



Enterprise Web Software Development

COMP1640

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Link code:

Github: <https://github.com/VUONGMYCHAU942/Web-Enterprise>

Database using MongoDB Atlas :

<https://cloud.mongodb.com/v2/643d4d60de358e0820b64a78#/clusters>

Need Login Google Account:

- Email: webenterprise2023@gmail.com
- Pass: Abc@abc123

Group Member and Role

No	Each member's name	Role
1	Chau Vuong	BackEnd
2	Ha Tran	FrontEnd
3	Tuan Pham	FrontEnd

I. Introduction

- The topic asks to create a website to collect user opinions, which includes all student work, school staff, and students. And to be able to evaluate the product objectively by users and evaluate the products made by team members, here are a few criteria that we evaluate

II. Evaluation of Product and Team

1/ Overview

Criterion 1: Does the website perform effectively and meet the user's requirements?

Criterion 2: Website speed must run stably, because if users wait when they need it urgently, they don't need to wait too long

Criterion 3: The interface of the website must be suitable for the user and suitable for the environment in which we design the website

Role	Username	Password
Manager	fxbite	greenwichvn@123
Coordinator	tango	greenwichvn@123
staff	charlie	greenwichvn@123

2. User Interface

For this interface we use skin color so that users feel the lightness when looking at the website and in the upper right corner of the screen there is a counselor ready there to help, this helps users feel. get help

a. Login Page

- This is the first website when you have just visited the website here (Manager only one person has access to our website). All have been divided into login roles, all have their own assigned accounts and passwords. So when logging in, you need to log in with the correct account and password

