1. Instructions for the teaching assistant

Implemented optional features

1. Implement monitoring and logging for troubleshooting

Instructions for examiner to test the system

Starting point of this project is previous message queue project. There are five service now and new one is service_api. After cloning the project set directory to message_queue. Run the command docker compose up -build

Then ping localhost:8083 and you can view the front page and operate the project from there.

For testing, set the directory to service_api and run "npm test". Remember node modules.

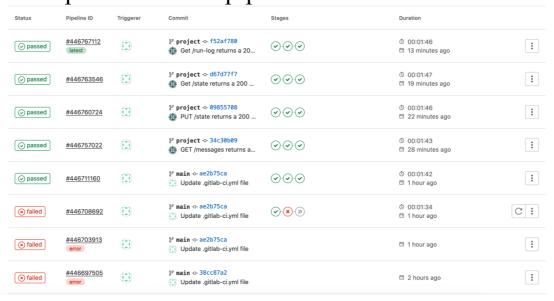
2. Description of the CI/CD pipeline

After installing gitlab runner. I registered the gitlab runner with registration token and I am able to see the runner on my active runner list. This active now responsible for all pipelines for the project.

Reference-

 $\underline{https://gist.github.com/barnybug/e988cfcd937e7414187c51f4d1e2cb82\#file-docker-compose-yml}$

3. Example runs of the pipeline



4. Reflections

Main learning for the project is gitlab runner. I missed a point and was trying gitlab runner on course GitLab. Later Kari Sir helped me to understand what was wrong. That's

why may be on this repo not enough commits you will find. I faced difficulties with it. Implementing service api was also challenging but in the end it works fine.

Amount effort (hours) used

I spent more than 100 hours. Although I was stuck on a silly issue of GitLab.