User Guide

Communication of Capstone Blackboard Announcement-Student side

& Teaching Team side

Version: 1.0

Revision History

version	Revisor	Date	Content
1.0	Fangdong Li	2022/10/31	Initial version.

Table 0-1

Table of Contents

Chapter 1 Introduction

1.1 Compilation Purpose

This document is written for assisting the stakeholders (Teaching Team and Student) in QUT Capstone unit to use the new communication board in Blackboard website.

1.2 Project Background

Project source: QUT Capstone Unit.
Client (Rank alphabetically): Dr. Alessandro Soro & Dr. Shailesh Palekar of Capstone unit.
Developer: Team-Venture People in Capstone Unit.

1.3 Scope

Applicable Scope: User Register, User Login, Announcement Edition, Comment for Announcement, User Profile & Administration Management, etc.
User Scope: Teaching Team and Student of QUT Capstone unit.
Version: 1.0.

1.4 Definition of Nouns

QUT: Queensland University of Technology.
Teaching Team user: The Teaching Team of Capstone unit, which represents the admin user of this system.
Student user: The Student of Capstone unit, which represents the non-admin user of this system.

1.5 References

● Fangdong Li. (2022/10/25). *Artifact Agreement,1.5*. Team Venture People.

Chapter 2 Summary

2.1 Application Documentation

There are two kinds of users of the application that he basic functions of the application include registration, login, profile management, announcement viewing, comment release and deletion and emoji reaction, etc. In addition, for Teaching Team user, the application also provides such functions as announcement editing, account and comment management, and setting sensitive words, etc.

2.2 Environment

Network

- Internet

Hardware

RAM: 128MB
Storage: 124MB

Support Software

Operating System (one of below)
- Mac OS X 10.7.3
- Ubuntu Linux 10.04
- Windows Vista SP2 (Least recommended)

Language compiling system
- Ruby 3.1.2
- Rails 7.0.4

Database Management System
- Sqlite3

2.3 Instructions

2.3.1 Installation and initialization

Make sure that the versions of Ruby and Rails are installed correctly before the installation. The installation steps are basically same if the Ruby and Rails are installed correctly.

1.   Download the package form the GitHub repository.

Tips: For the next two steps below, there is one recommendation that conduct them through Visual Studio Code (an open-source code editor), but it is not compulsory.

2. Enter the root directory of the package, type 'bundle install' in the terminal to install all the dependencies of the app.

3. After the 'bundle install' successfully, type 'rake db:migrate' to initialize the database.

Tips: If something goes wrong in this step. Try 'rake db:drop' and 'rake db:reset' which usually helps.

2.3.2 Running Steps

1. Stay in the same directory, type 'Rails s' in terminal.

2. Open any browser, and type 'http://localhost:3000' in the URL bar that the home page is appeared.

Tips: 3000 is the default port for application running. If it is occupied, please check the task manager to end other processes occupying this port that it is not recommended to modify the source code. Besides, if you are using Windows system, there might be an error occurred at the first time, just ignore it and refresh/restart the application.

3. Enter 'Ctrl+c' in terminal if you want to end the program since the application has not been deployed to the server.

2.3.3 Regular Process

Since there is no user existed in the initialized program and the admin user cannot be acquired directly by registration function, the first admin user needed to be added specifically.

1.   Type 'Rails c' to open the Rails console.

Tips: Make sure the program is not in running.

2.   Type the lines below in the console.

```
user = User.create( email: 'admin@qut.edu.au', password: '123456' )
user = User.find(1)
user.add_role :admin
user.update_attribute :admin, true
```

Tips: The email and the password can be changed as your wish, but make sure that you need to provide a valid email format and the password should be six-digit length.
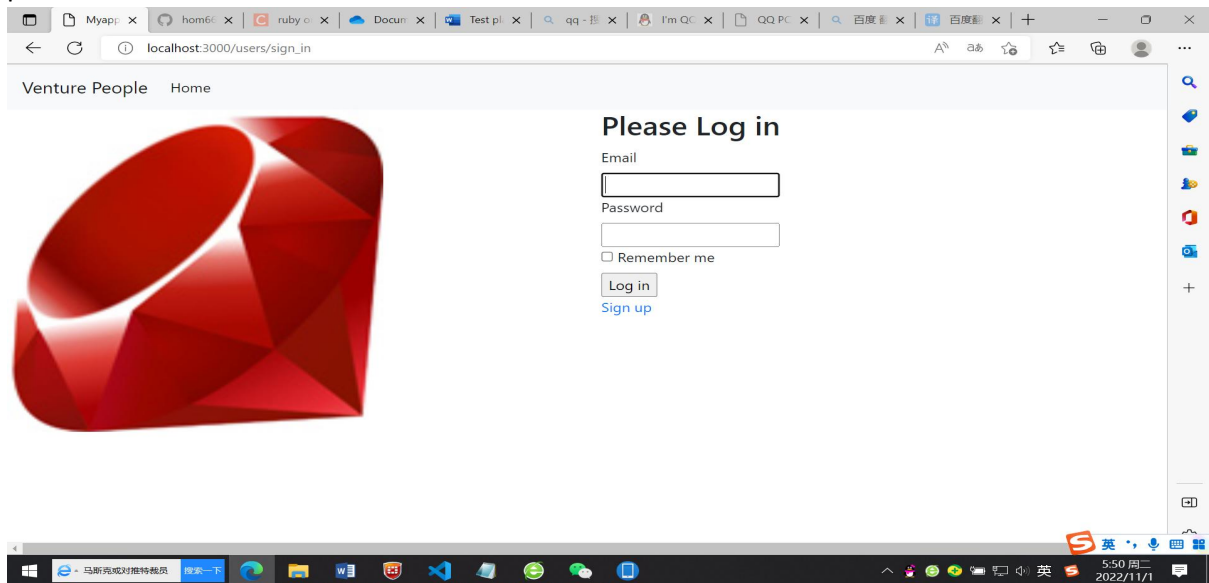
3.   After getting the first admin user account, you can enter 'http://localhost:3000/admin' to

manage the accounts, announcements and comments.
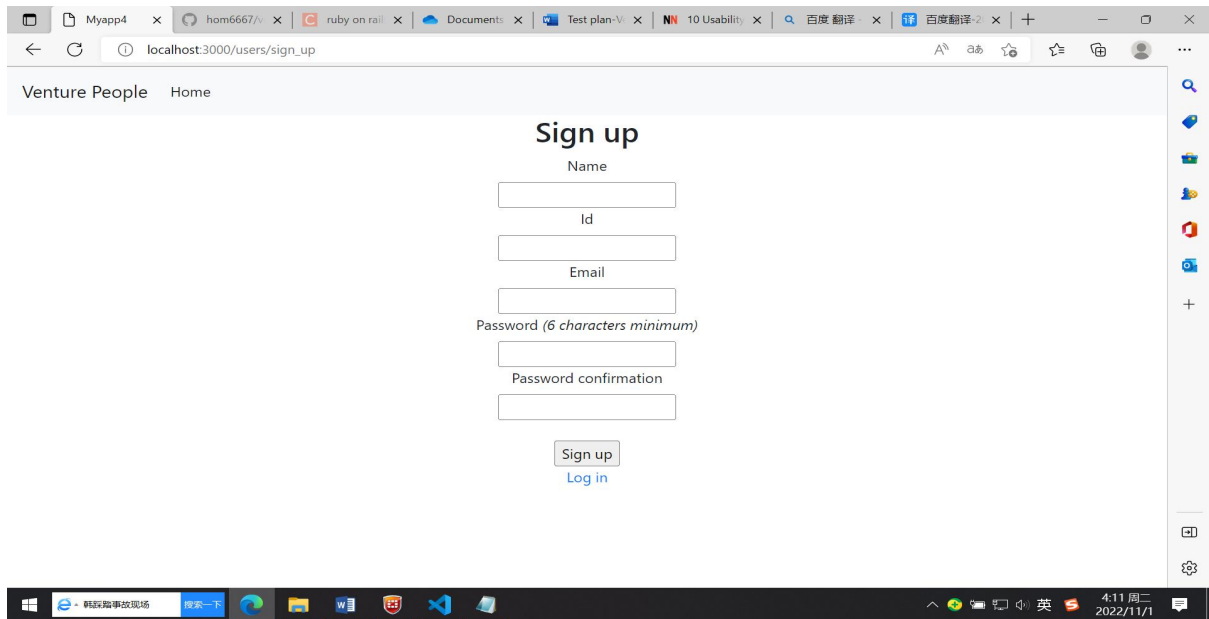
2.3 Layout

2.3.1 Login Page

The home page of the application, which supports the users to login through their email and password.

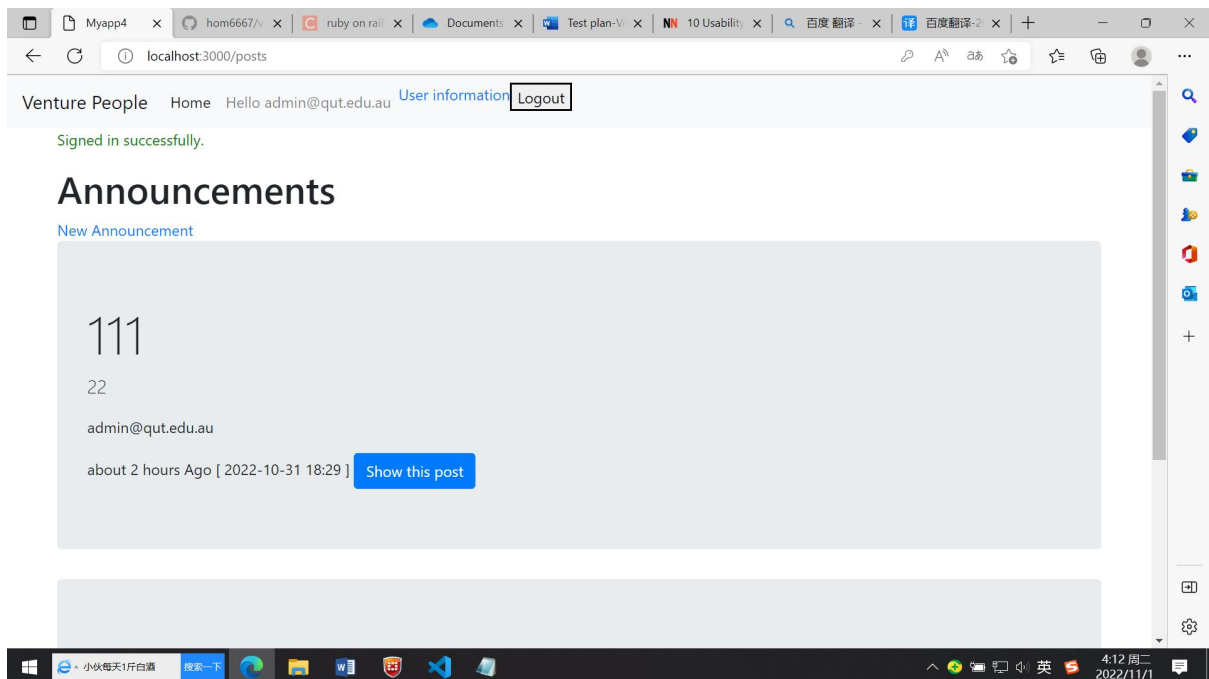Screenshot 2.3.1

2.3.2 Registration Page

For the users who do not have an account, there is a registration link in the **Login Page** if the users have student id.
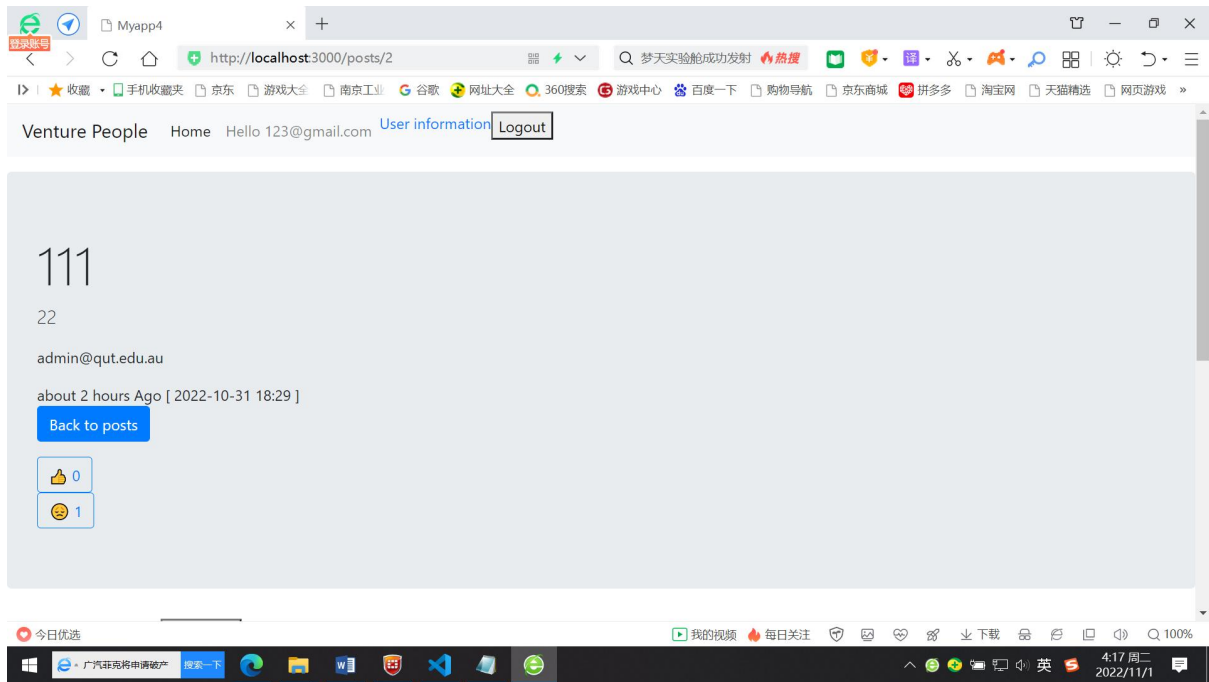
Screenshot 2.3.2