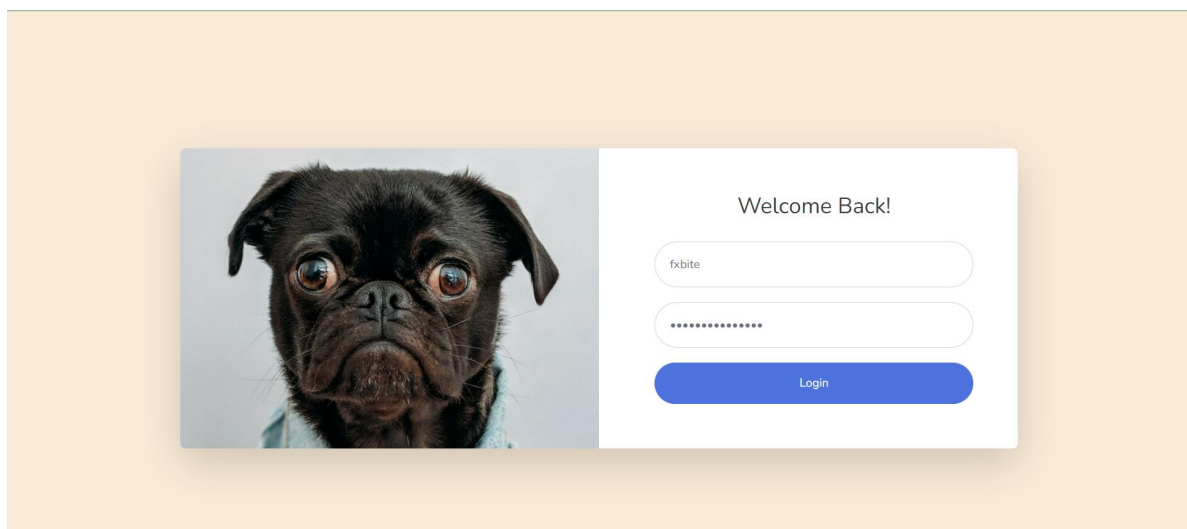


Fig 1: Login in Manager

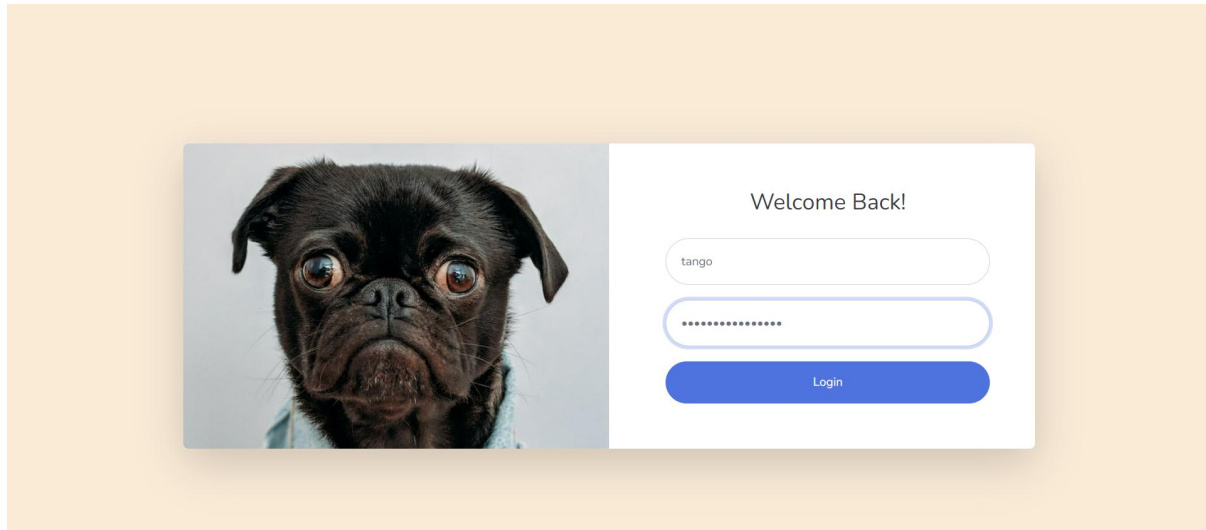


Fig 2: Login in Coordinitor

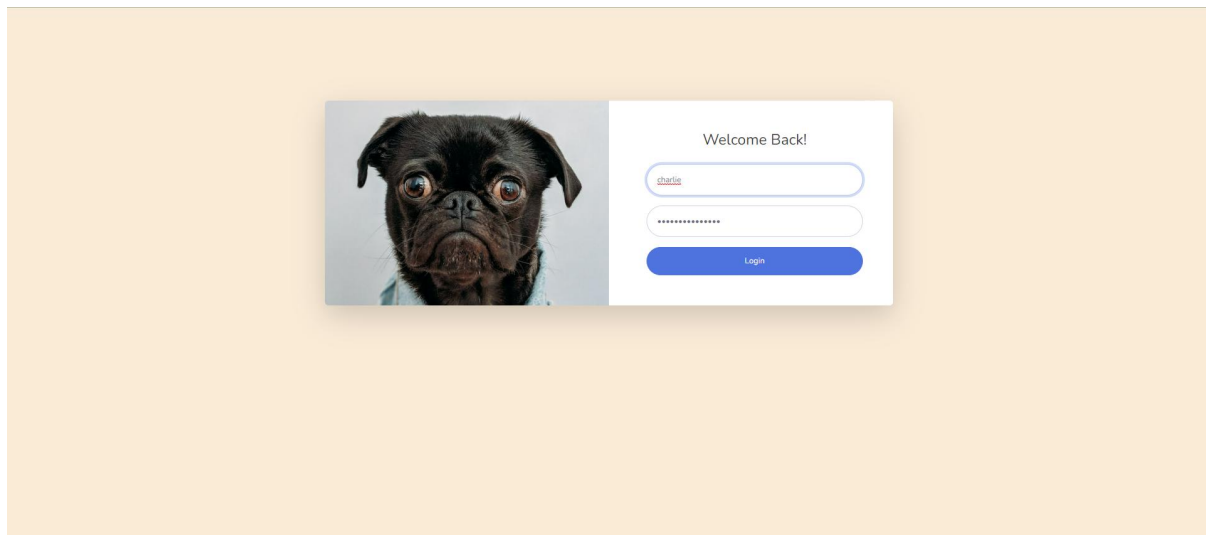


Fig 3: Login in Staff

a. Homepage

When the user successfully login to the site they will get the web page with a dashboard like the month of archived comments.

