**COMP7940**

**Cloud Computing**

***Group Project***

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| --- | --- |
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**Bot name: Cook**

**Username: Cookcooking2022\_bot**

**Github id：Harrybot2022**

**April 21, 2022**

Our bot is called Cook with username Cookcooking2022\_bot.

**Summary**

This bot is designed to help users quickly find cooking-related websites and acquire relevant knowledge, such as recipes, cooking tips. In addition, it also provides a channel for users to YouTube or Twitter to share their cooking video

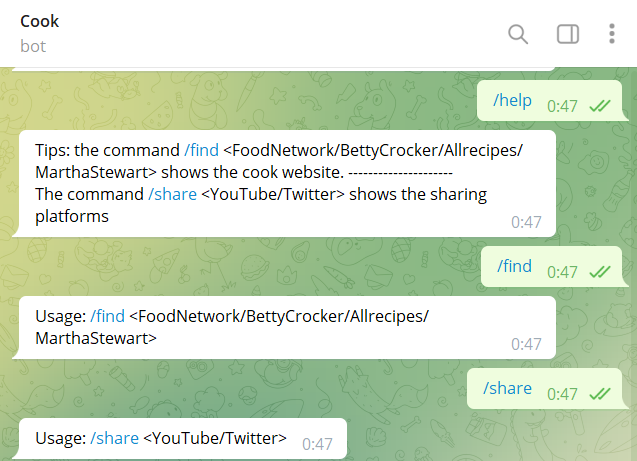
It has two functions and one user tip.

For tip, it can provide guidance to users, let them know that they can use the command find and share to enjoy the bot.

Users just need to type /help, and then they can see the details.

It shows how to use the command find and share by a tip. If user click the text ‘/find’ in blue, the bot will show the usage. If user click the text ‘/share’ in blue, the bot will show the usage as well.

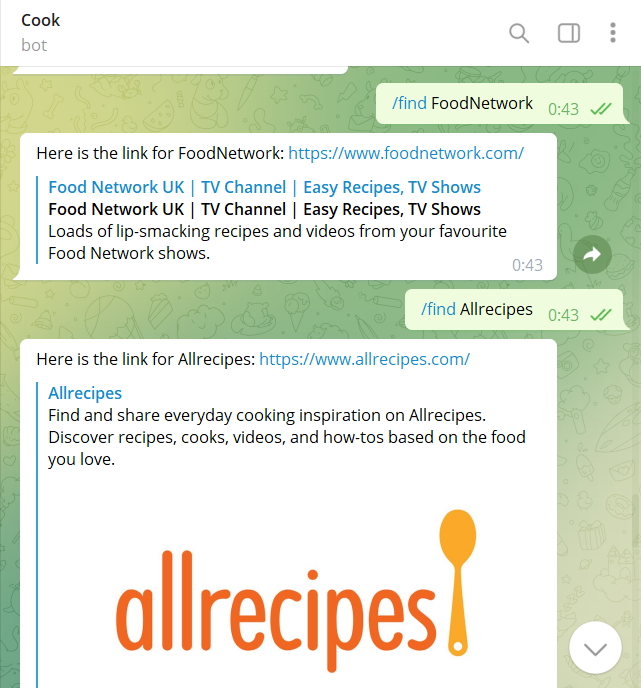
Here is the demo.

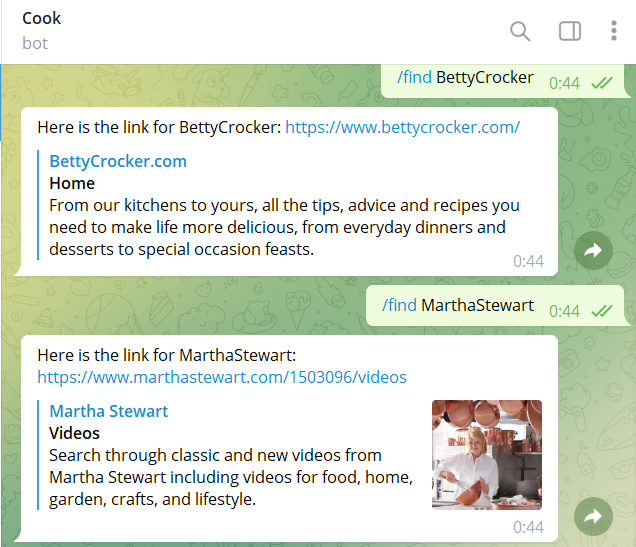


The first function is providing some cooking-related websites and acquire relevant knowledge, such as recipes, cooking tips. It helps users know what to prepare before cooking and how to cook.

