# 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 lastest 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:

```
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             Shiqi Zhou
                                Dwyane37
                                                   (back-end)
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              Zhibo Hu
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                                                   (front-end)
z5215042
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

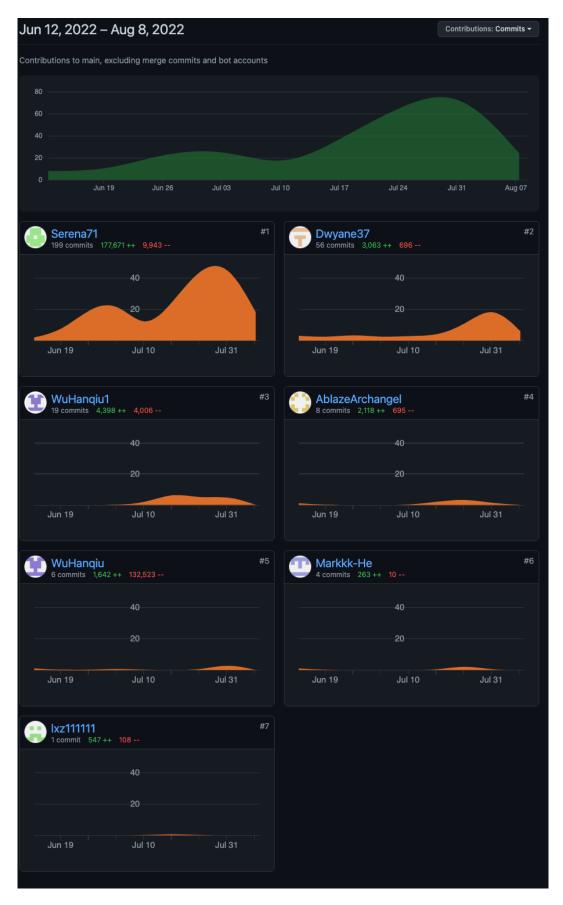


Figure 1: GitHub Contribution



Figure 2: Jira Board