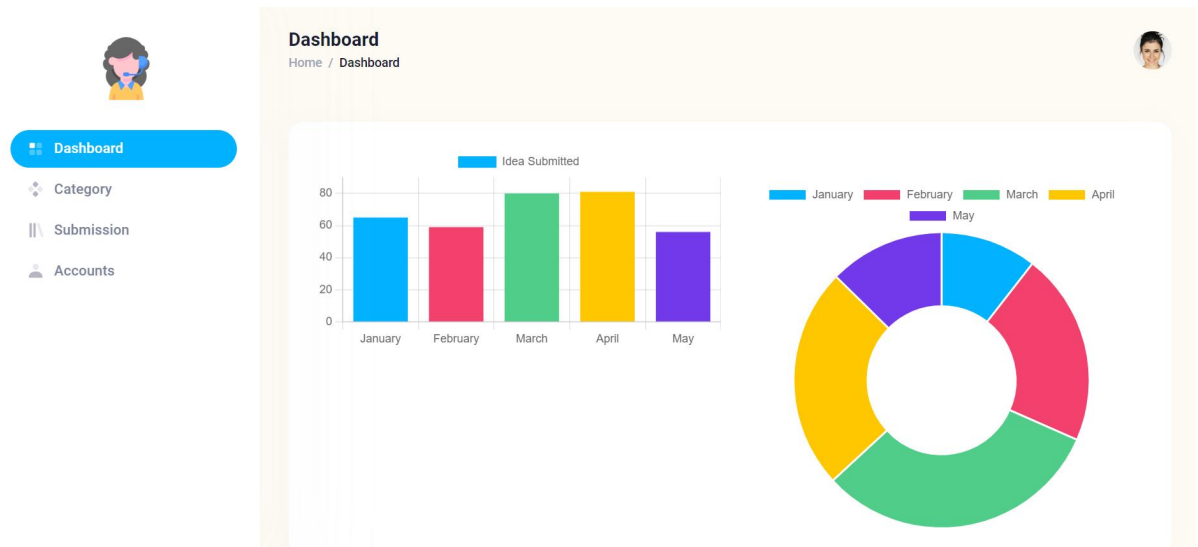


Fig 4: Dashboard in Manager

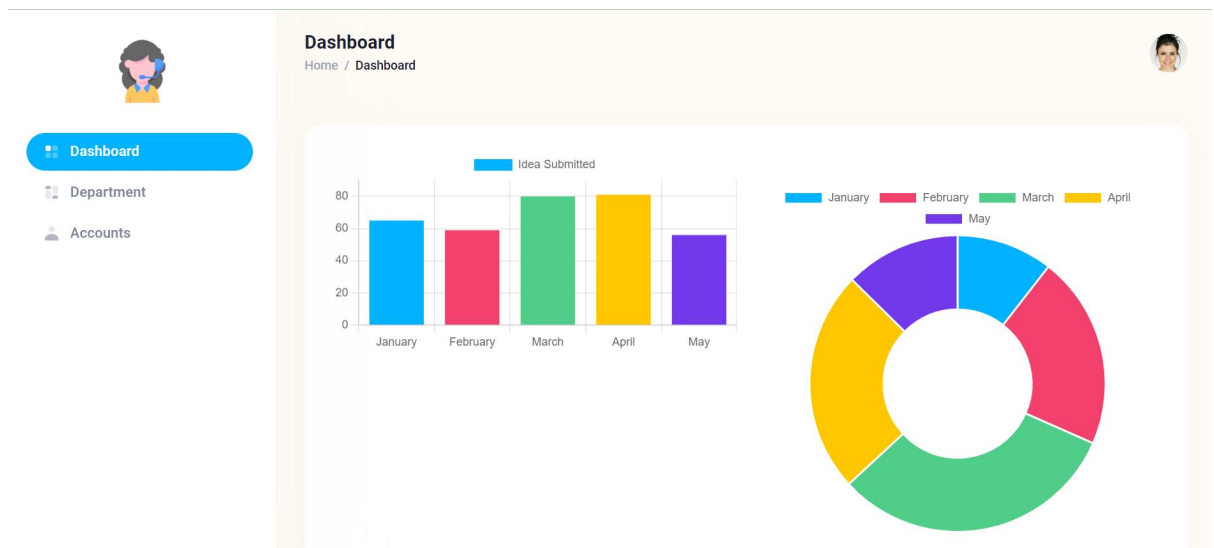


Fig 5: Dashboard in Coordinator

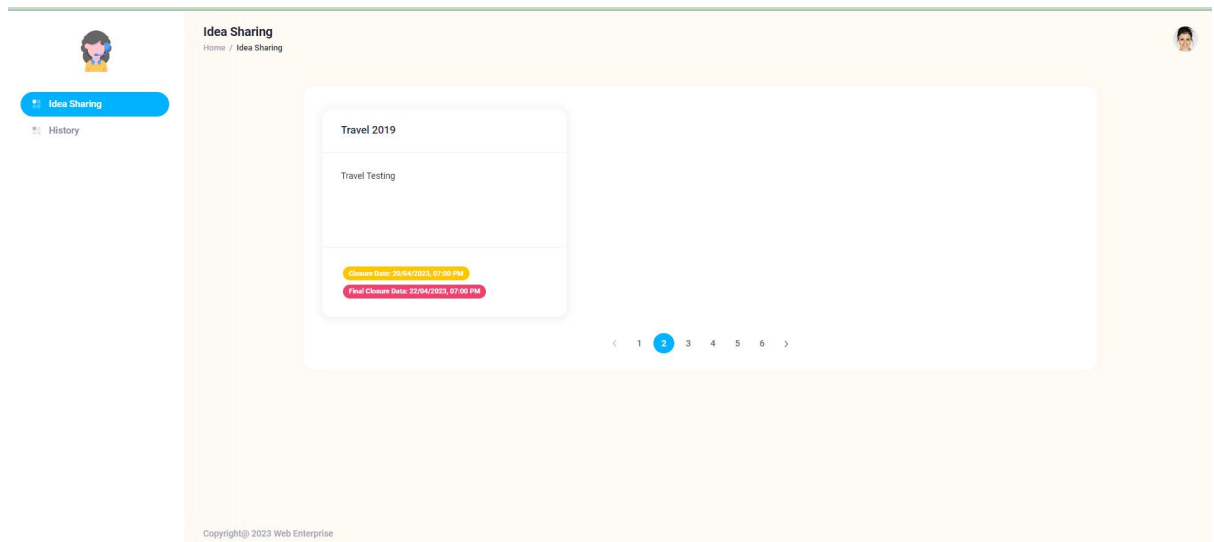


Fig 6: This section of the coordinator has more changes than the right on this section to display the requested comments