2.3.3 Announcement Page
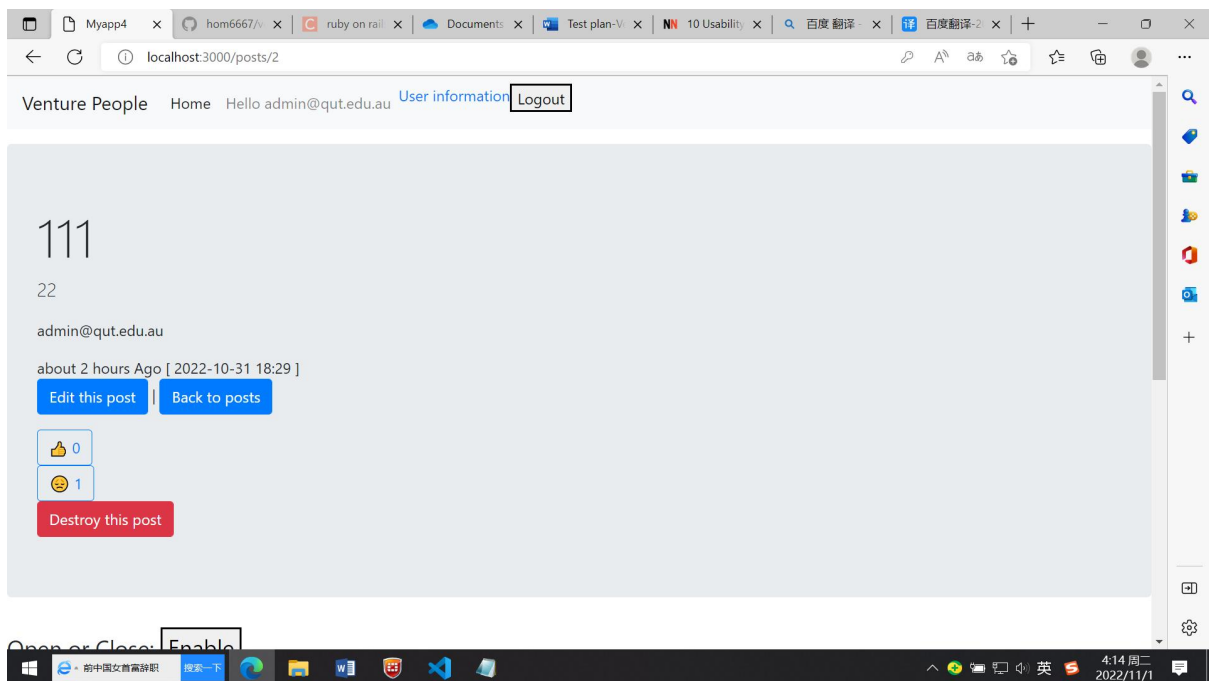
Once a user is login, the page would be directed to announcement page.

Screenshot 2.3.3.0

In terms of a normal user, there is only posts viewing function provided.

Screenshot 2.3.3.1

In terms of an admin user, there are posts edition functions (release, update and delete) provided.

Screenshot 2.3.3.2

2.3.4 Profile Page

The user can check their basic information through this page.
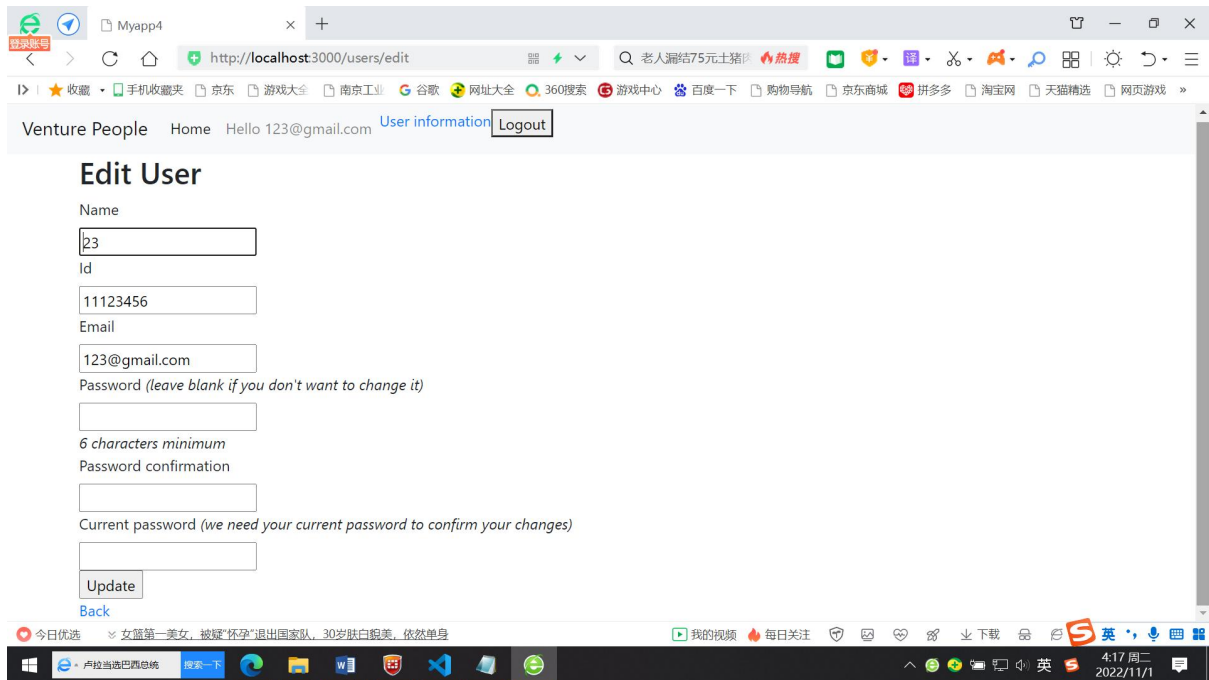
Screenshot 2.3.4

2.3.5 Comment Page

If the user wants to comment in view of an announcement, there is a comment link of every announcement.

In terms of a normal user, the user can release and delete the comments or respond to other comments (emoji or comments).
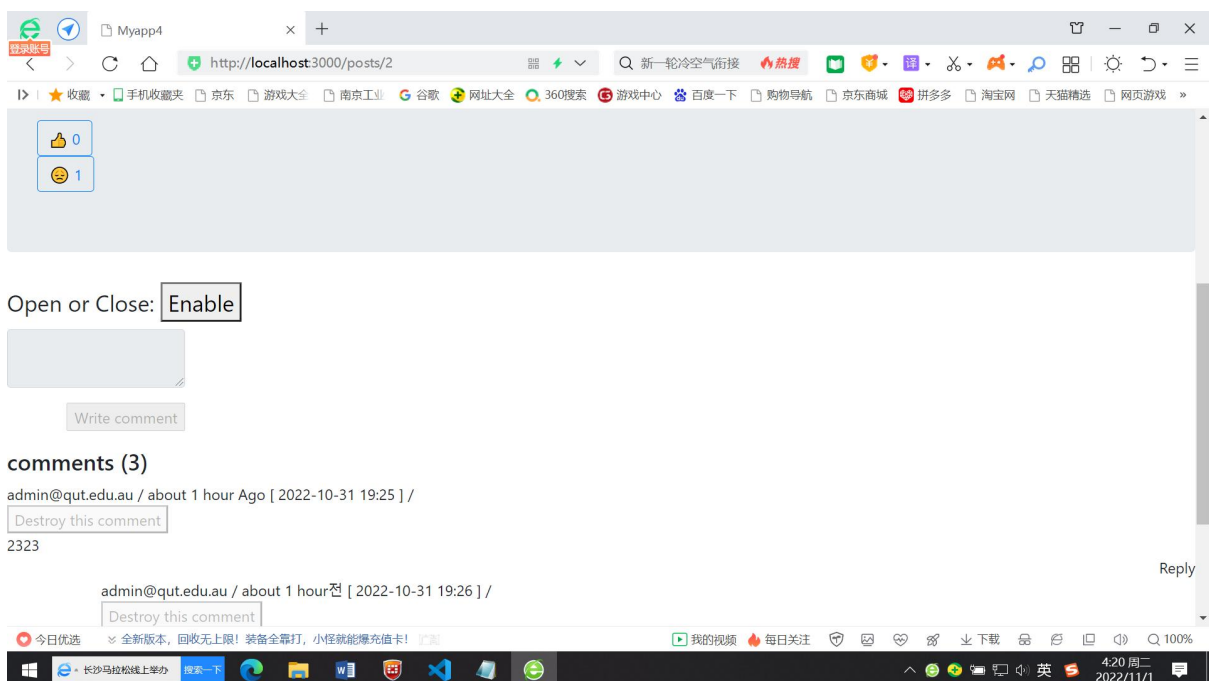
Screenshot 2.3.5.1

In terms of an admin user, the user can destroy others' comments or open the session.

Screenshot 2.3.5.1

2.3.6 Administration Page (admin user only)

Only the admin user can enter the admin page through type 'http://localhost:3000/admin' in the URL bar. In this page, all the comments, accounts and comments can be managed.
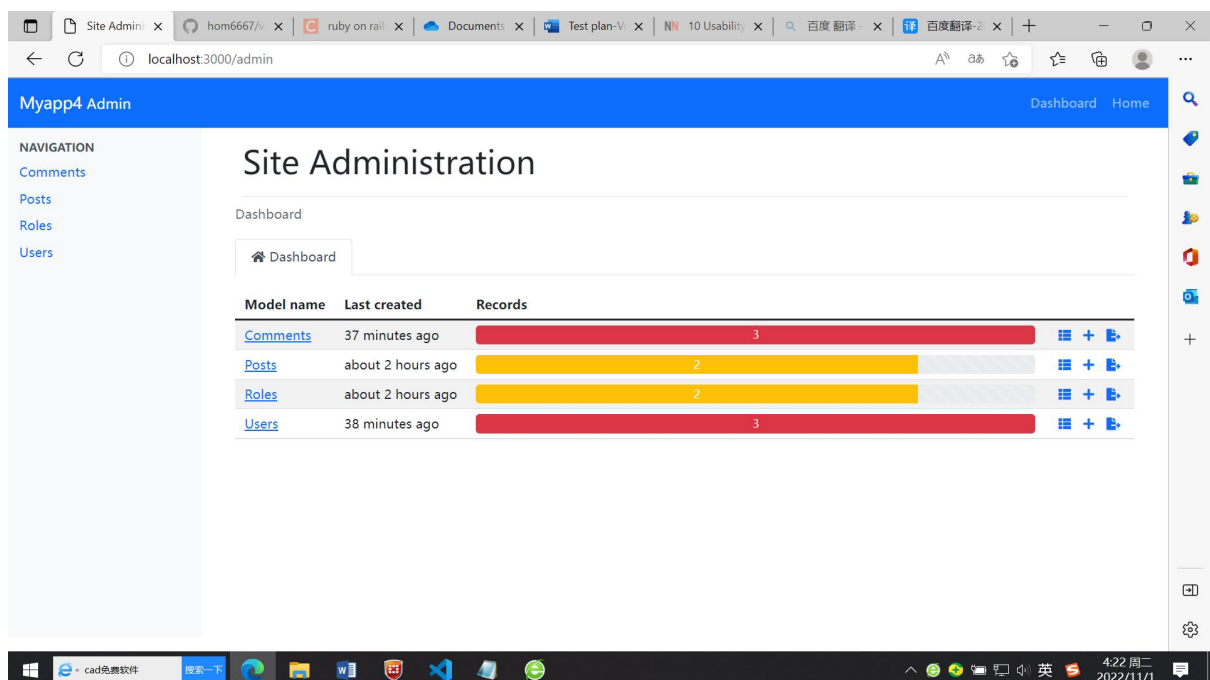
Screenshot 2.3.6

