

COSC 4P02 Progress Report 2

1- Write the name of the group and the list of your group members.

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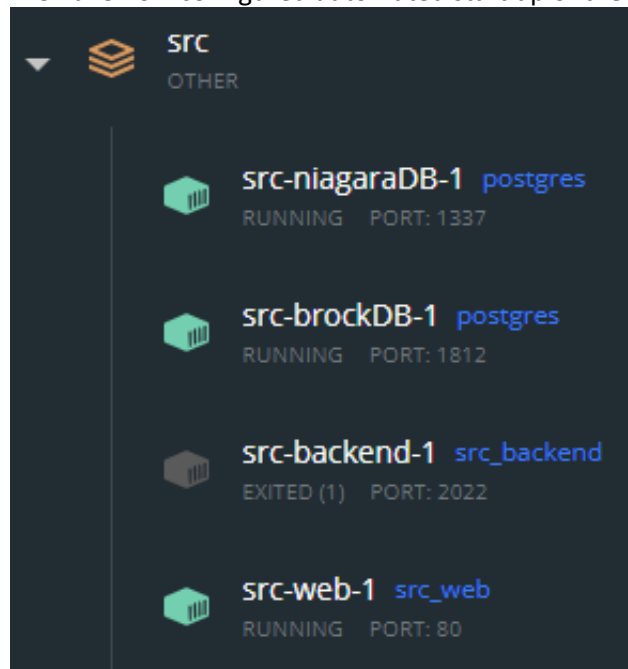
Justin Zhang jz16ig@brocku.ca (6217251)

Sabih Zubair sz18oj@brocku.ca (6552152)

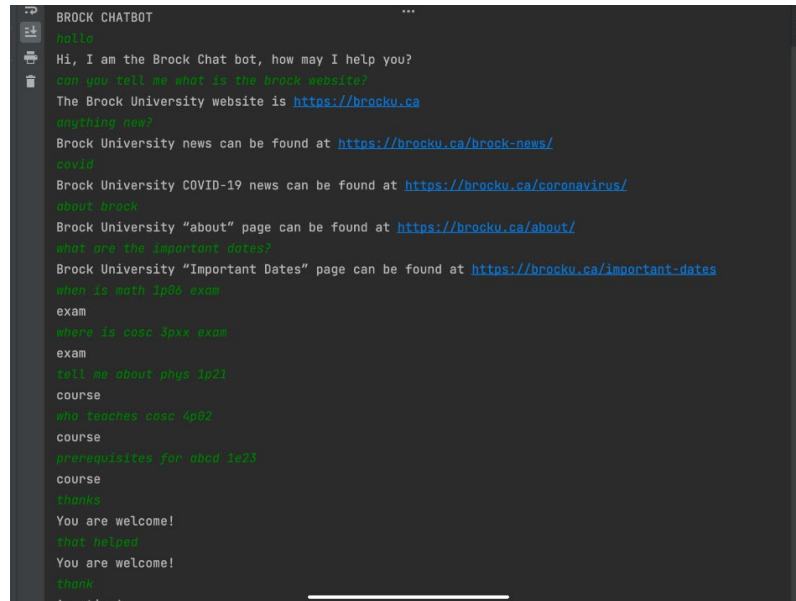
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2- Include a brief list/description of the features (subsystems) you planned to implement in each sprint and whether or not you accomplished them.

- Docker Containers for Deployment
 - We have now configured automated start up of the docker containers.



- Preliminary NTLK testing



```
BROCK CHATBOT
...
hello
Hi, I am the Brock Chat bot, how may I help you?
can you tell me what is the brock website?
The Brock University website is https://brocku.ca
anything new?
Brock University news can be found at https://brocku.ca/brock-news/
covid
Brock University COVID-19 news can be found at https://brocku.ca/coronavirus/
about brock
Brock University "about" page can be found at https://brocku.ca/about/
what are the important dates?
Brock University "Important Dates" page can be found at https://brocku.ca/important-dates
when is math 1p00 exam
exam
where is calc 3xxx exam
exam
tell me about phys 1p21
course
who teaches econ 4p02
course
prerequisites for abcd 1a23
course
thanks
You are welcome!
that helped
You are welcome!
thank
```