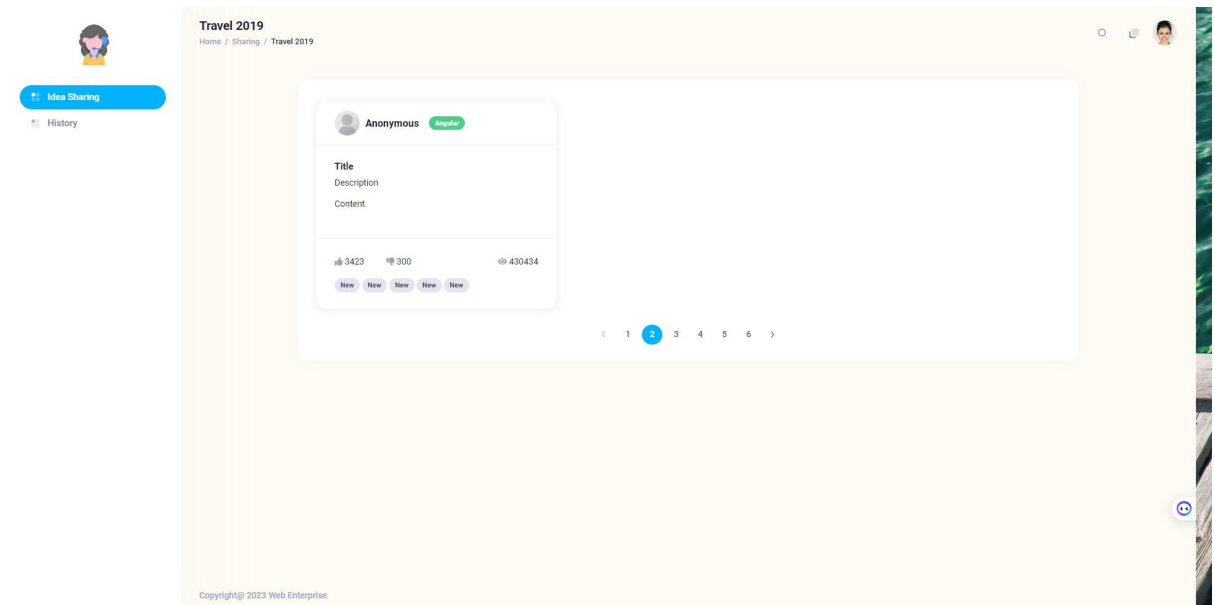


Fig 7 : Button like and dislinke idea in staff

b. Category

In the list section, comments and parts are displayed and there are correction and deletion functions, to avoid giving wrong opinions or writing wrong parts.