Chapter 3 Operations and Functions

3.1 Login Page

1. Click Registration link (if not have accounts) to get an account.

Tips: If you already have an account, please ignore this step.
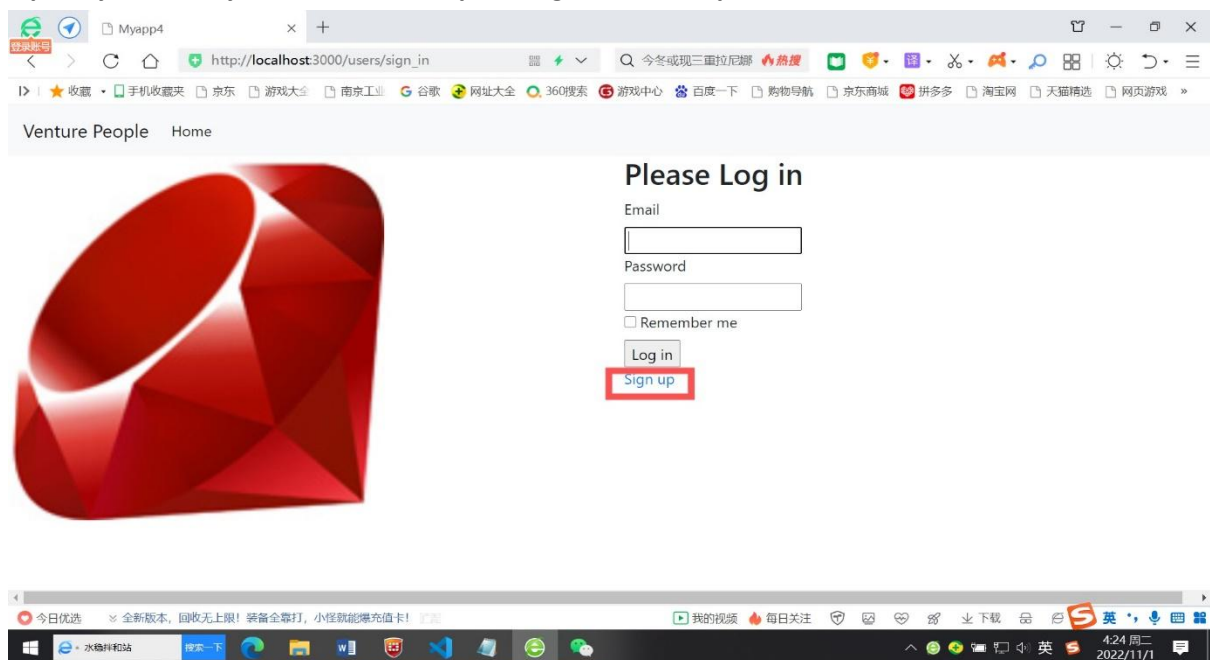
Screenshot 3.1.1

2. Enter the correct email and the password.
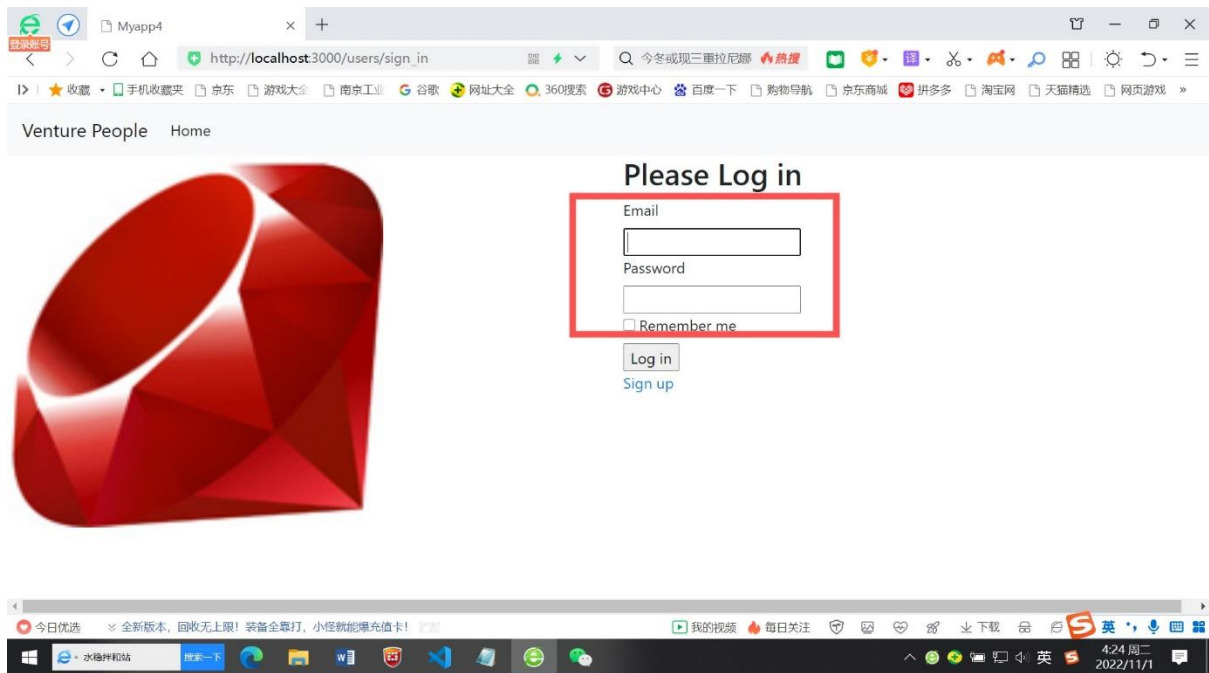
Screenshot 3.1.2

3. Click Login button.

Tips: It would jump to the *Announcement Page* if enter the right account and password.
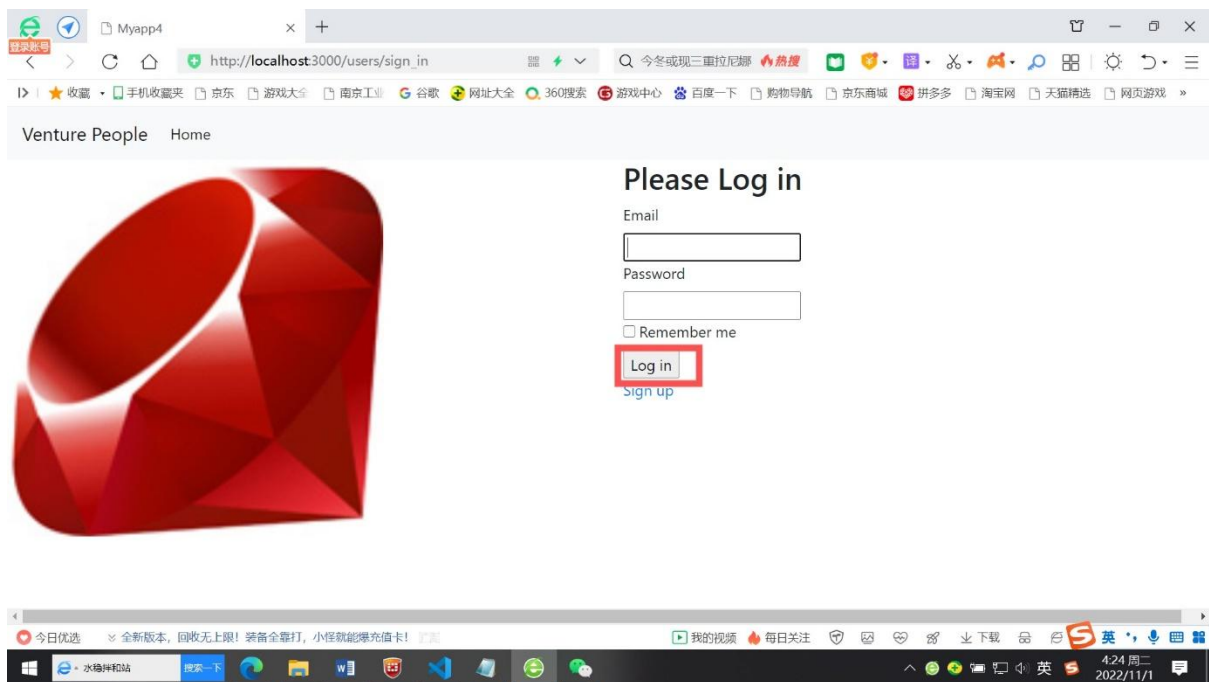
Screenshot 3.1.3

3.2 Registration Page

1. Enter all the information required.

Tips: There are some constraints of these entries, please follow the notification.
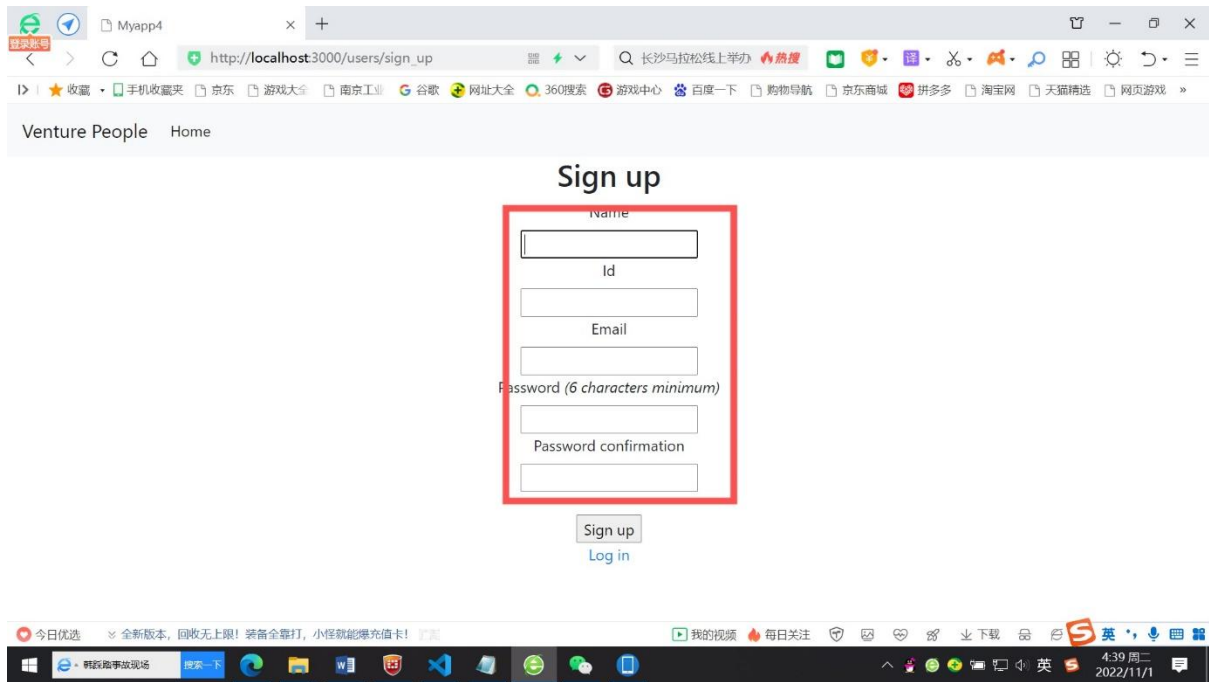
Screenshot 3.2.1

