**Project 4 Part 2 Report**

# Team members

Dafei Du 9328-7153

Yuhao Shi 1707-3591

1. **Basic Requirements: Finished**
2. **Introduction**

We have Program.fs and index.html in this project.

We use suave to implement this project. Here is the reference: <https://github.com/SuaveIO/suave/blob/master/examples/WebSocket/Program.fs>

1. **Compile**

First, input “dotnet run” to compile the code.

Text

Description automatically generated

Copy 127.0.0.1:8080 and paste this in your browser (chrome) and then you will see the Twitter Simulation interface.

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

1. **Functionalities**

* **Register**

You should create your username and password, then click sign up button. Once your account is registered successfully, terminal will send you feedback.

You are allowed to register multiple accounts.

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

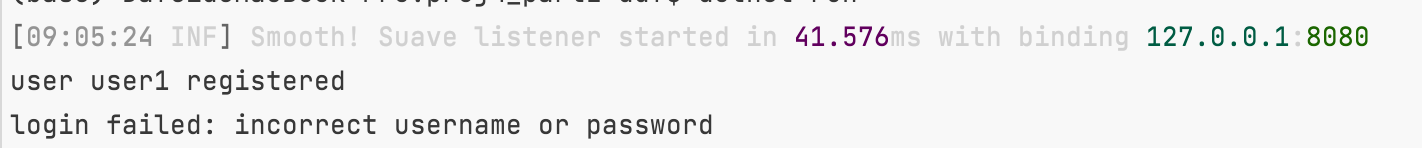
Description automatically generated**

* **Login**

After you register an account, you can login. Make sure you input correct username and password, otherwise, you will get a warning.

Graphical user interface, text, application

Description automatically generated



Once you login your account successfully, you can explore more functionalities.

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

* **Subscriptions**

Input a valid username to subscribe.

Graphical user interface, text, application, chat or text message

Description automatically generated

Text

Description automatically generated with medium confidence

* **Send Tweet**

Write some words in text box and click send button. You’ll get the tweet showing below.

**Graphical user interface, text, application, email

Description automatically generated**

**Text

Description automatically generated**

**Text

Description automatically generated with medium confidence**

* **Search Tweet**

You can search tweets by typing tag or any key word.

**Text

Description automatically generated with medium confidence**

**A picture containing text

Description automatically generated**

**Text

Description automatically generated with low confidence**

**Text

Description automatically generated**

* **Retweet**

Input another valid username to retweet.

Graphical user interface, text, application, chat or text message

Description automatically generated