

CVWO Assignment: Kosolpattanadurong Thitiwat

Project Name: ThreadKeep 🎯

Description: Your personal archive for online conversations.

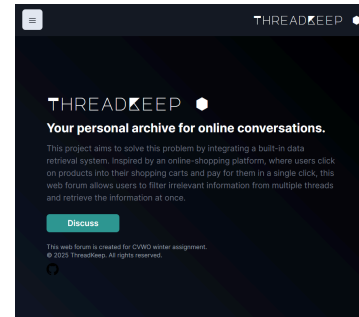
Deployment link: <https://threadkeep-frontend.vercel.app/>

Frontend repository:

<https://github.com/CATISNOTSODIUM/threadkeep-frontend>

Backend repository:

<https://github.com/CATISNOTSODIUM/threadkeep-backend>



1. Final writeup

First and foremost, I would like to extend my sincere thanks to the CVWO committee who offers the invaluable opportunity to embrace myself through web development frameworks within two months. It has helped me learn essential programming concepts and become familiar with web development frameworks step by step throughout the guide. To be honest, grinding through this assignment was initially daunting and mind-blocking. Those can be surpassed by the excitement to grasp new concepts from practical experience.

In the end, it's actually worth it! ♥ *Phew* ...

Nonetheless, I would like to acknowledge the assistance of all online tutorials such as Net Ninja, Fireship, and Web Dev Simplified who provided helpful tutorials throughout this assignment. Also, thank you to the DataCamp course for helping me grasp the basic ideas of working with SQL. Special thanks to Stack Overflow for giving me ingenious suggestions on writing good-practice code.

Finally, I would like to express special thanks to all of the CS seniors who recommended this program for relentlessly giving support and helpful advice. Also, special thanks to NUS School of Computing for offering this opportunity and keeping me busy during the winter break. This break would not have been as interesting without this assignment

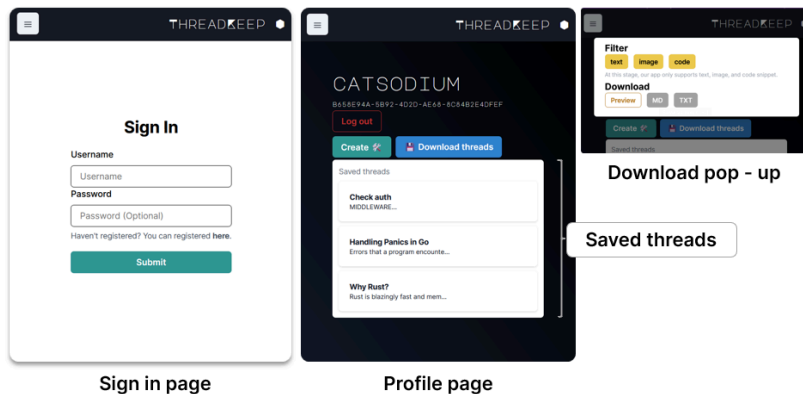
2. User guide

ThreadKeep is designed to be easy to use, with complete CRUD operation and its ability to save threads and retrieve information from them. Here is the basic user guide.

2.1 Account Registration

After visiting the landing page, click on the [Sign In / Register](#) button to sign in or create a new account. If you're new to ThreadKeep, this web forum authenticates users based solely on their usernames. You can optionally enter a password for added security. After you have signed in, you will be redirected to </threads> page.

To log out, just simply click log out at the </profile> page or your sidebar. To toggle the sidebar, simply click on the left border of your screen.



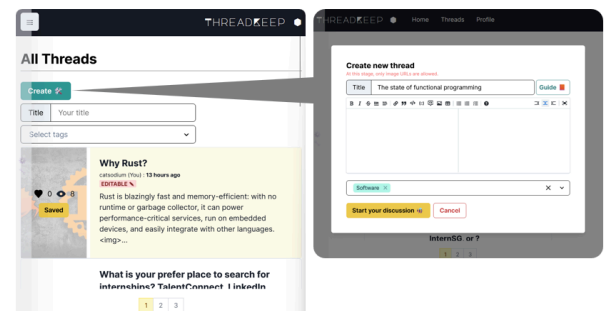
Our application uses JWT token for authentication and sending API calls to the backend server. Hence, it is important to sign in before viewing other pages.

2.2 Thread and comment management

2.2.1 Create new thread and comments

To create a new thread, simply click the create button. Each thread requires a title and a description.

