

COMP9323 Project Documentation

DreamTeam

August 8, 2022

1 API Documentation

There are two ways to access API documentation.

You can view the *swagger.json* file under the *backend* folder, this is the JSON file exported from Swagger.

Or, you can view the online Swagger documentation directly through the following steps:

1. configure the environment as described in Part 2
2. then use following command: `python3 apiDoc.py`
3. then visit `http://127.0.0.1:5500/`

2 Environment configuration

2.1 Back-end setup

1. make sure your pip is the latest version, run the following command: `pip3 install update pip`
2. use `cd` command go to the *backend* folder
3. install all libraries by using the following command: `pip3 install -r requirements.txt`
4. make sure you have mysql installed, otherwise you will need to download version 5.7 of MySQL from the official website: <https://dev.mysql.com/downloads/mysql/>

Note: The default user name and password of mysql 5.7 are **admin** and **123456** respectively. This is consistent with the configuration of our project

5. once you download MySQL successfully, run following commands one by one under *backend* folder in the terminal:

```
mysql -u root -p
enter password: 123456
create database intern:
use intern:
source intern.sql:
```

6. run the following command to start backend project: `python3 application.py`

Note: `python3 apiDoc.py` and `python3 application` can not be run at the same time, make sure you terminate `apiDoc.py` using `CTRL C` before you run `application.py`

2.2 Socket Server Setup

1. make sure you have Node.js installed
2. navigate to *socket* folder
3. run `npm install` and `npm start`

2.3 Front-end Setup

1. make sure you have Node.js installed
2. navigate to *frontend* folder
3. run `npm install` and `npm start`
4. visit `http://localhost:3000`

3 Source Code

Access the source code through GitHub link: <https://github.com/Dwyane37/DreamTeam>

4 Version Control

We use Git for version control and project members use their personal accounts for version submission.

Student ID and GitHub Account:

z5289197	-	Shiqi Zhou	-	Dwyane37	(back-end)
z5211485	-	Serena Zhang	-	Serena71	(front-end)
z5330307	-	Hanqiu Wu	-	WuHanqiu	(front-end)
z5285518	-	Xingze Li	-	lxz111111	(back-end)
z5215042	-	Zhibo Hu	-	AblazeArchangel	(front-end)
z5253472	-	Chenglong He	-	Markkk-He	(back-end)

Commit history and member contributions are available on GitHub <https://github.com/Dwyane37/DreamTeam/graphs/contributors>. Member contribution is presented in the Figure 1

5 Project Management

During this project, we used Jira to manage each person's tasks, assign tasks, and monitor each other's work progress. Jira board screenshot is provided as Figure 2



Figure 1: GitHub Contribution

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Q Search

9323-DreamTeam

Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / 9323-DreamTeam

Backlog

Q

5252NEW2

长图故事

Board (51 issues)

0355

✓

AY9323-1

As a student, I want to be able to register my own personal account, so that I can review and collect internships

DONE

52

✓

AY9323-2

As a student, I want to be able to change the password of my account, so that I can keep my account safe.

DONE

52

✓

AY9323-3

As a student, I want to be able to log out of my current account, so that I can change my account.

DONE

52

✓

AY9323-4

As a student, I want to be able to see all the internship information on the homepage, so that I can see all internships directly

DONE

52

✓

AY9323-5

As a student, I want save the jobs I'm interested in, so that I can easily navigate to those job posts and apply late

DONE

52

✓

AY9323-7

As a student, I want to be able to search for jobs by some "hot keywords"

DONE

52

✓

AY9323-8

As a student, I want to be able to search for jobs through job title, so that students can choose jobs that suit their research direction

DONE

52

✓

AY9323-9

As a student, I want to be able to inquire about jobs by job nature, so that I can find a job that matches my workload

DONE

52

✓

AY9323-10

As a student, I want to be able to search for jobs by job location, so that I can find jobs located in my city

DONE

52

✓

AY9323-11

As a student, I want to be able to search for jobs through academic requirements, so that students can find jobs that suit their academic level

DONE

52

✓

AY9323-12

As an employer, I want to schedule the time list about the video meetings, so that students who are interested in this job can join to learn about more details

DONE

52

✓

AY9323-13

As a student, I want to know about the time list about the scheduled video meetings, so that I can select a proper time to learn about more details