2. Click Registration button.

Tips: It would be jump to the *Login Page*.
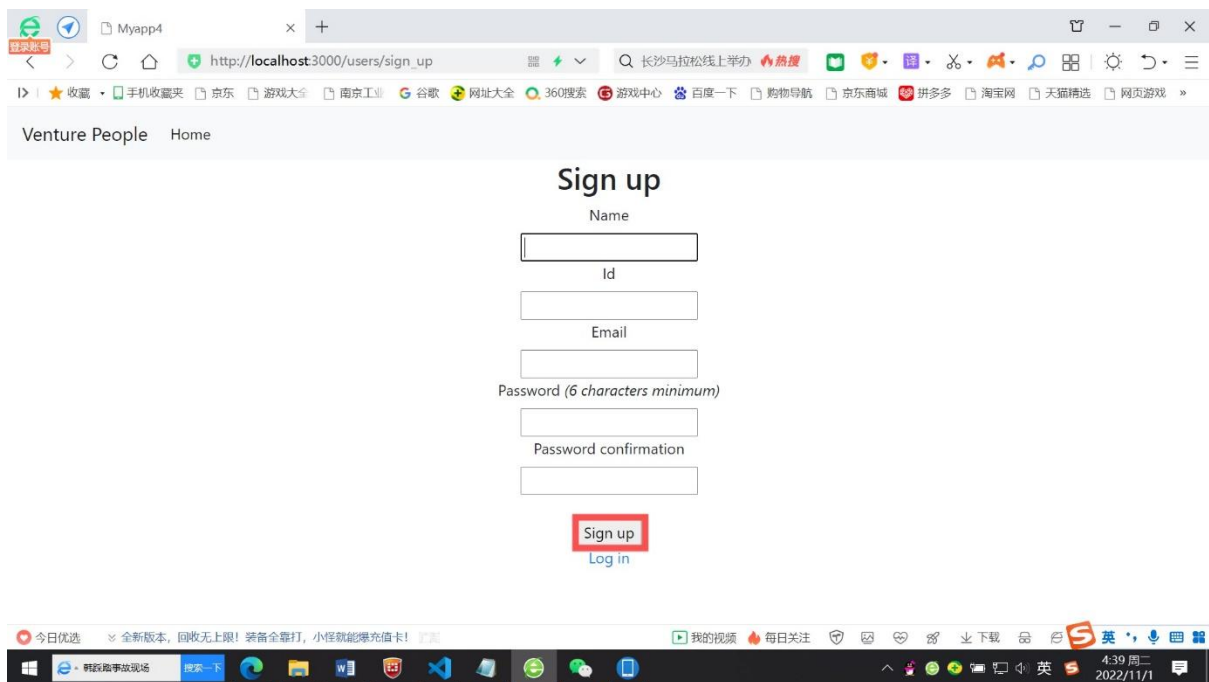
Screenshot 3.2.2