Users need to type /find with the website name like FoodNetwork, BettyCrocker, Allrecipes, MarthaStewart which can provide assistance to users. Now, we just provide these four links, if users type another one, the bot will show usage.

Here is the demo.

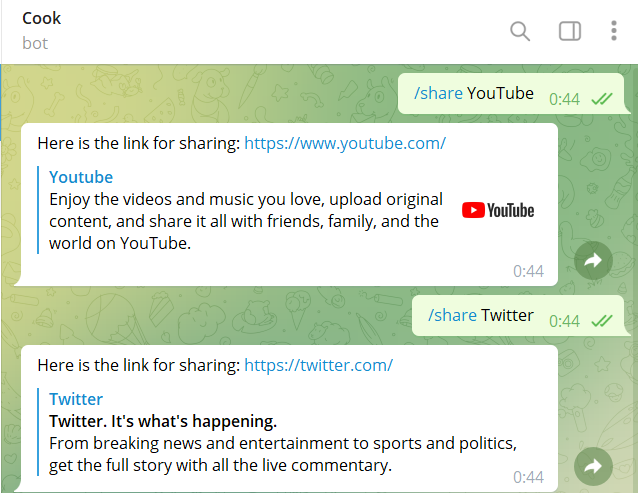




The second function provides a channel for users to YouTube or Twitter to share their cooking video. They can share their experience and happiness with people all of the world.

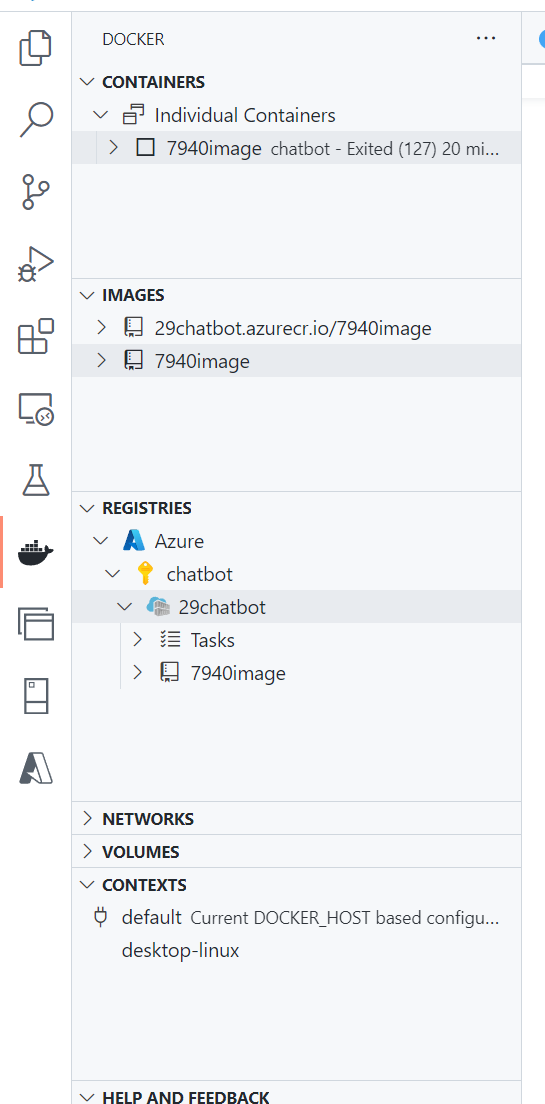
User need to type /share with the name YouTube and Twitter which are the famous social media in the world.

