**CSC 667/867**

**Internet Application Design and Development**

# Reddit-Lite

By


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## Final Project Reflection

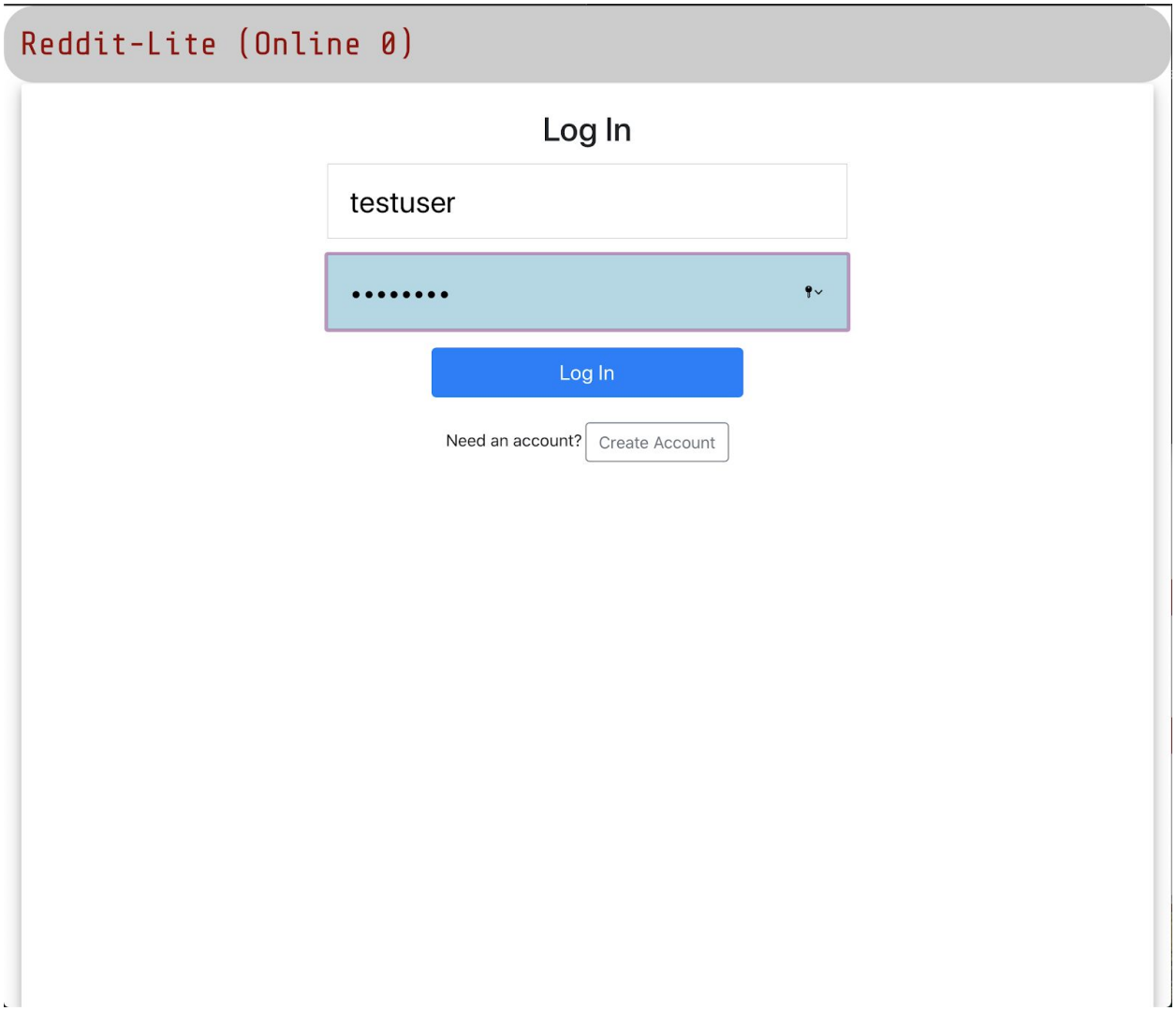
The project so far is not complete since we are still missing dockerizing and conveyor. Apart from that, the basic app is working on the server and we have not had much improvement since the presentation. The hardship we have encountered is mainly from the fact that most of the team members not holding up their end of the bargain which pretty much overloaded 3 of us (Alexander Caley, Michael Gilbert, and Phyo Htut). Alexander worked on the endpoints, Michael worked on database, and I worked mainly on the frontend.