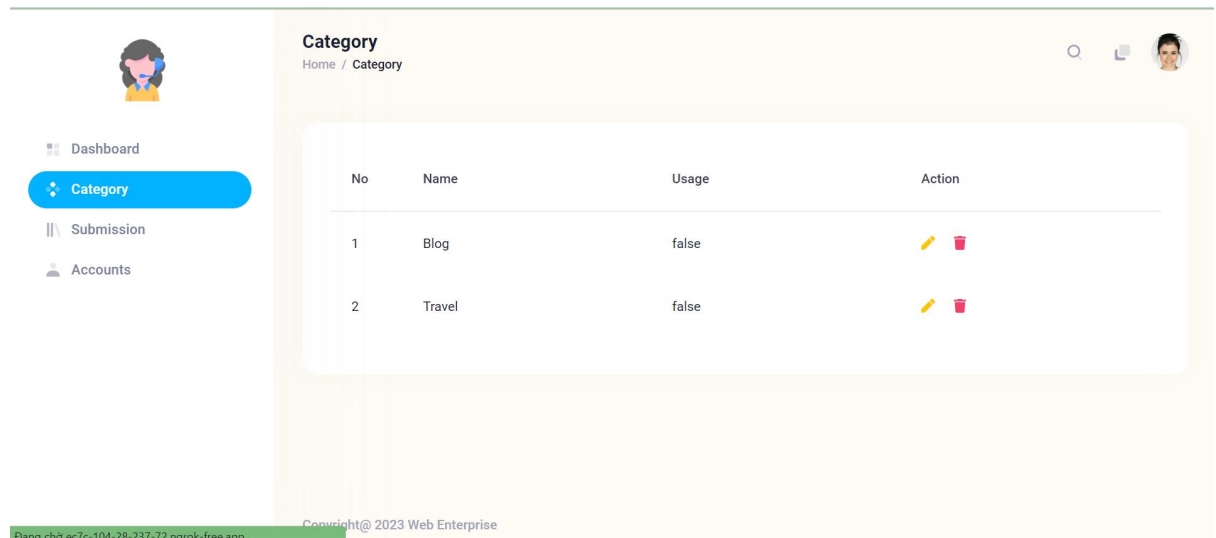


Fig 8: Category in Manager

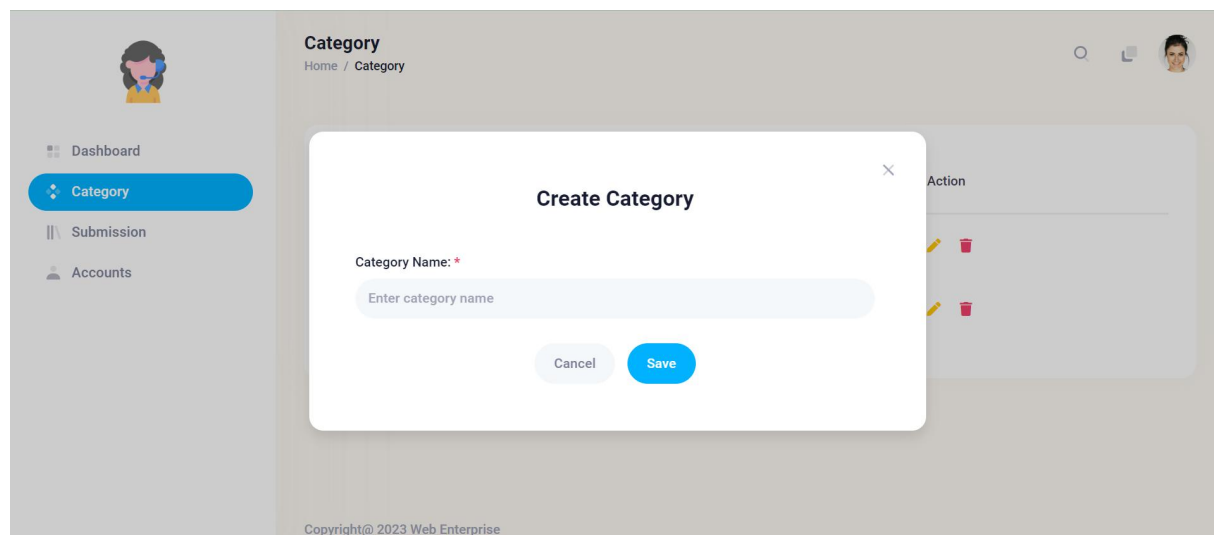


Fig 9: Create Category in Manager

c. Department

- With this department you can see more information than the category but still can't see more information like the Manager