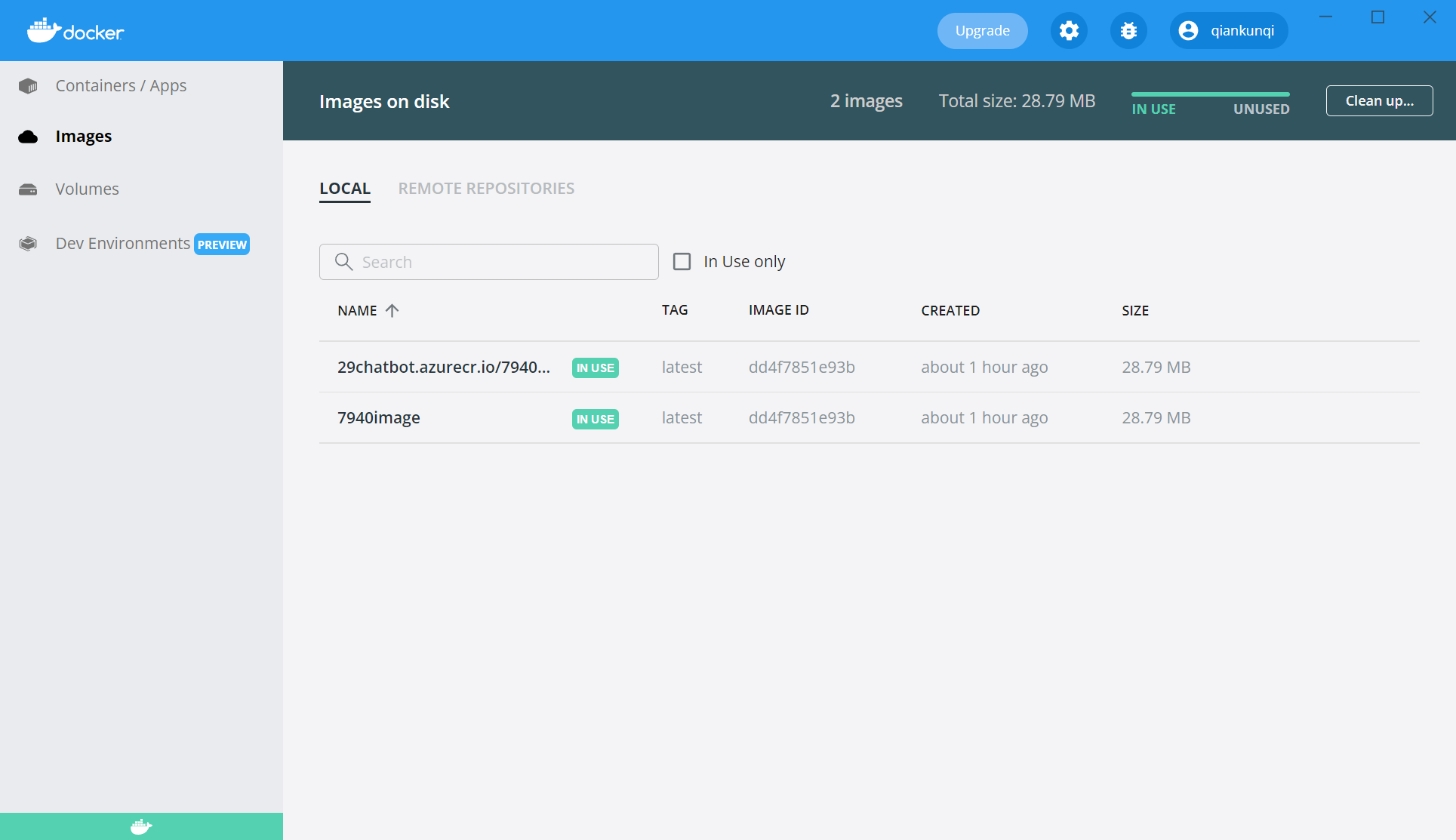
Here is the demo.



We built a docker container and ran it from the image 7940image.

