Installation Guide

1. Database

Install MySQL from the official website: *https://dev.mysql.com/downloads/mysql/*

Then run CMD with an administrator and run:

> *mysqld --initialize --user=mysql –console*
>
> *mysqld –install mysql*
>
> *net start mysql*

Then you can login to MySQL:

> *mysql -uroot -p*

Then alter the password:

> *ALTER USER 'root'@'localhost' IDENTIFIED BY 'MyPassword'*

And then you can login to MySQL with the new password:

> *mysql -uroot -p*

Finally open the "database-file" folder and run the "allocation-system-database-file.sql" file on the MySQL workbench to install the database.

2. Node.js

You need to install Node.js: *http://nodejs.cn/download/*

Then check the installation:

> *node -v*
>
> *npm -v*

3. Back End

Now we can start to deal with the back-end code. Open the "allocation-system-backend" folder with Visual Studio Code and type in the following words in VSCode cmd and run it:

> *npm install –force*

Then we can run the back-end project:

> *npm start*

4. Front End

Open the "allocation-system-frontend" folder with Visual Studio Code and type in the following words in VSCode cmd and run it:

> *npm install –force*

Then we can run the front-end project:

> *npm start*