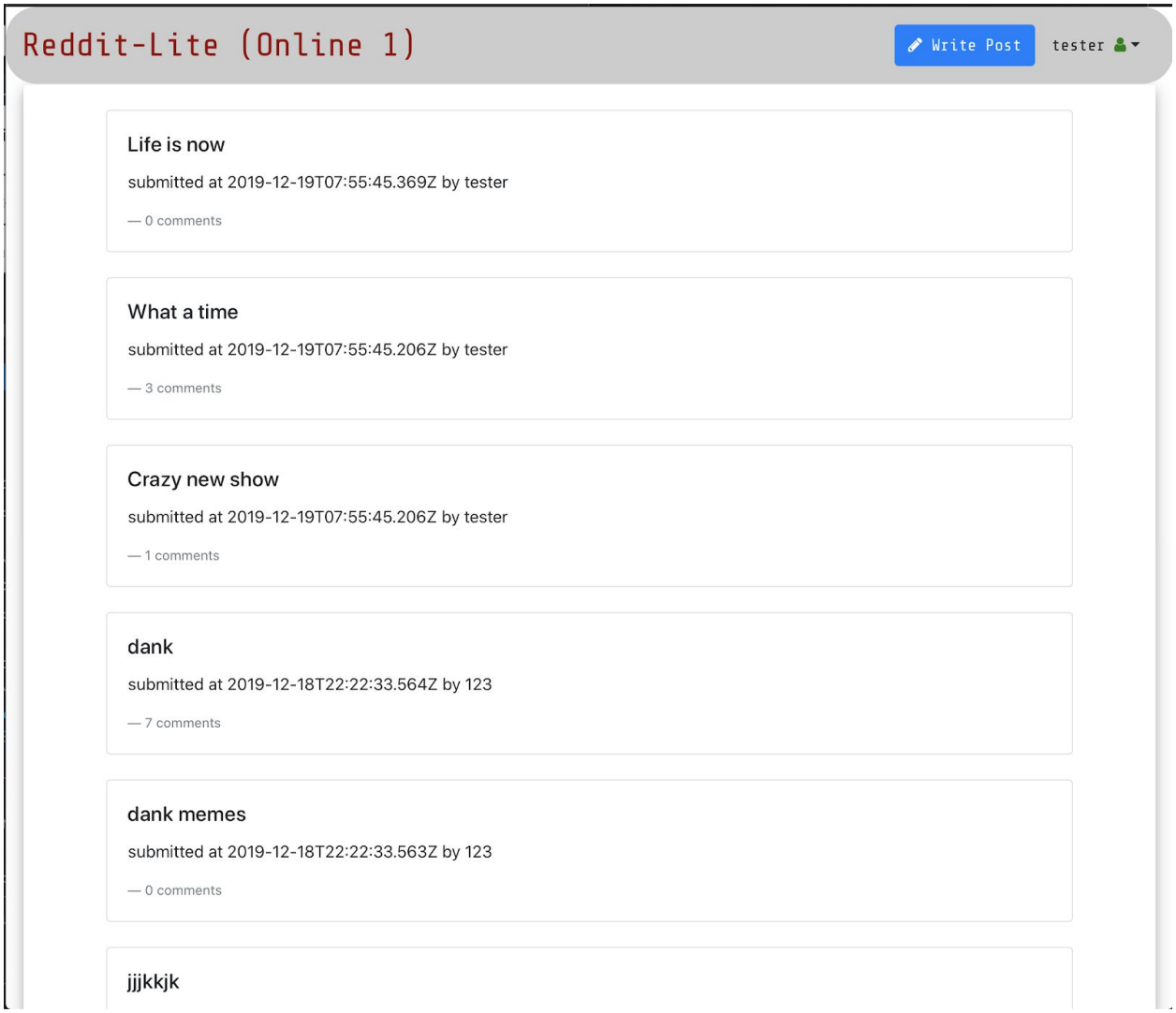
So far, React and Redux manages the states in the frontend while we listen to Websocket to see how many users are logged in. The ‘Online #’ reflects the amount of people currently logged in and the number only decreases if the users have logged out prior to closing the window. Due to the glitch, we removed the auto refresh when people post. The feature was available during the presentation but we could not manage to fix the unintended behavior. Apart from the aforementioned issues, everything else works fine.

Currently, all the Frontend (FE) requests hit the gateway.js in the Backend (BE), which then hit the Redis server to check for authentication. If the authentication is rejected, the user is routed back to main FE page (Log In). If the authentication is approved, FE state update to logged in which allow the user to experience the web application at the fullest. Given that the user is authenticated, the requests will be routed to respective servers and respective tasks will be handled with their respective micro-services. For instance, when the user create the post, the request will first enter the gateway then routed to postServer.js where the server communicates with the database to write onto the database. While writing to the database is being handled, the web application waits and only locally updates if the request was a success. This architecture is shared among all the other microservices inside the project.

All in all, we are still happy with our final result even though not all the specifications of the final project are correctly implemented.

## The Final UI


Reddit-Lite (Online 0)
Log In
testuser
Log In
Need an account?
Create Account


Reddit-Lite (Online 1)
Write Post
tester
Life is now
submitted at 2019-12-19T07:55:45.369Z by tester
— 0 comments
What a time
submitted at 2019-12-19T07:55:45.206Z by tester
— 3 comments
Crazy new show
submitted at 2019-12-19T07:55:45.206Z by tester
— 1 comments
dank
submitted at 2019-12-18T22:22:33.564Z by 123
— 7 comments
dank memes
submitted at 2019-12-18T22:22:33.563Z by 123
— 0 comments
jjjkkjk


Reddit-Lite (Online 1)
Write Post
tester
What a time
By tester
This is the time to be alive
3 Comments
Comment
to be alive
By tester at 2019-12-19T07:55:45.168Z
Reply
nice one
By tester at 2019-12-19T07:55:45.168Z
Reply
your so right
By tester at 2019-12-19T07:55:45.319Z
Reply


Reddit-Lite (Online 1)
Write Post
tester
Create Post
Title of the post...
Description of the post goes here...
Submit


Write Post
tester
Logout


Reddit-Lite (Online 0)
Sign Up
EMAIL
USERNAME
PASSWORD
PASSWORD
Sign Up
Already have an account
Go To Log In Page