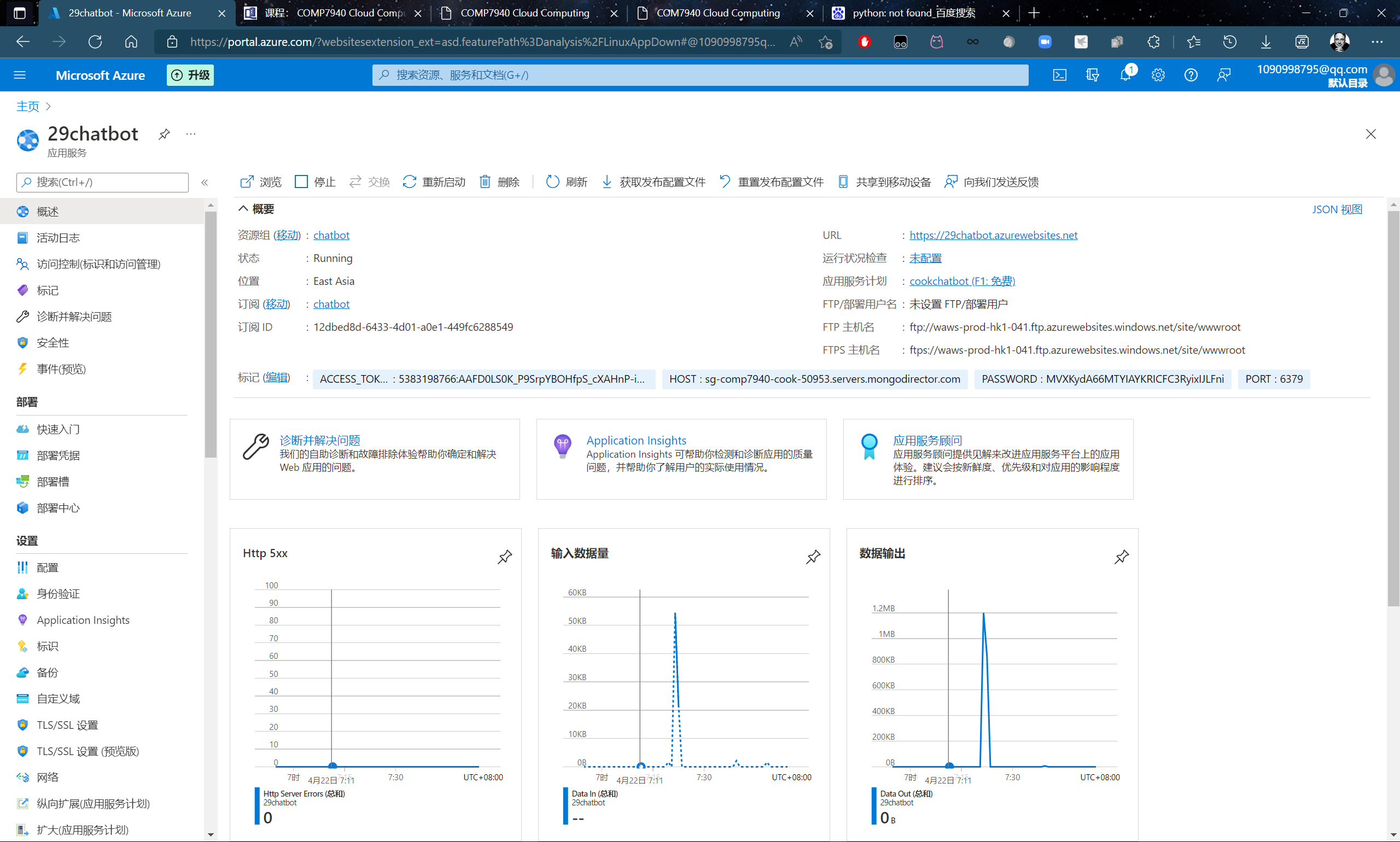
Here are the screenshots.