3.3 Announcement Page

3.3.1 Release new Post (admin user only)

1.   Click 'New Announcement'.
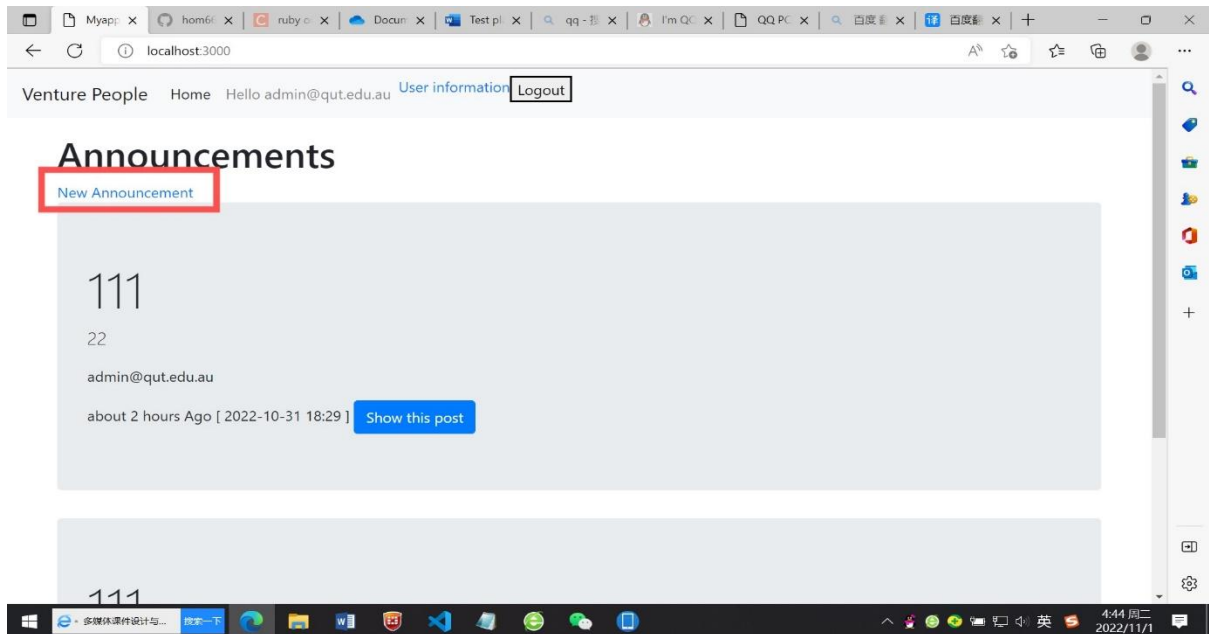
Screenshot 3.3.1.1

2.   Type in title and content.
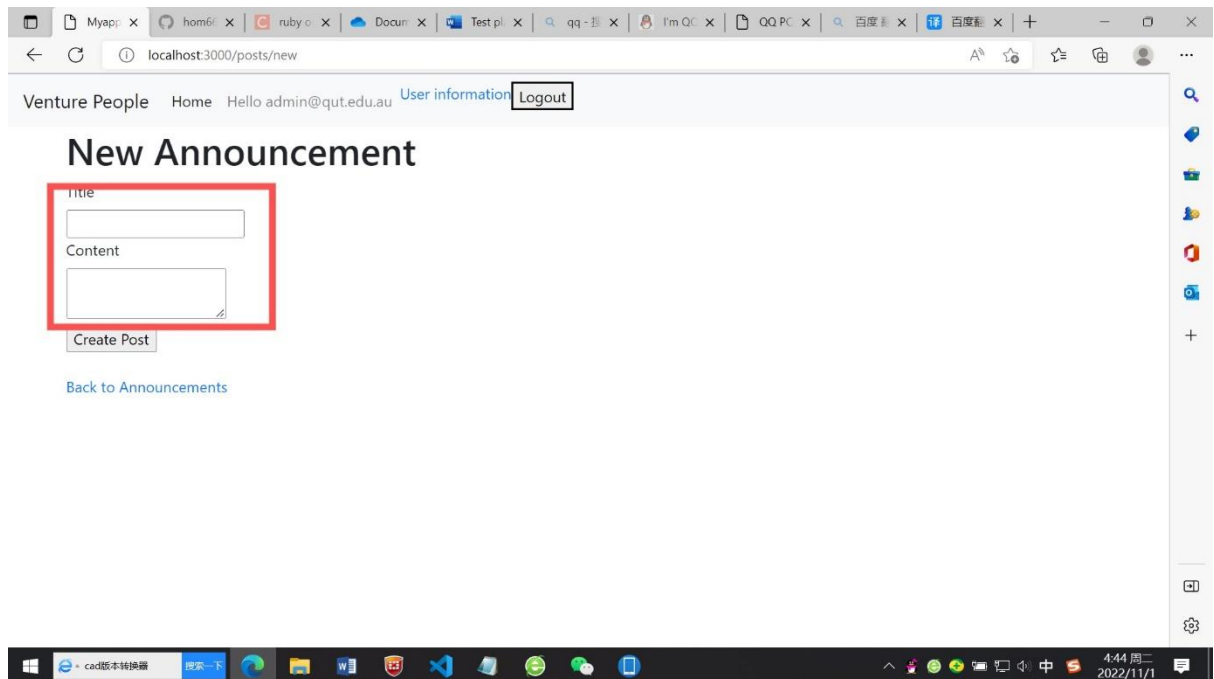
Screenshot 3.3.1.2

3.   Click 'Create Post' button.
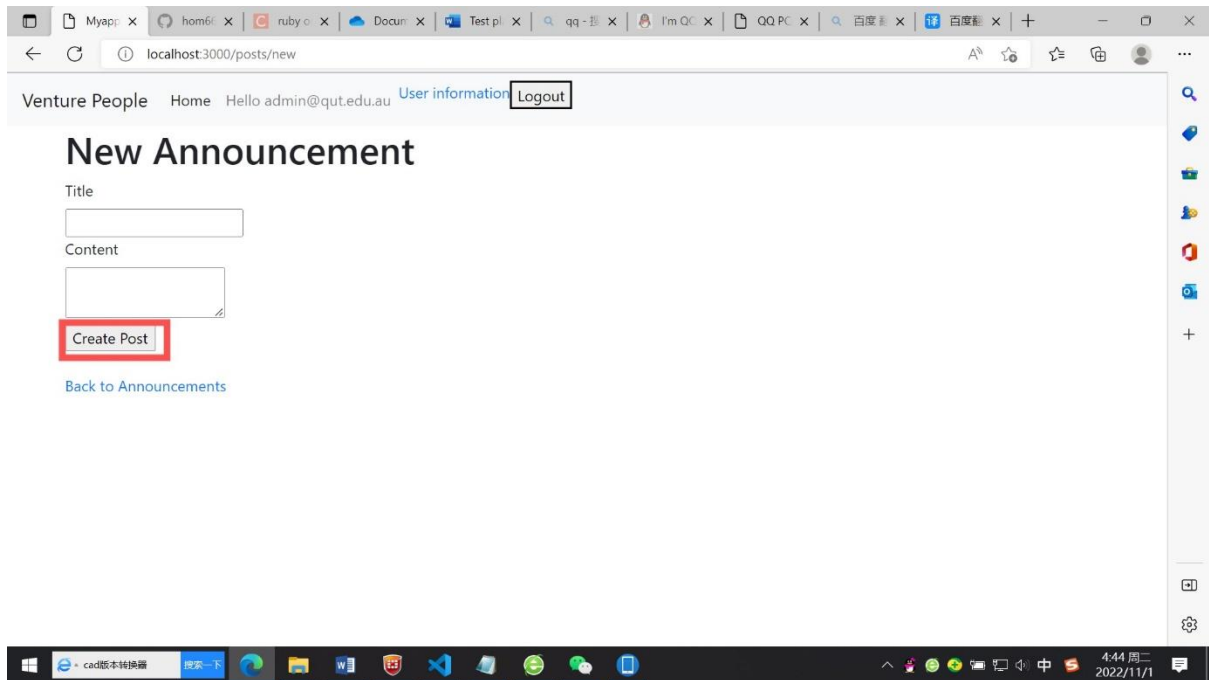
Screenshot 3.3.1.3

3.3.2 Update Post (admin user only)

1. Click 'Show this Post' button.
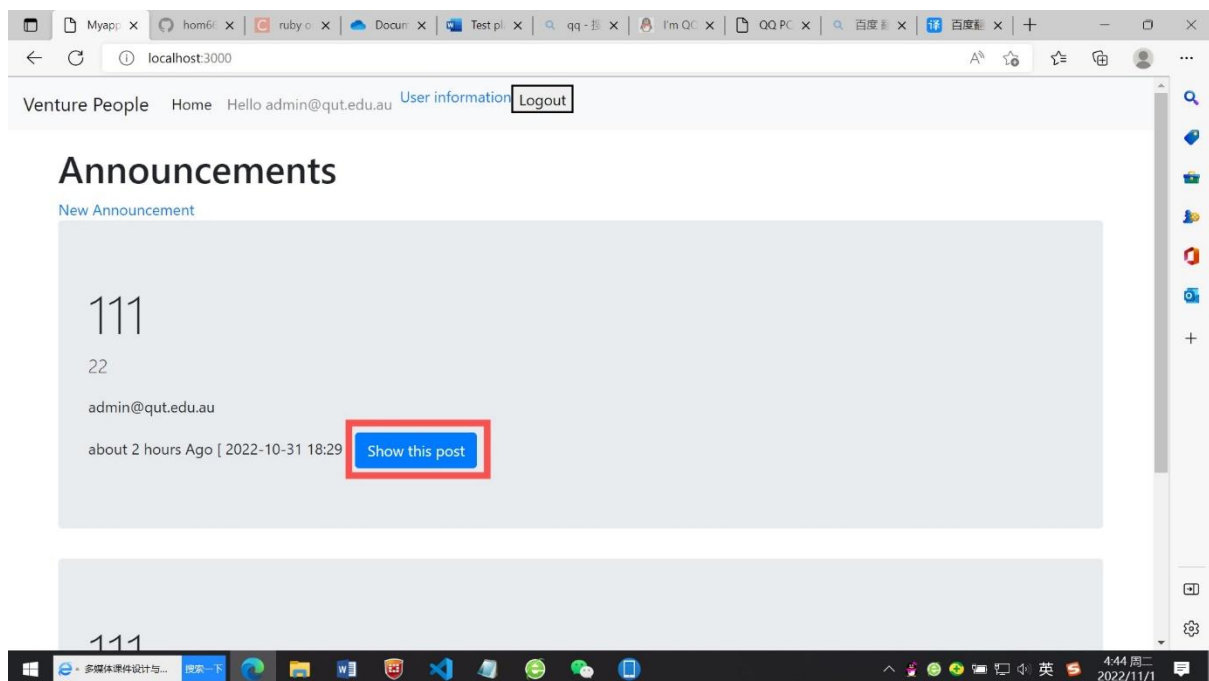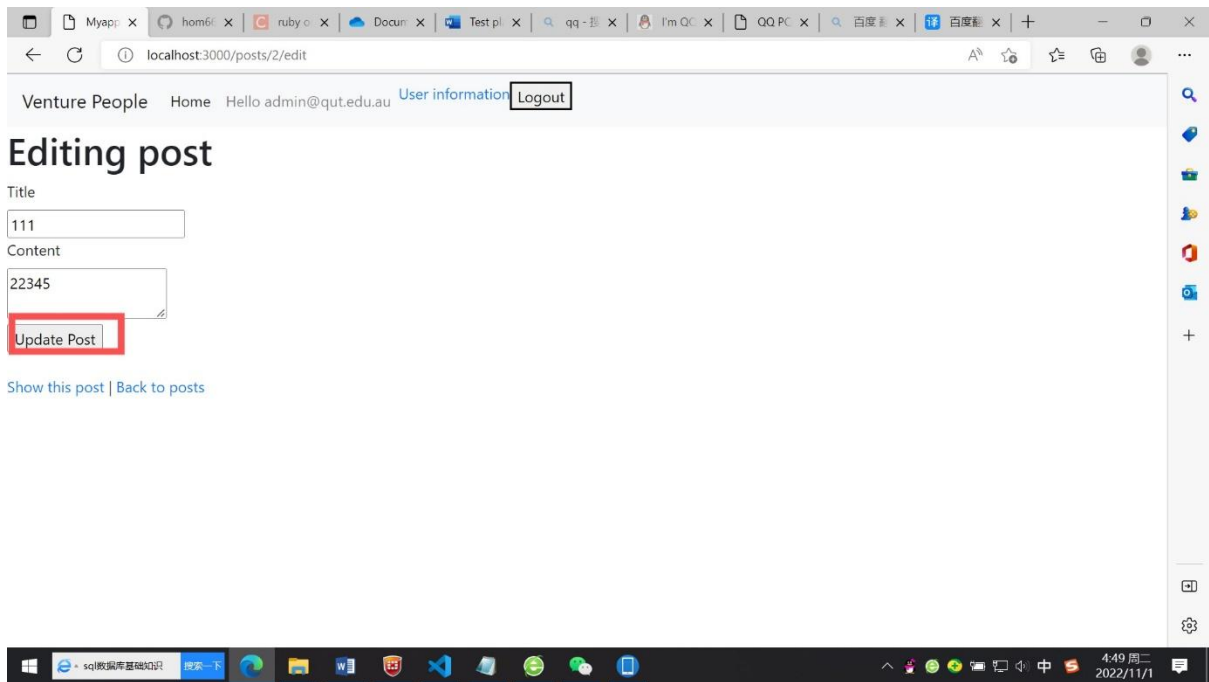

Screenshot 3.3.2.1

2. Click 'Edit this post' button.
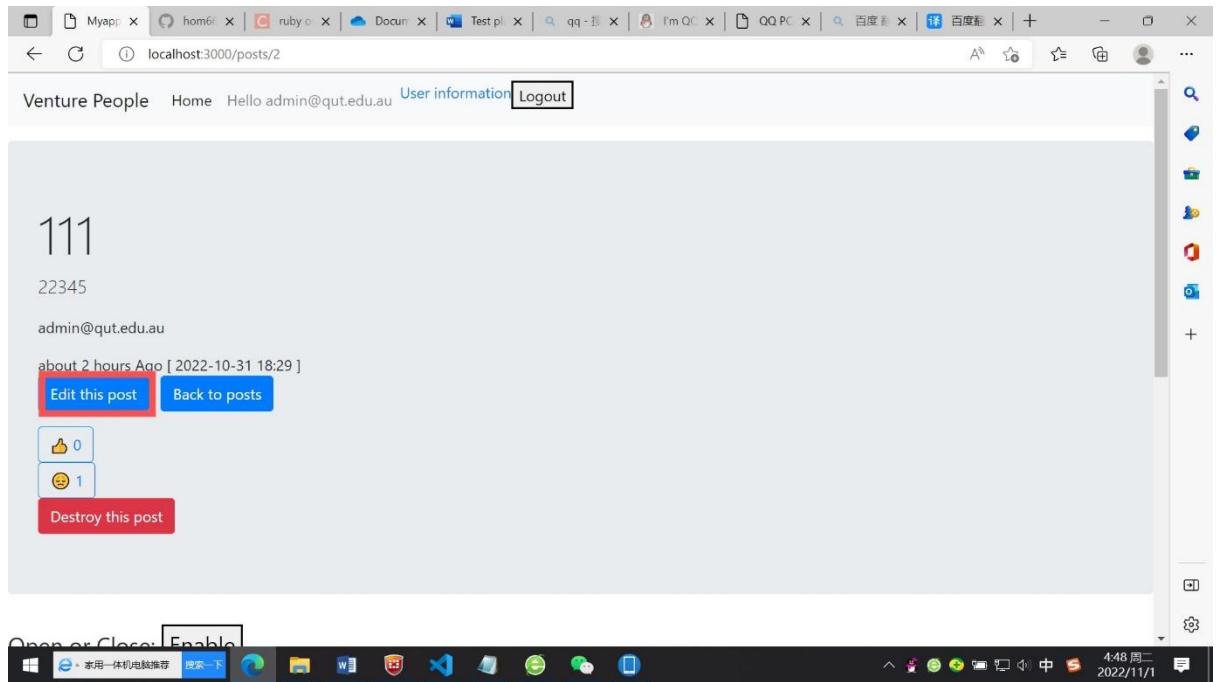
Screenshot 3.3.2.2

3. Type in new content.

Screenshot 3.3.2.3

14
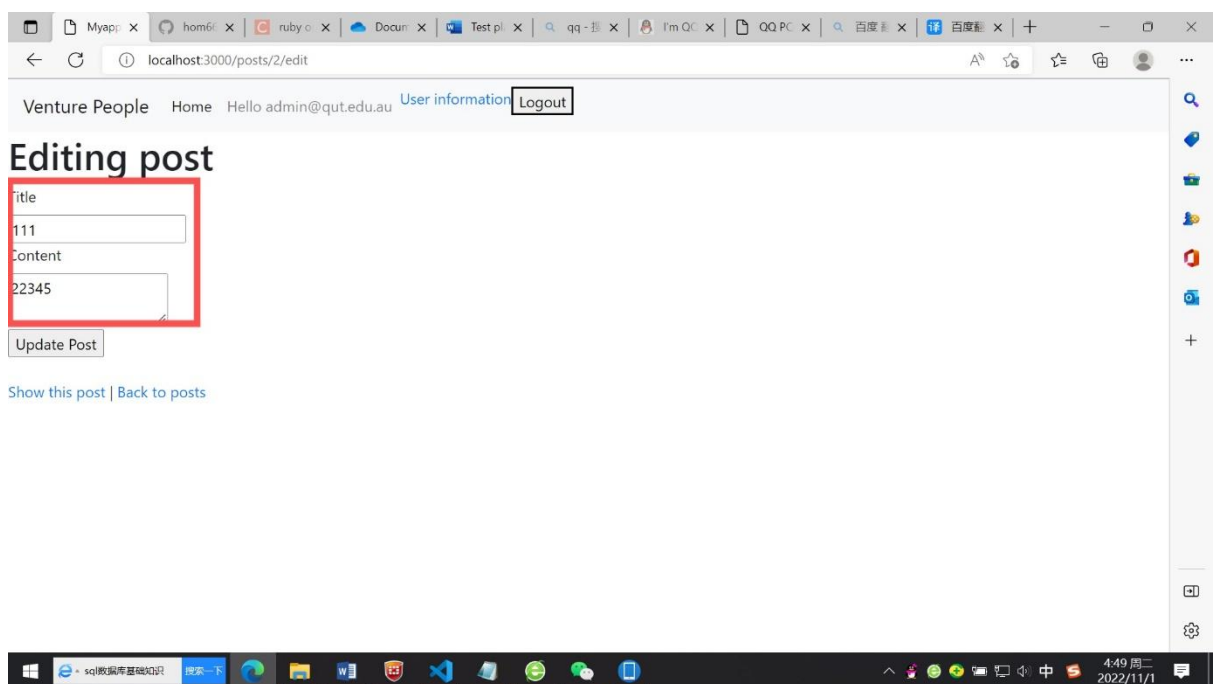
4. Click 'Update Post' button.

Screenshot 3.3.2.4

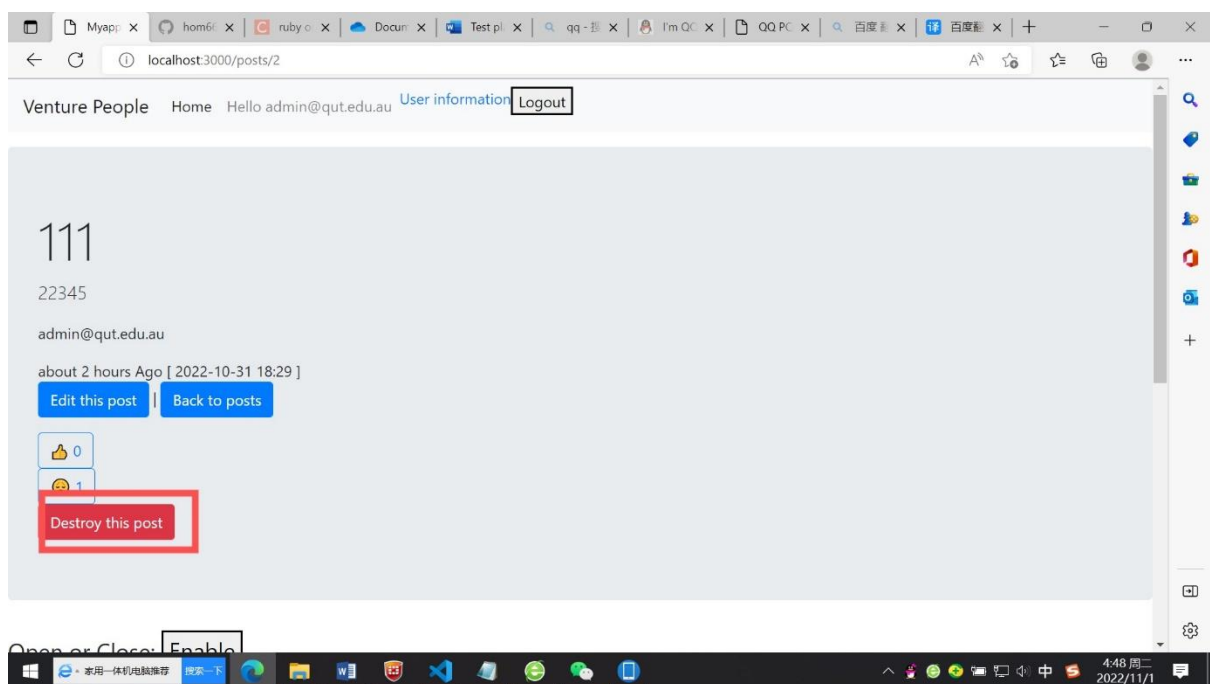5. Click 'Back to posts'.
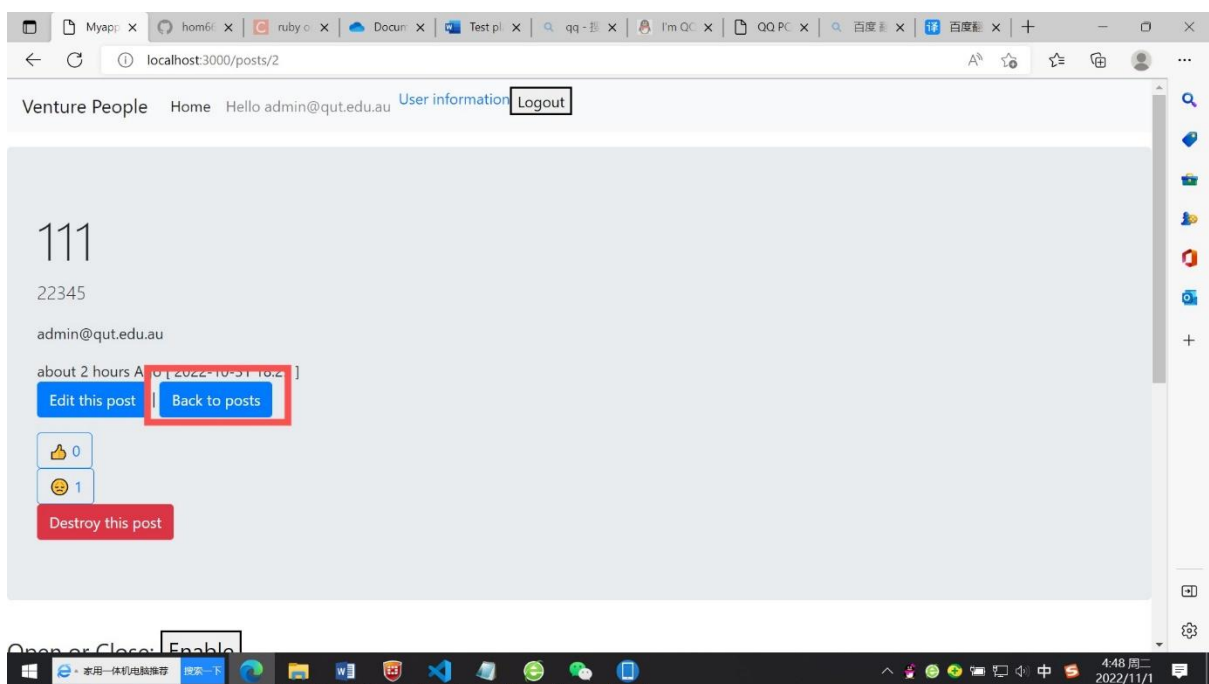
Screenshot 3.3.2.5

