COMP9322 - Chatbot by Wincent Winarko (z5240353)

Technology

Frontend:

- react
- create-react-app
- react-chatbot-kit (https://www.npmjs.com/package/react-chatbot-kit)
- styled-components

Backend:

- python 3
- flask
- flask-cors
- swagger-py-codegen
- mysql-connector-python
- WIT.ai

Database:

- MySQL

Directory Tree

```
root
|- chatbot (chatbot interaction)
    |-frontend
    |-backend
|- cinema (Cinema service)
    |- swagger.yaml
    |- cinema-app
        |- Dockerfile
        |- requirement.txt
        |- cinema
|- database (Mysql container)
    |- docker-compose.yaml
    |- init
        |- basedata.sql
```

Instruction

1. Create docker network

   `$ docker network create chatbot-network`

2. Cd to `./database`

3. docker-compose build and up cinema service and database(database on port 5432 and cinema on port 5001)

```
$ docker-compose up --build
```

```
 4. Open new terminal
 5. Cd to `./chatbot`
 6. Set up the backend
 7. Cd to ./backend/chatbot-app-ui
 8. `$ pip3 install -r requirement.txt`
 9. Cd to `./chatbot-ui`
10. Run the chatbot backend server (it will run on port 5000)
```

```
$ python3 __init__.py
```

11. Open another terminal
12. Cd to `./chatbot/frontend`
13. Run `npm install` to install all required packages
14. Run `npm start` and enjoy the chatbot (frontend on port 3000)

Credential

wit.ai account

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