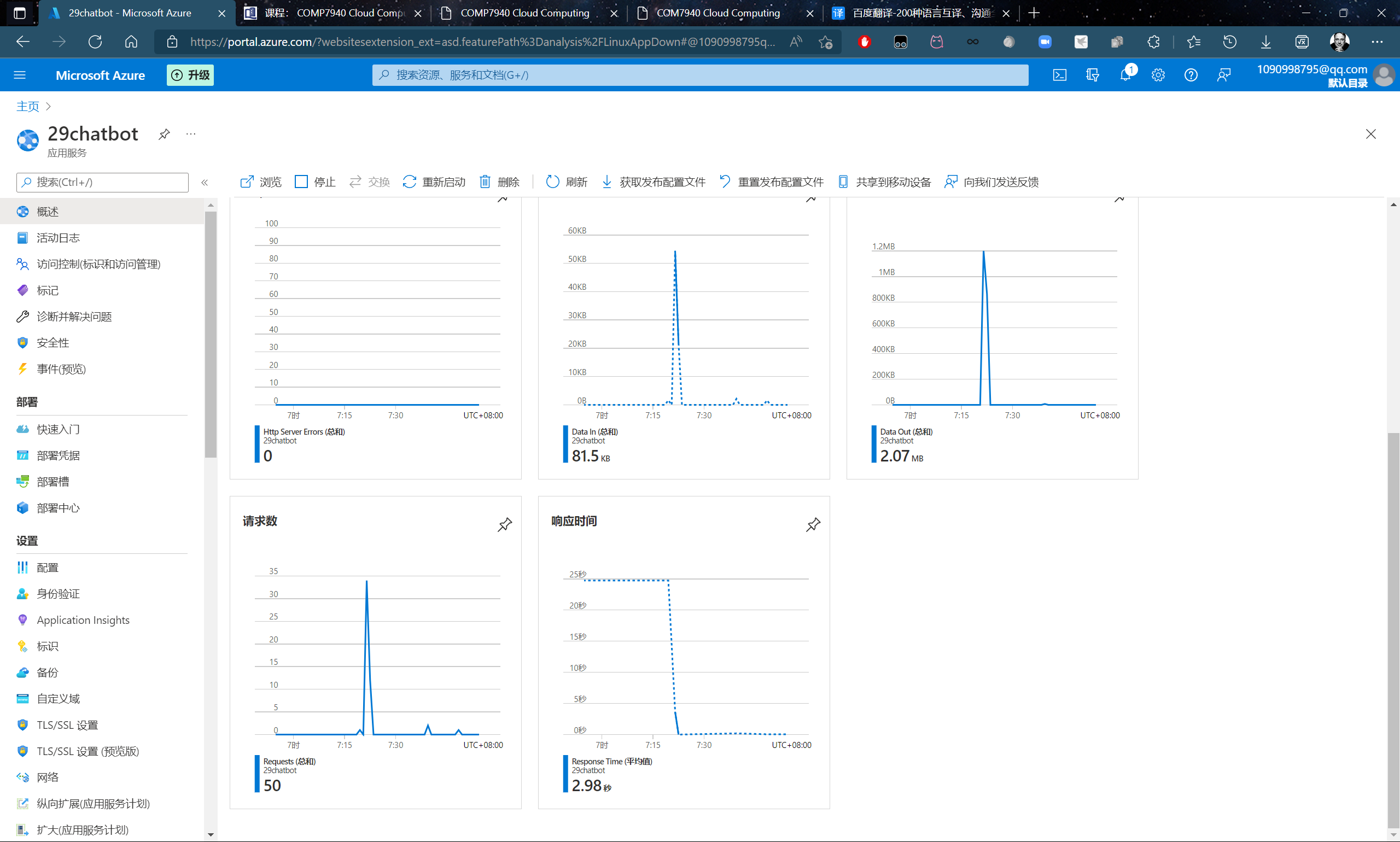


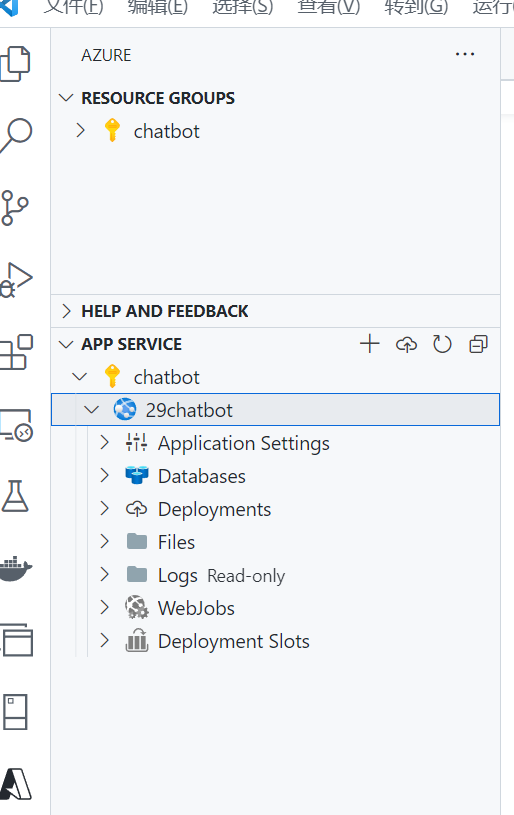


Then we deployed it to Azure App Service to make sure the app be hosted on a cloud platform. The advantages of Azure are many language options, high visualization and simple operation

Here are the screenshots.