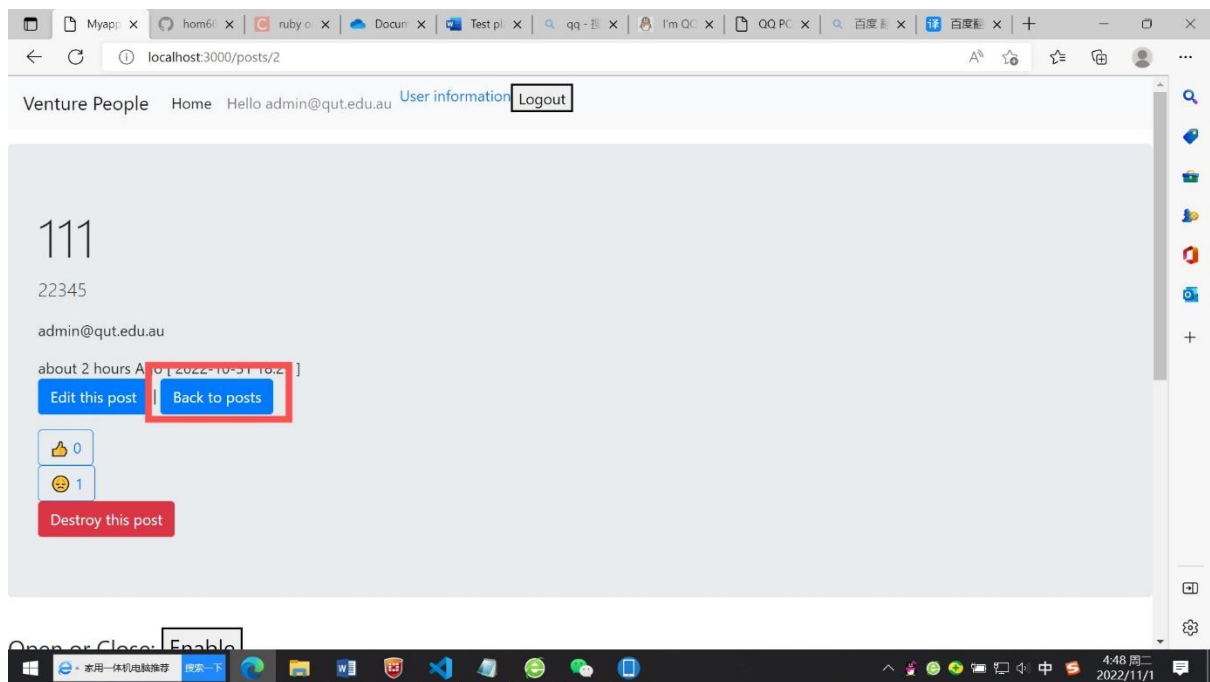### 3.3.3 Delete Post (admin user only)

1. Click 'Show this post'.
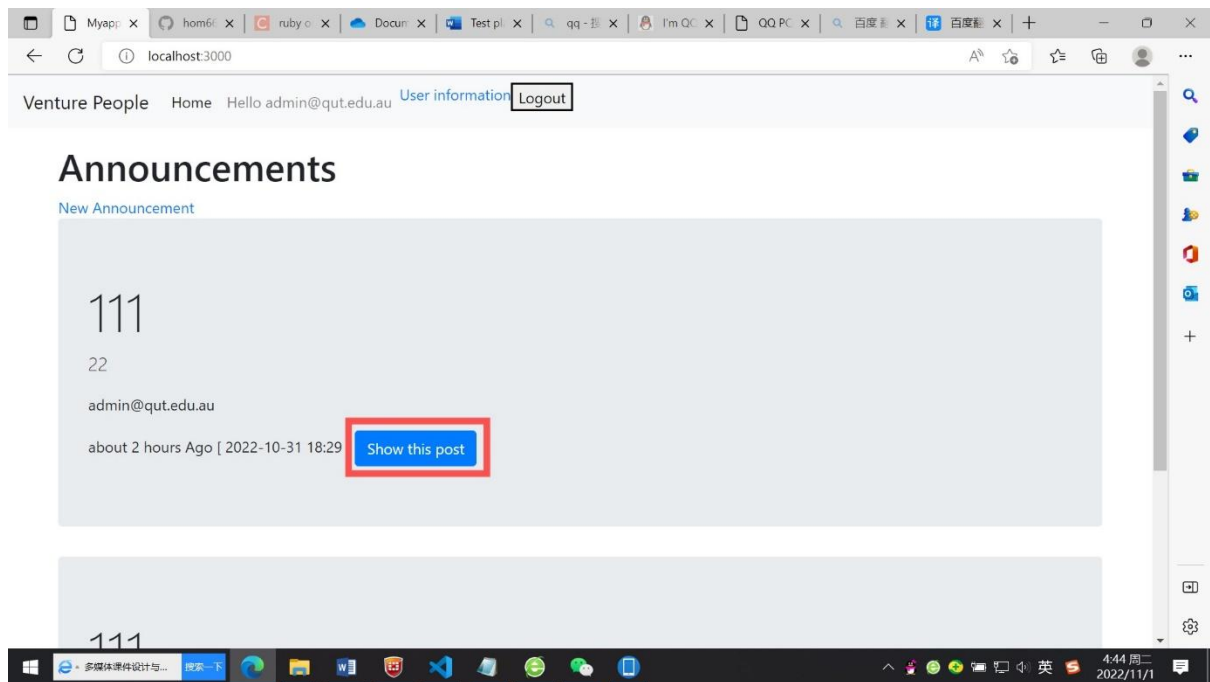
Screenshot 3.3.3.1

2. Click 'Destroy this post'.
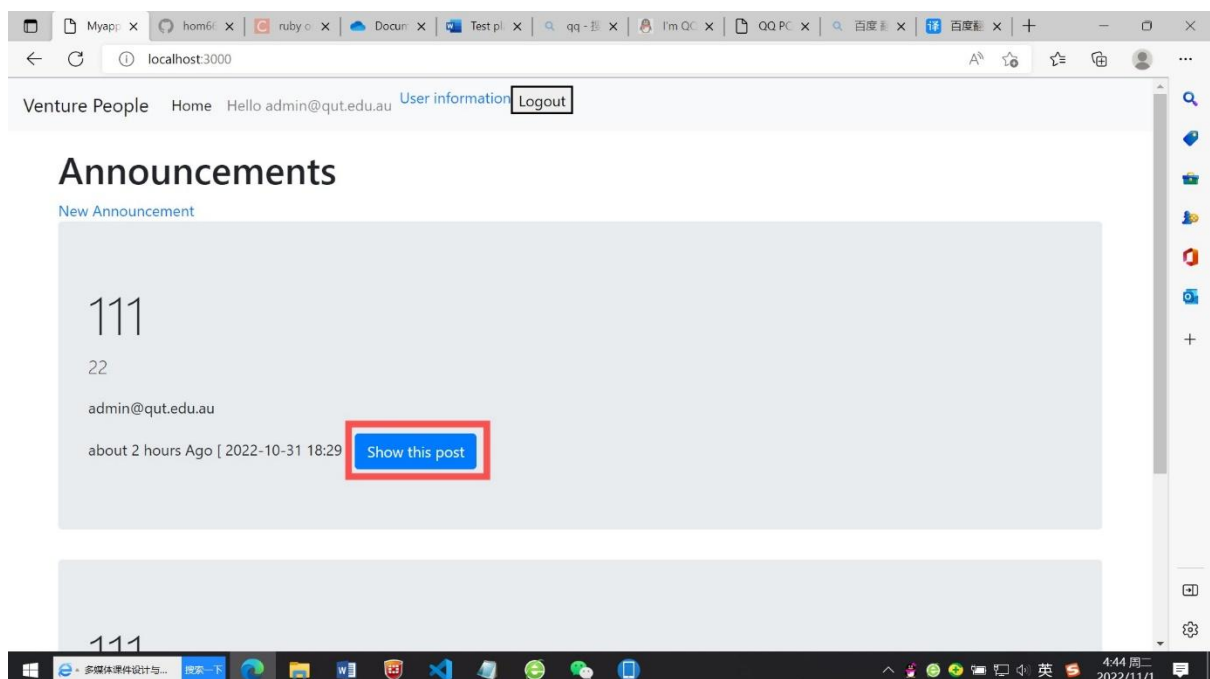

Screenshot 3.3.3.2

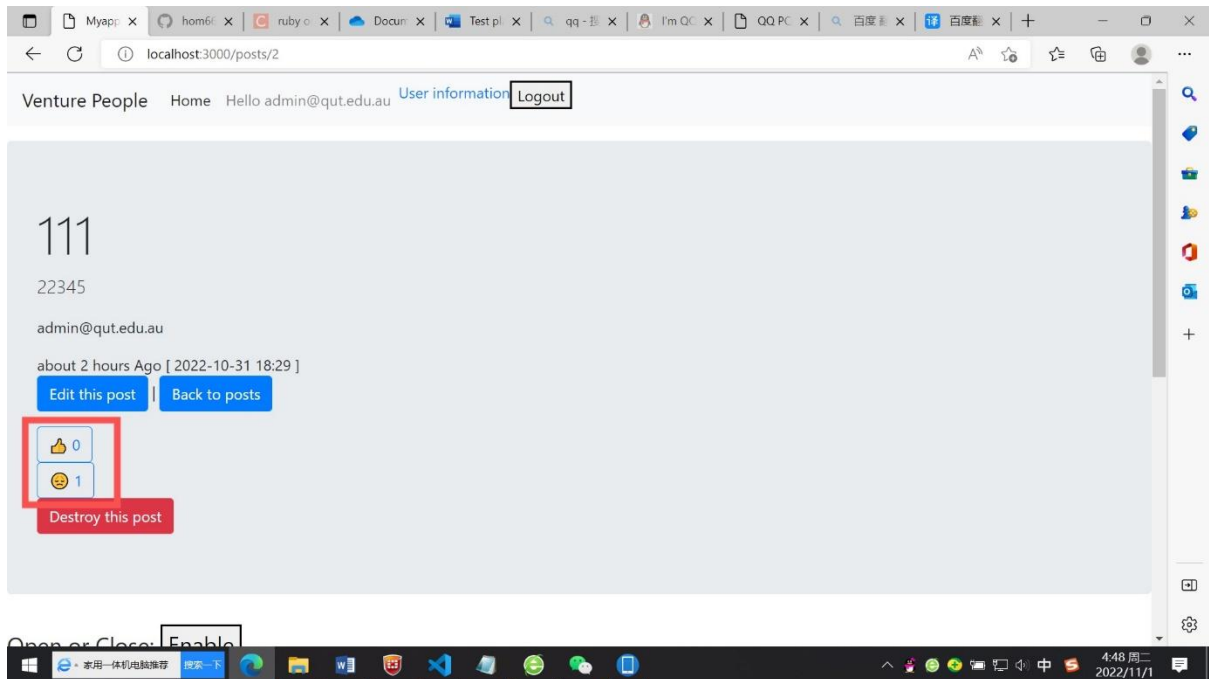3. Click 'Back to posts'.

