This file is used for re-running our group project. This file contains the following parts: environment setting, run-code procedure. Please follow the procedure correctly.

**Environment settings:**

To make sure that you can re-run our code, we strongly recommend you to use the same develop tool as us. We use the following tools to develop our project: Visual Studio Code, MySQLWorkbench. After you ready the develop tools, please follow the next steps about programming environment.

For programming environment, we make use of the following package to develop. If you miss any one of them, there may some unpredictable problem happening. Please make sure that you download all the package mentioned in the following in Visual Studio Code:

* ejs (version: 3.1.9),
* express (version: 4.18.2),
* Cookie-Session (version: latest),
* mysql (version: 2.18.1),
* nodemon (version: 3.0.1, there is a new version 3.0.2 of nodemon, but we don’t know is there any problem of using the latest version, so we don’t recommend to use the latest version.),
* path (version: 0.12).

We also prepared a method to download all the required package conveniently: enter command *npm i* in the Visual Studio Code’s terminal, then the system would download all the required package at once. However, if there is any problem with this method, please download the required package one by one.

After downloading all the required package, the environment setting is complete. Next, please go to the run-code procedure and follow the instructions.

**Run-code Procedure (Database):**

To re-run our code, we have some preliminary steps since we built a database used for application. So, you need to ready the database first.

Open MySQLWorkbench, and start to set up the database. Here, we need to notice that the database has to set up the user name and password. In our program, we set up the user name as *root* and password as *password*, if you set up other user name or password, just change the information of connection (line 6 to 11) in the 一張含有 文字, 螢幕擷取畫面, 字型 的圖片

自動產生的描述app.js file is fine.

Also, we provide the SQL query to set up the table. Please open the new\_database\_of\_350 file, and run all the code inside it. You can open the all.sql or all other .sql file to run the code. If you open all.sql, then just run the code inside all.sql is enough.

After you run the code in MySQLWorkbench successfully, the database is already set up. Then we can go for the next step.

**Run-code Procedure (Main Program):**

After you set up everything successfully, you can go back to Visual Studio Code and open the terminal. Enter *nodemon app* and the server would be start running. Then, open the browser (we recommend to use google chrome as the browser) and enter *localhost:3000* in the searching bar. Finally, you would get to our index page, and use our website.

That’s the whole procedure of re-run the program code.