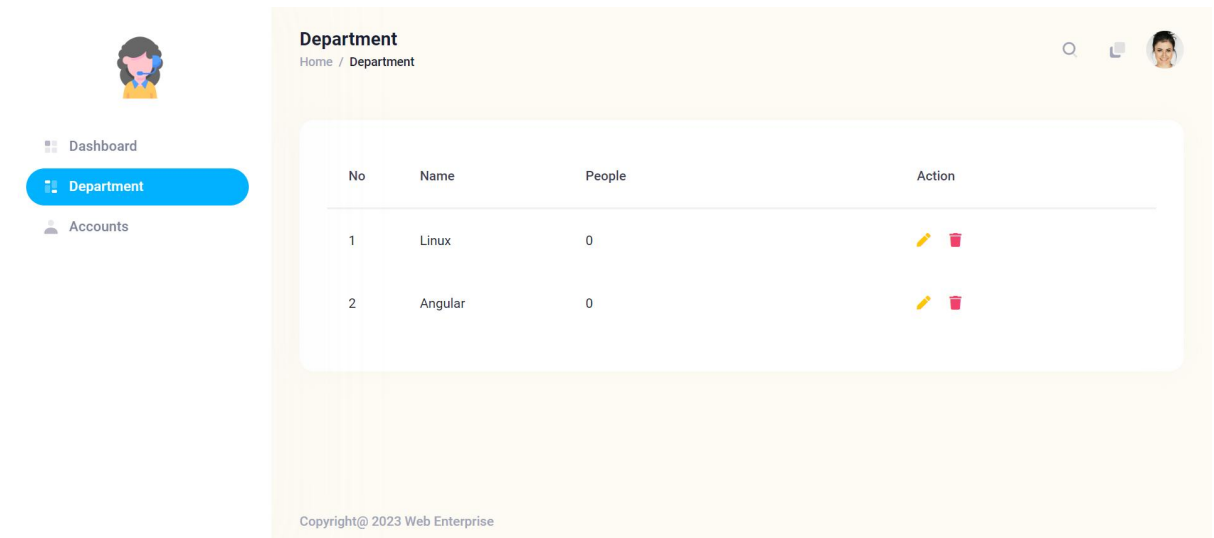


Fig 10 :Department in Coordinator

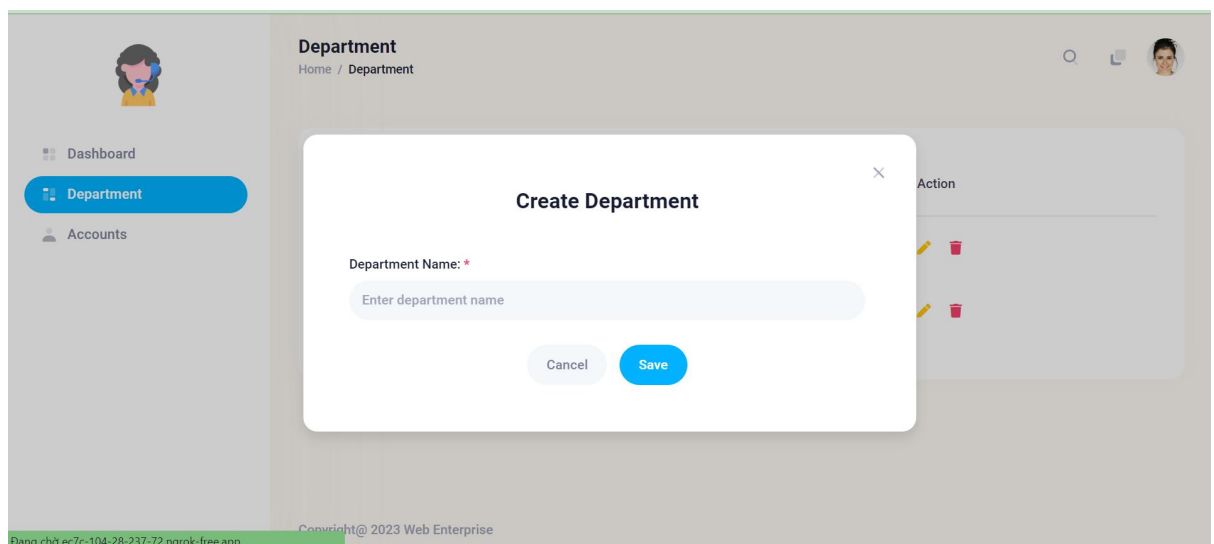


Fig 11: Create Department

d. Submission

- For this section only the Manager can see and here shows the subject, the opinion document, the submission date and the due date it may not let you submit any more comments if the time is up.