Screenshot 3.3.3.3

3.3.4 Emoji reaction
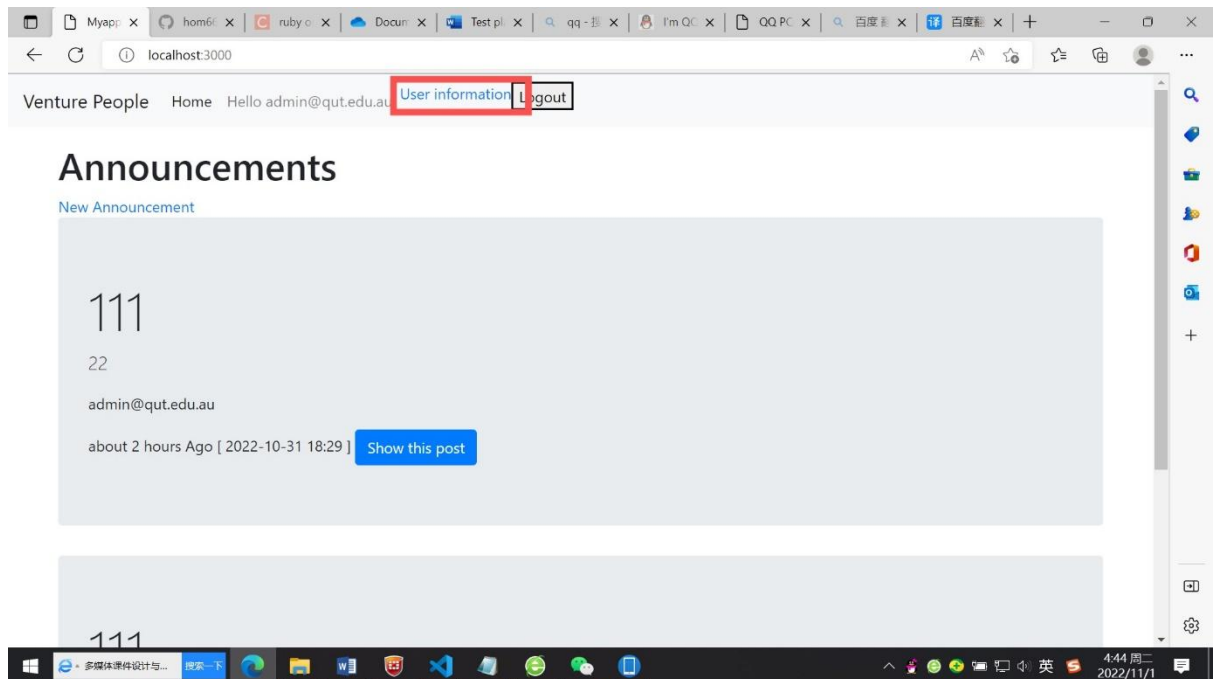
1. Click 'Show this post'.

Screenshot 3.3.4.1
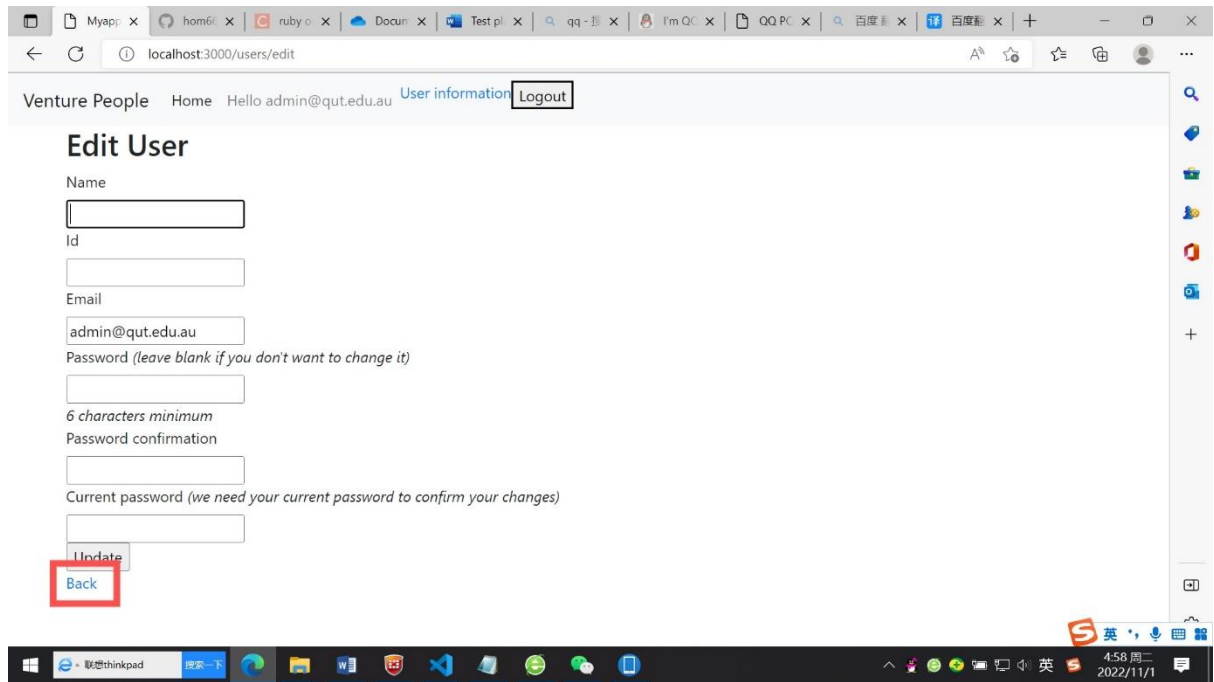
2. Click the corresponding emoji.

Screenshot 3.3.4.2

3.4 Profile Page

1. Click 'User information' in navigation bar.
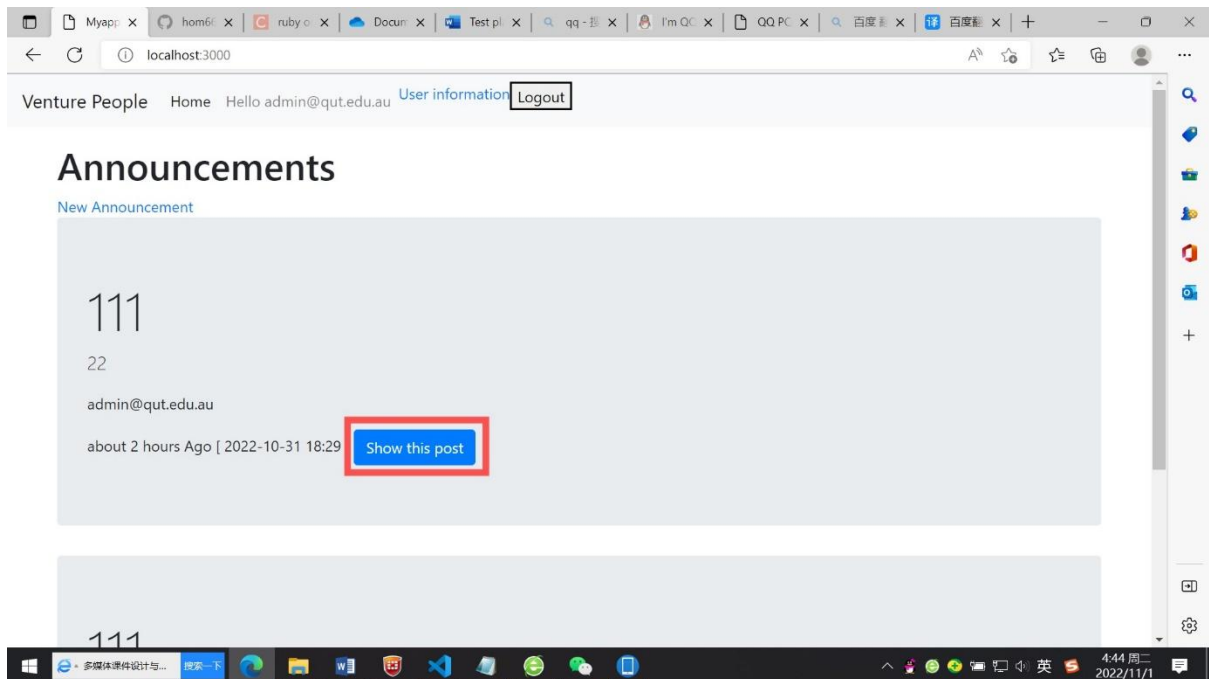

Screenshot 3.4.1

2. Click 'Back'.

Screenshot 3.4.2

3.5 Comment Page

Click 'Show this post' in **Announcement Page**.

Tips: All the functions about the comments can only be operated after the session is in open status.
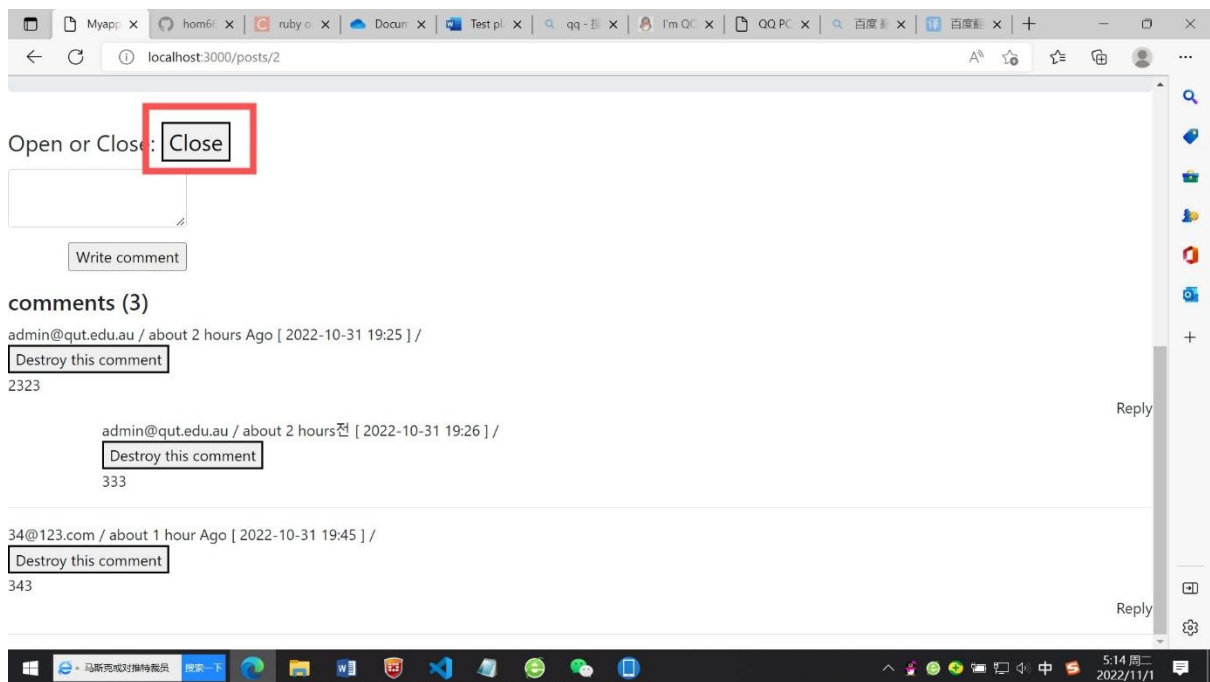

Screenshot 3.5.0

3.5.1 Open/close session (admin user only)

1. Click 'Enable' button, then refresh the page, and click the button again.

Screenshot 3.5.1.1

2. Click 'Close' button.

Screenshot 3.5.1.2

3.5.2 Leave a comment

1. Type in content.

Screenshot 3.5.2.1

2. Click 'Write comment' button.

Screenshot 3.5.2.2

3.5.3 Delete Comment

1. Click 'Destroy this button' button of the corresponding comment.

Screenshot 3.5.3.1

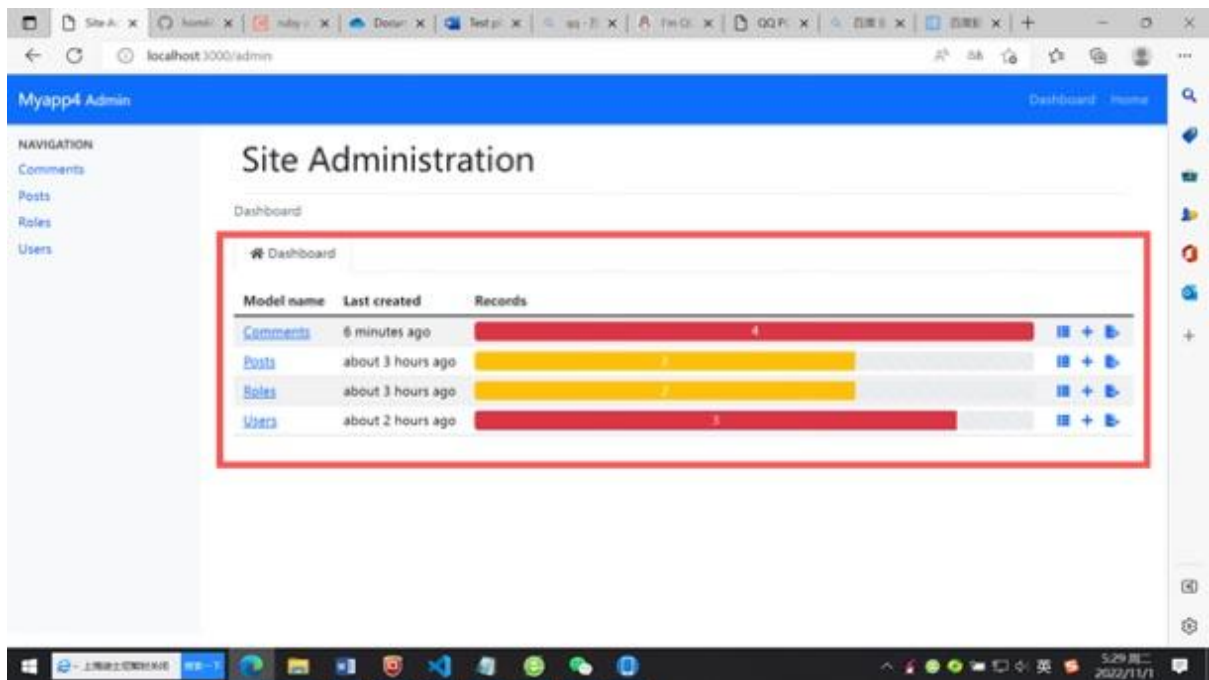2. Click 'Destroy this button' button of the other's comment (admin user only).