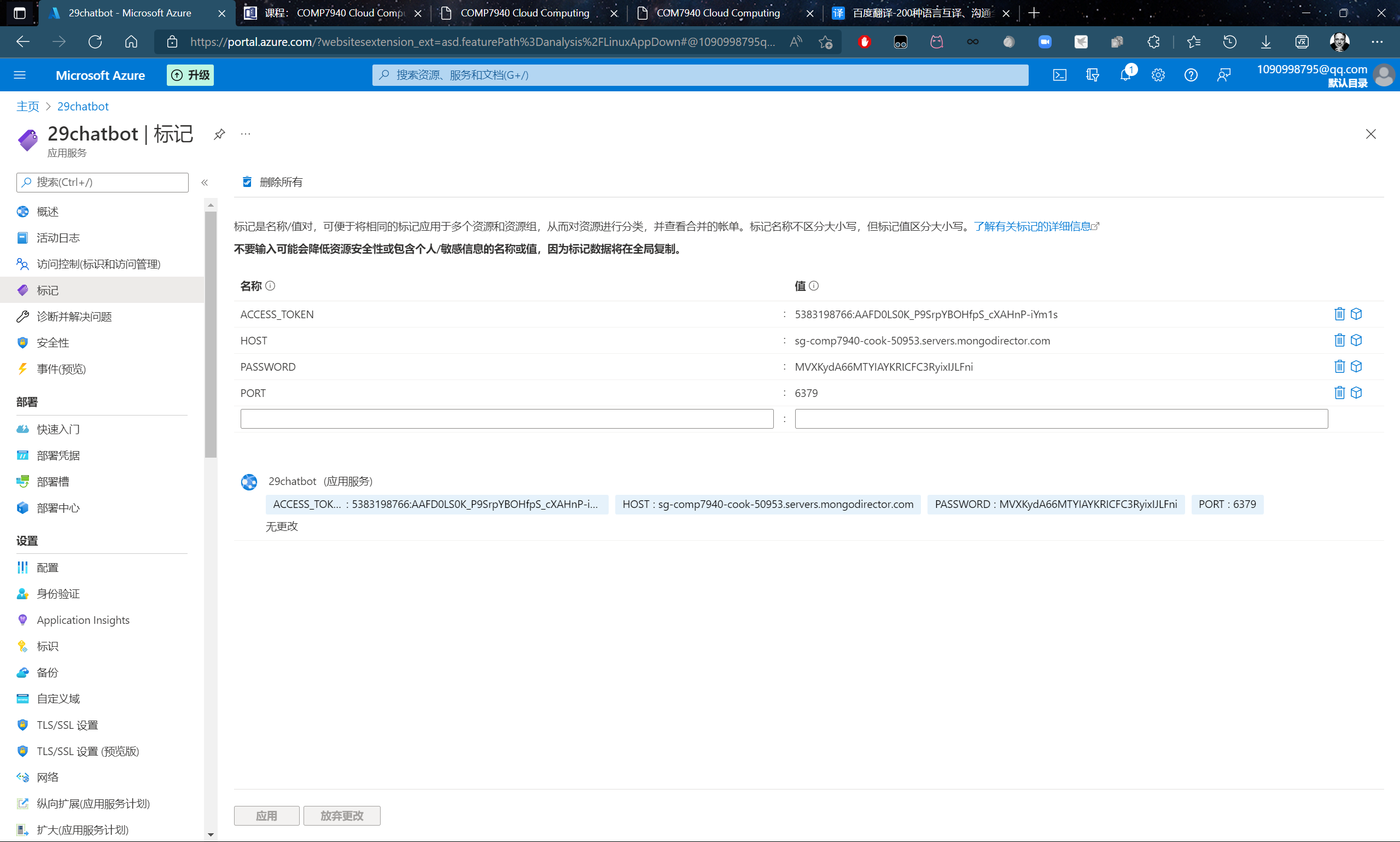






We set the environment variable on the dashboard.

Here is the screenshot.



**Job division**

**GU Yuankang 21414122**

**Build the telegram bot, design the function with code for the bot.**

**Connect the app with a database cloud provider. (ScaleGrid)**

**Complete the Group Project.doc.**

**Han Yaoyang 21463263**

**Optimize some codes and fix bugs.**

**Built a docker container and commit the image to Container Registry.**

**Deploy the telegrambot python app to Azure App Service.**

**Complete the Group Project.doc.**

**Reference**

ScaleBrid. Connect to Redis™ from Your Application [Online] Available: <https://help.scalegrid.io/docs/connect-to-redis-from-your-application>

Microsoft. Quickstart: Deploy a Python (Django or Flask) web app to Azure App Service. [Online] Available: <https://docs.microsoft.com/en-us/azure/app-service/quickstart-python?tabs=flask%2Cwindows%2Cazure-portal%2Cvscode-deploy%2Cterminal-bash%2Cdeploy-instructions-azportal%2Cdeploy-instructions-zip-azcli>