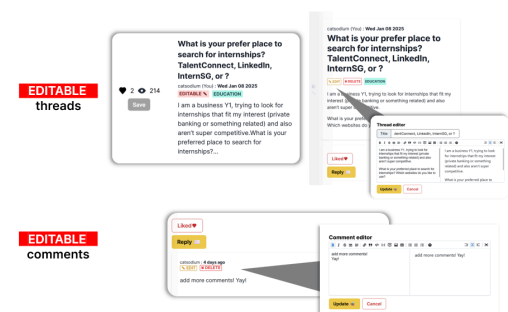
- **Title:** A concise and informative name for your thread.
- **Description:** A more detailed explanation of the topic or discussion you're starting. This provides context for other users. While the description text field is supported by markdown, **LaTeX** has not yet been supported.
- **Optional Tags:** You can also add tags to your thread to categorize it and make it easier for others to find. Tags are optional, but they can be very helpful in organizing and discovering relevant discussions.



Comments are added in the similar way with threads. While the text field is supported by markdown, **LaTeX** has not yet been supported.

2.2.2 Update threads and comments

To update **your** thread, Find the thread you wish to update within the </thread> page. Note that **only threads with the edit icon can be modified**. Then, click into the thread card you wish to edit, look for an **Edit** button and make your



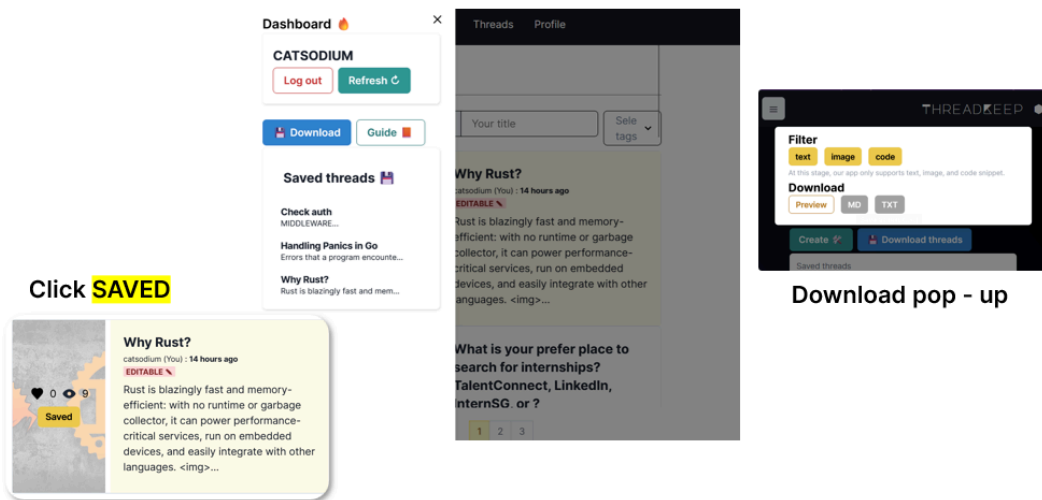
changes. **You cannot edit other people's threads.** Comments are edited in the similar way with threads.

2.2.3 Finding Threads

You can use the search filters to filter the thread with desired title and tags. Note that the capitalized alphabets do not affect the search result.

2.2.4 Saving Threads

To save the thread, just simply click the **save** button in the `/thread` page. Your saved thread will be shown in your sidebar and your profile page. To toggle the sidebar, simply click on the left border of your screen. Here, you'll find the tool button and your saved threads.



2.3 Data retrieval system

Data retrieval can be accessed through your sidebar or your profile page. To toggle the sidebar, simply click on the left border of your screen. Here, you'll find the tool button and your saved threads. By toggling the tool button, you can filter the type of information you want to retrieve. Currently, our application supports three filters: text, image, and code snippets. You can click "Preview" to check your filtered data before saving it to your device. You have the option to save the data as a markdown file (.md) or a text file (.txt). If you save more than one thread, you can reorder the output by swapping their positions in the display list. Make sure to refresh after saving/unsaving new threads (from the `/threads` page).

Persisting issues

Cannot retrieve data from database: This error occurs when the frontend cannot fetch data from the backend. This is due to several reasons.

- Missing JWT Token: I'd recommend you to log out from the forum and sign in again.
- Database server is down: please check your database according to your `DATABASE_URL`

End of user guide