Screenshot 3.5.3.2
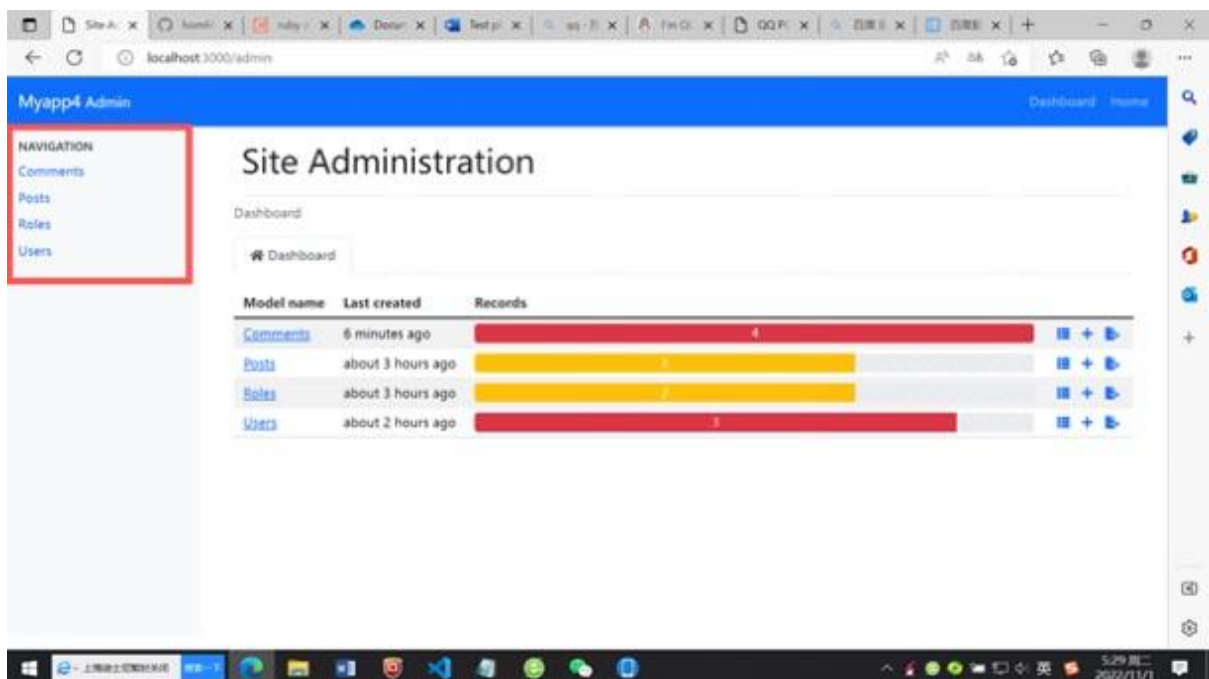
3.7 Administration Page (admin user only)

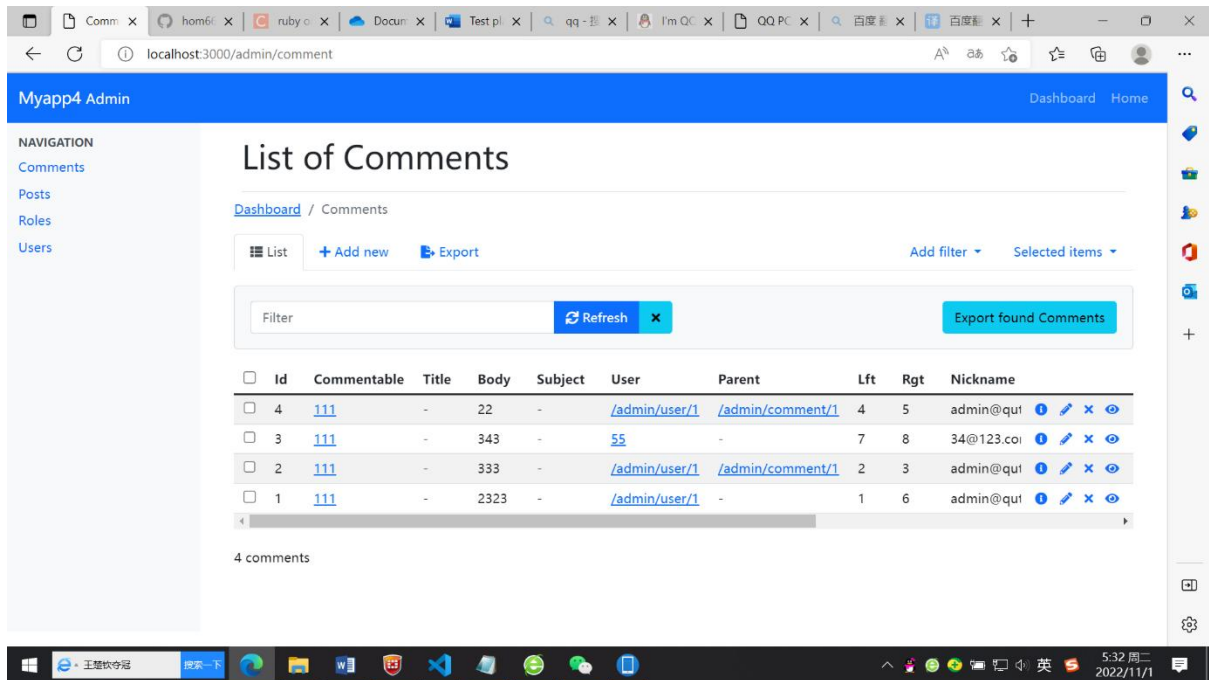Enter 'http://localhost:3000/admin'.

1. Viewing overall data.
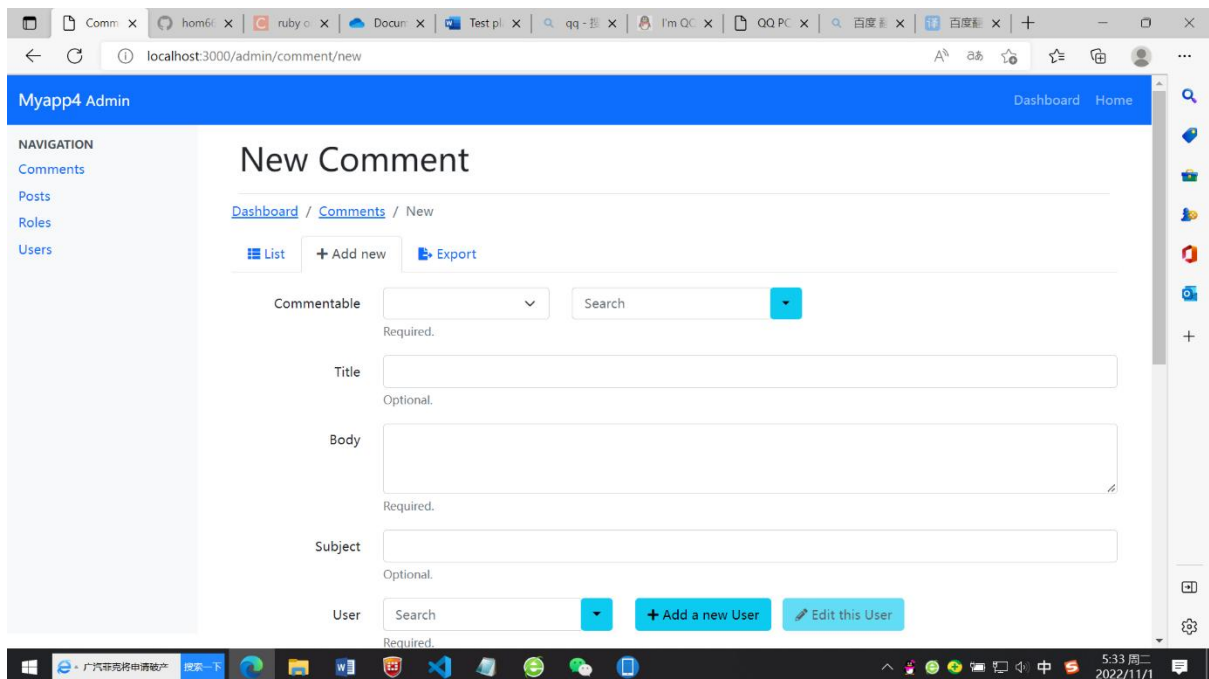

Screenshot 3.7.1

2. Find specific database.

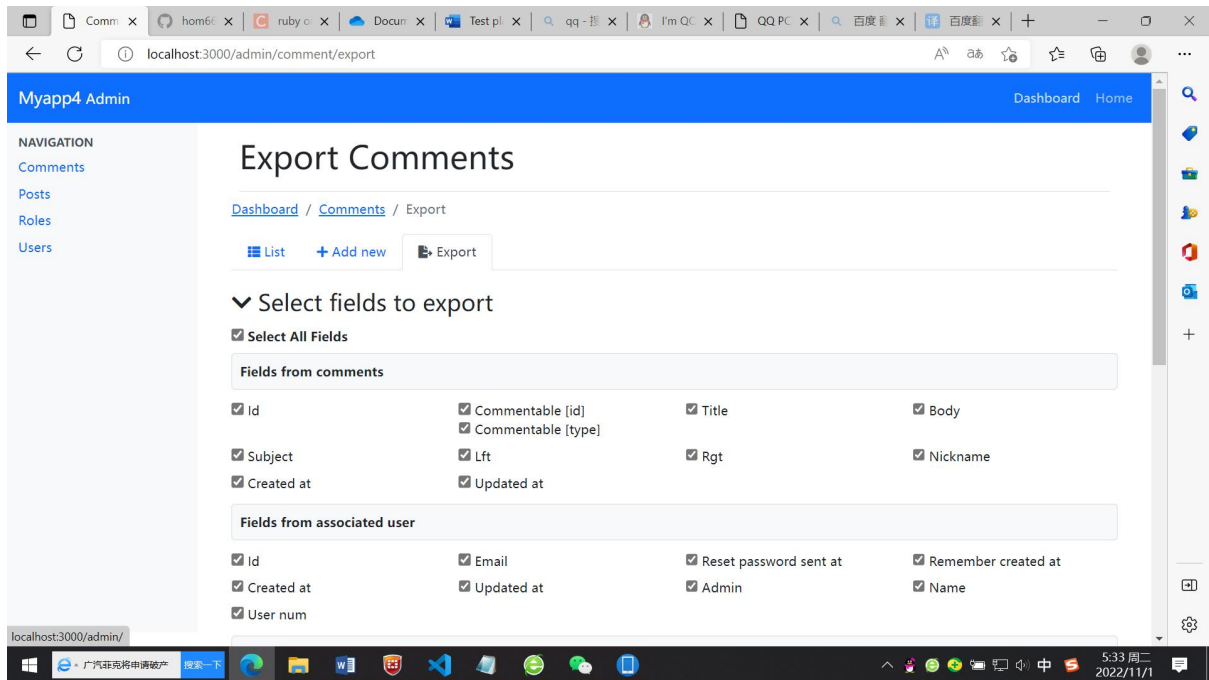Screenshot 3.7.2

3. View data detail in List.

Screenshot 3.7.3

4.   Edit data in Add new.

Screenshot 3.7.4

5.   Export data in Export.

Screenshot 3.7.5