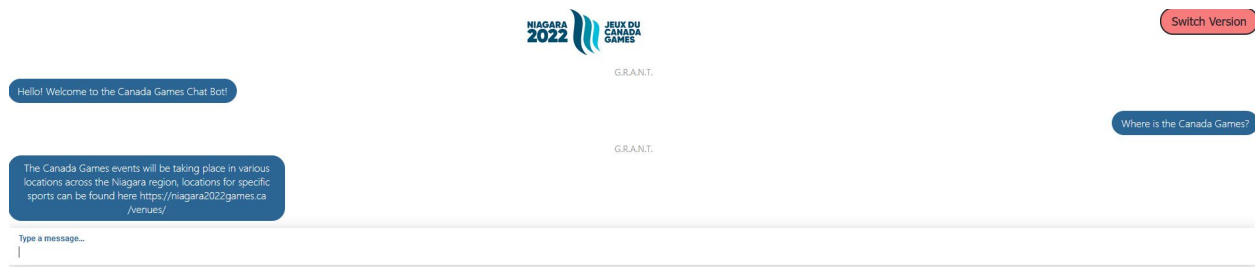
- We have completed some preliminary testing of setting up and figuring out how the NTLK works.
- Preliminary NTLK Set Up and Configuration
 - We have converted our Local machine NTLKs over to the server.
- Response Generation
 - The goal was to have better response generation built off of our acquired database.
 - Our current configuration is still currently working off of a limited dataset.
- Database Design
 - Rough sketches have been completed.
 - Niagara Games has been sketched.
 - PostgreSQL table creation has been completed.
 - Brock University has been sketched.
- Database Merge
 - The database from our local machines has started to merge over to our production docker setup.
- Frontend API communication
 - Front end API communication has been set up through the REST framework.
- Project Restructuring
 - Restructuring the base project to better work with how the project structure flow will take place.

3- Include a brief list of features (subsystems) that you plan to implement in the following sprints.

- Frontend Spruce Up
 - Multi Device (Web app testing)
 - Response Indicator
- Larger NTLK response database
 - Brock University Database needs more data
 - Look into API scraping of Brock course database.
 - Look into exam scraping.
 - Niagara games response generation needs to be created

- 4- Include screenshots if you have a working version of the system.





GIF animations:

<https://gyazo.com/62ed5945b5c98d6e5074fd5863ea7cec>

<https://gyazo.com/8f5f217edd425dcbb2253dfba8f7ae81>

5- Mention any issues you encountered.

Nothing large to mention aside from general programing issues as well as general schedule conflicts.

6- Describe the contributions and achievements of each member of the group.

Aldric

- Started initial set-up and testing on NLTK backend
- Got a working initial version of a response generation for Brock University Questions
- As Justin and I were both working on the NLTK, looked at each other's versions and discussed what to go on with
- Started work better response generations in taking in the input and getting more detailed responses
- Modernizing the front end some more with blurs and small animations

Arin

- Set up front end API communication with REST
- React Messaging response UI
- Designed infrastructure layout for Django backend -> API -> database -> front end
- Designed new edited front-end UI, cleaned up unfinished sections
- Simplified backend architecture to serve both versions of the webapp
- Created message structure for API, header and body formats
- Various front-end tickets

Grant

- Worked on creating a DB design for Niagara games DB.
<https://drawsql.app/brocku/diagrams/cosc4p02> A rough first draft is on DrawSQL.
- I have started gathering and figuring out how to access the data needed from the Niagara games and athlete sites.
- I also worked on setting up an example PostgreSQL database on my local machine which is being converted over to our mobile docker containers.
 - SQL Table create statements created.
- Got on a call with the team to help consolidate all of the working parts (Docker, Databases, NTLK, Front) into one project.
- Worked on backend API to communicate with the Frontend through REST.

Justin

- Configuration of Preliminary NTLK settings.
- Worked on NTLK processing to work with small brock university sample database.
 - Response creation
 - Tag/Keyword detection

Sabih

- Worked on creating the Brock University Database Design.
- Created the Rough ER Diagram Draft which I will base the DB Tables on.
- Gathered information of the data which will be used (Course names, professor names, Brock news etc.)
- Working on PostgreSQL on my local machine to get the tables up and running, will fill them out as I go along.

Thanik

- Started on Docker container implementation of the Cloud Container Framework
- Configured intercommunication between different containers within the Docker instance
- Database configuration of the docker containers
- Got working docker containers for all members of the team
 - Docker Configuration Wiki created for the project.

7- And anything else you would like to add.