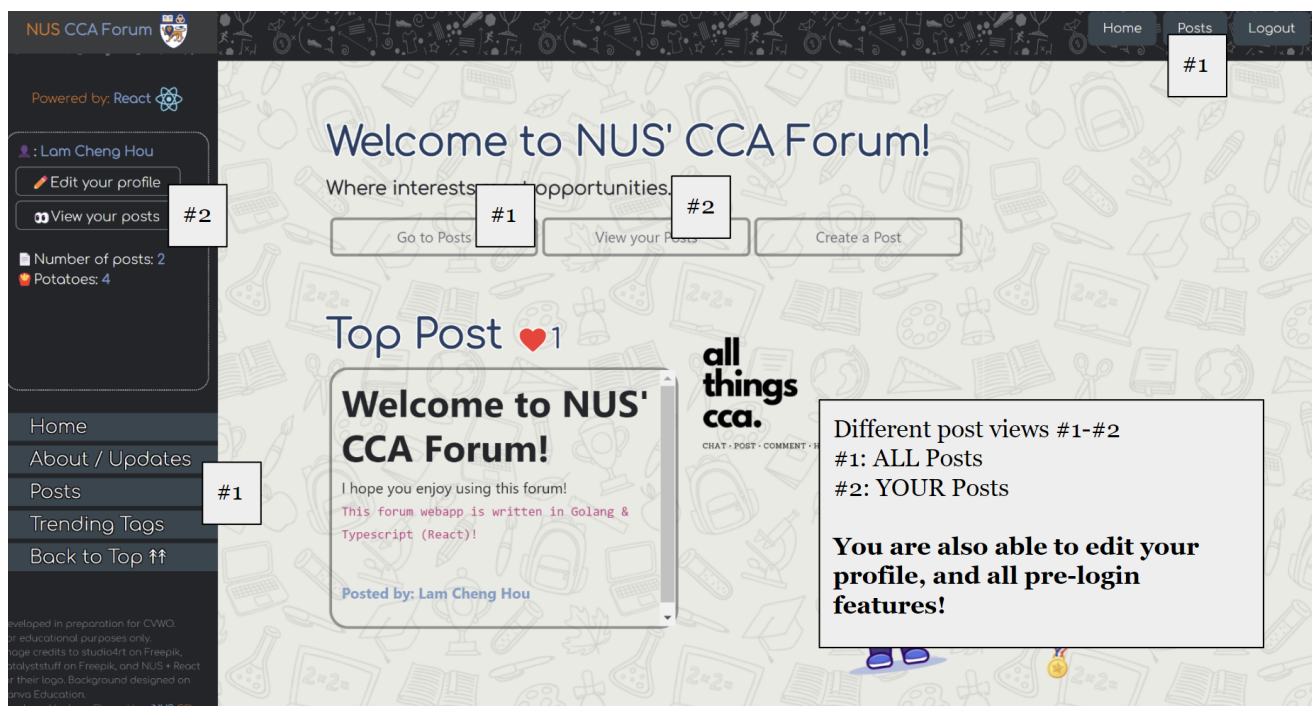
***REMEMBER TO ENABLE COOKIES / USE A LAPTOP (if using deployed version)**



Login, Registering, Access Control/Restriction pre-login, Trending Tags, Top Post, Profile disabling, 'Dynamic' buttons*

When logged out, you can test the restriction feature. Try accessing `localhost:3000/editprofile` or `https://frontend-2w5qhaldaq-as.a.run.app/editprofile` (if using deployed version), and you will see that access is blocked.

Once registered, log in.



Homepage

let's discuss!

Create Post

ALL Threads:

home button!

NUS CCA Forum

Sorting functions and page functions!

Sort by...

Previous

Next

ID	Content		#3 of Post Views: Tags	h Posts by Tag
4	Blah blah	Posted by: Potato Tag: jiaouuuu	Like Comment 0	View Comments Go to Post
2	Hello, this is a test.	Posted by: Simon Says Tag: main	Like Comment 1	View Comments Go to Post
1	Welcome to NUS' CCA Forum! I hope you enjoy using this forum! This forum webapp is written in Golang & Typescript (React)!	Posted by: Lam Cheng Hou Tag: main	Edit Delete Like Comment 3	View Comments Go to Post

Content can be clicked on to direct to Individual Post Pages

These are your edit, delete, like, comment CRUD features. Do play around with them :)

PostDisplay.tsx

Clicking on each individual pots page will bring you to:

NUS CCA Forum

Powered by React

: Lam Cheng Hou
 Edit your profile
 View your posts
 Number of posts: 1
 Potatoes: 2

Home
 About / Updates
 Posts
 Trending Tags
 Back to Top

developed in preparation for CWO,
 or educational purposes only.
 huge credits to student411 on FreePik,
 stylzstuf on FreePik, and NUS + React
 or their logo. Background designed on
 onva Education.
 developed by Lam Cheng Hou NUS CS

Home Posts Logout

Go back to Posts

Welcome to NUS' CCA Forum!
 I hope you enjoy using this forum!
 This forum webapp is written in Golang & Typescript (React)!

**All features are the same!
 Just a larger and more
 spaced out view!
 + a dedicated comment box!**

Posted by: Lam Cheng Hou
 Edit Delete Like Comment
 3

Enter your comment here (markdown supported).
 Comment

User	Comment	
Lam Cheng Hou	Wow!	Edit Delete
Lam Cheng Hou	I am sleep deprived	Edit Delete

You will come across many forms that look like such:

some fields are required, some fields have range checks, almost all fiels have presence check

Create Post

Markdown Supported

Content

Tag

Submit

Update your post

Markdown Supported

Content

Badminton Team recruiting

Update your profile

Go to Home

Username:
 Lam Cheng Hou

Security Gns:
 What is your sem1 GPA?

Security Ans: ☐ Show Answer
 Optional

For security purposes, you are unable to
 view your previous answers.

Update

Reset Password

Additional notable features include:

- Post liking & sorting by posts / likes
- Trending tags (left side bar)
- Data validation (can be improved though!)
- I also tried to make the UI look nice for ~half a laptop screen size, but fullscreen looks best!

Thank you. Have a great semester ahead. :)