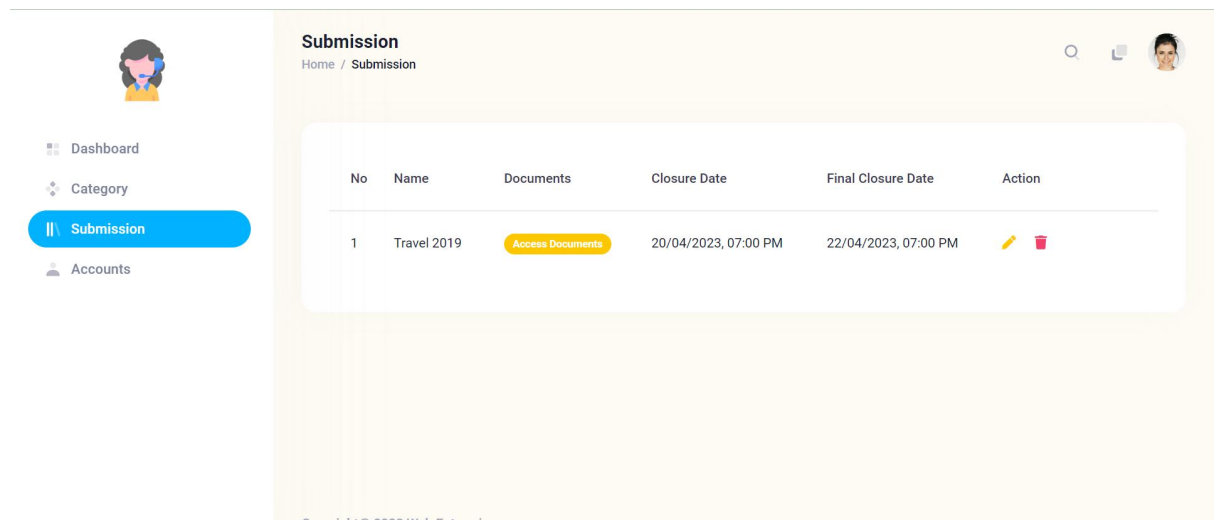


Fig 12: Submission in Manager

f. Logout and Account

- In this section, when the Manager clicks on the account, it will display name and position information and a toolbar to edit and delete. Besides, when the manager wants to log out, he can click and log out of the site

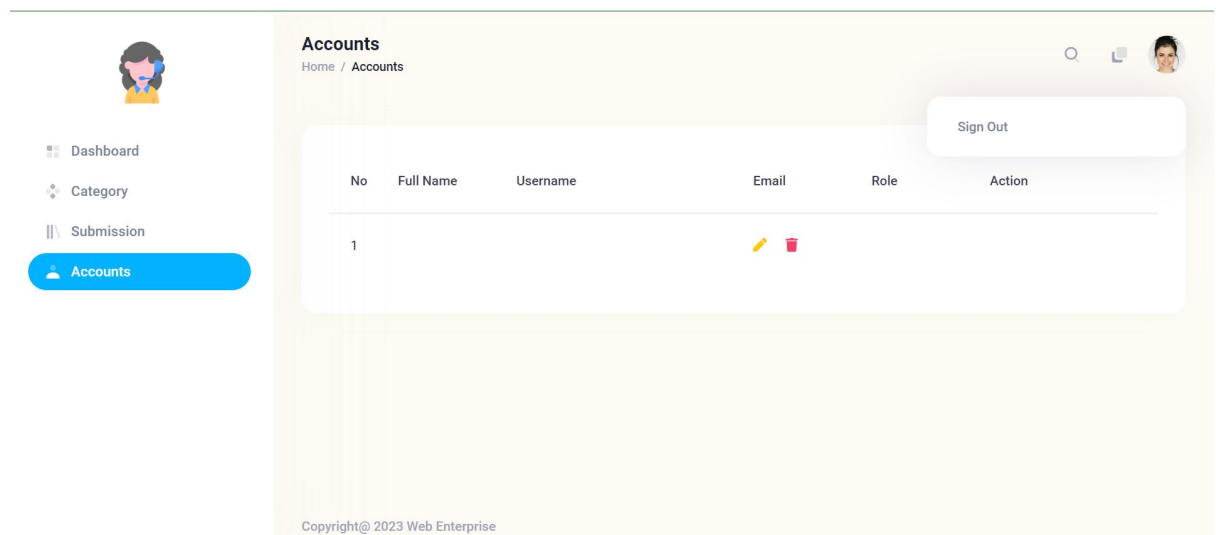


Fig 13: Accounts and Logout in Manager

e. Create Account

- In this section you can create another account in the upper right corner of the screen