DONE

52

✓

AY9323-14

As an employer, I want to be able to register my personal information and business information, so that I can keep information about our company

DONE

52

✓

AY9323-15

As an employer, I want to be able to post internship information so that students can see our recruitment information

DONE

52

✓

AY9323-16

As an employer, I want to be able to modify the internship information I posted so that I can easily change the recruitment information

DONE

52

✓

AY9323-17

As an employer, I want to be able to remove the internship information I posted

DONE

52

✓

AY9323-18

As an employer, I want to be able to set requirements of internship positions I posted, so that I can recruit qualified students

DONE

52

✓

AY9323-19

As a student, I want to edit my personal information such as name, profile picture and date of birth so others can identify

DONE

52

✓

AY9323-20

As a student, I want to edit my education details so that employers can see my educational background

DONE

52

✓

AY9323-22

As a student, I want to include my awards in my profile so that others can see my achievements

DONE

52

✓

AY9323-21

As a student, I want to edit my work experience lists so that employers can see whether my work experience matches with their requirements

DONE

52

✓

AY9323-24

As an employer, I want to access the candidate's profile overview with summary of key information such as personal detail, education, and rel-evant experience, therefore I can develop a quick understa...

DONE

52

✓

AY9323-25

As a student, I would like to be recommended some internship positions based on region

DONE

52

✓

AY9323-26

As a student, I would like to be recommended some internship positions based on major

DONE

52

✓

AY9323-27

As an employer, I would like to be recommended some qualified students based on my requirements and their willing.

DONE

52

✓

AY9323-28

As a student, I want to follow the employer's account so that I can navigate to his/her profile much easier

DONE

52

✓

AY9323-30

As a student, I want to cancel to follow employer so that I can unfollow a company's business

DONE

52

✓

AY9323-32

Front-end project construction, front-end UI, CSS style design

IN PROGRESS

52

✓

AY9323-33

comment history

DONE

52

✓

AY9323-34

apply job dialog

DONE

52

✓

AY9323-35

notification broadcast

DONE

52

✓

AY9323-36

Create login page

DONE

52

✓

AY9323-38

create dialog and front-end interaction to reset password when user forgets

DONE

52

✓

AY9323-39

create form verification for email and password format

DONE

52

✓

AY9323-40

create home page

DONE

52

✓

AY9323-41

create search bar and connect to api

DONE

52

✓

AY9323-42

create search filters

DONE

52

✓

AY9323-43

create a setting page

DONE

52

✓

AY9323-44

allow user to logout from navbar

DONE

52

✓

AY9323-45

saved jobs

DONE

52

✓

AY9323-46

job panel and job card components

DONE

52

✓

AY9323-51

As a student, I want to view all the job feeds posted by an employer from higher profile page

DONE

52

✓

AY9323-47

job detail dialog

DONE

52

✓

AY9323-48

comments

DONE

52

✓

AY9323-49

profile page api connection

IN PROGRESS

52

✓

AY9323-50

create job api connection

DONE

52

✓

AY9323-51

HR create job UI

DONE

52

✓

AY9323-52

create job form (edit)

DONE

52

✓

AY9323-53

hr dashboard

DONE

52

✓

AY9323-54

page condition check based on user type

DONE

52

✓

AY9323-37

create signup page

DONE

52

✓

AY9323-55

create addjob page

DONE

52

✓

AY9323-56

create editjob page

DONE

52

✓

AY9323-57

profile page implementation and ui

IN PROGRESS

52

✓

AY9323-58

HR edit job UI

DONE

52

✓

AY9323-59

Student reply and comment function

DONE

52

✓

AY9323-60

Increase the number of clicks

DONE

52

✓

AY9323-61

As an employer, I want to be able to set requirements of internship postions I posted, so that I can recruit qualified students

DONE

52

✓

AY9323-62

As an employer, I want to be able to remove the internship information I posted

DONE

52

✓

AY9323-63

As an employer, I want to be able to modify the internship information I posted so that I can easily change the recruitment information

DONE

52

✓

AY9323-64

As an employer, I want to be able to post internship information so that students can see our recruitment information

DONE

52

+ Create issue

Backlog (0 issues)

9355

Your backlog is empty.

+ Create issue

Figure 2: Jira Board

4