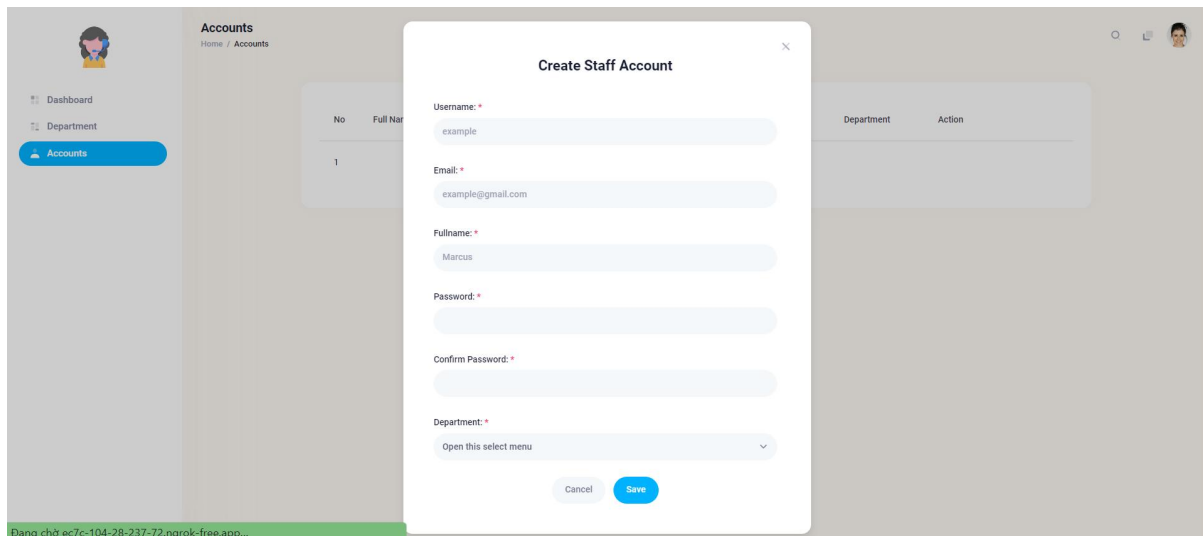


Fig 14: Create account in coordinator

My review of the system's UI function:

Criteria	Score
Reliability	8/10
UI Design	9/10
Maintenance	7/10
System Performance	10/10
Handle Erro	6/10
User Authorization	8/10
Content	9/10

3. BackEnd

We developed on the MEN Stack, which is a mix of MongoDB, ExpressJS, and NodeJS (Backend) and is connected to the JavaScript programming language. This system is constructed using the JavaScript programming language. The MVC pattern is an exceptionally widespread approach for website development. We will develop APIs based on common methods (GET, PUT, PATCH, DELETE) with this Backend system, and the APIs will be kept

individually in the Routes folder and will be primarily placed in the endpoint. Management will find it useful.

First, when a user enters the system, the application saves the SessionStorage in the browser's local storage so that users can use it to login whenever they need to save. This session will also assist the system in determining the permissions with which the user will log on. The second issue is that the password has been hashed by us using a technology called Bcrypt to safeguard the safety of all users in the system, so even if we can access the database, we still cannot obtain the password. This will make consumers feel more safe when interacting with the system, consequently making them feel more secure. can guard against unauthorized access

Evaluation of the backend system in the system:

Criteria	Score
Deployment	7/10
Clean Code	8/10
Manage Role	9/10
Full system	10/10
Security	8/10
Handling Database	9/10
Handling Error	10/10

4. Scrum Model

In this project I use Scrum because it is convenient to make this model group repeatable and works quickly and flexibly. Because to make it easier I use Trello so my team can get things done better and it's easier to use to divide the work for each member

An evaluation of Scrum in our project:

Criteria	Score
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Tools for agile (Trello)	10/10
Planning	10/10
Document	9/10
Product Backlog	8/10
Agile	10/10
Sprint Review	9/10

III. Evaluation of Team Member

1/ Evaluation of Team ability

I will rate the members' achievements on a scale of 1 to 10

Criteria	Chau	Ha	Tuan
Agile	7	10	8
Planning	8	9	9
Technical Skill	9	8	7
Communication	10	7	10
Independence	9	9	7
Reliability	8	8	7
Total	51	51	48

2. Evaluation of Individual

Ha : She is in charge of Front End and Tester she works very professionally and creates new things for the design of the website interface she loves new functions and perfections

Tuan : he is in charge of the FrontEnd aspect, he works in a team very seriously and always completes the assigned tasks. He also has great ideas in creating products

IV. Self-evaluation

- In this part of the project, I work on the Backend, so it's quite difficult because this is my first time doing Backend because so far I have only been interested in FrontEnd when I was assigned to do Backend, I was a bit nervous and excited. When I can understand more other programming languages, and know more about Backend's work, I feel very interested in it. After completing this course I will look to register for more courses on Backend. Backend

V. Conclusion

Our group tried very hard to complete the assigned work, initially there were more than 3 members, but the rest of you were irresponsible, so we didn't work, so we had to work more quickly, so there was a problem. Proposal submitted late. But now the project has also been completed well through this, I have more lessons on teamwork as well as more useful and interesting knowledge.