



INTERNET AND WEB SYSTEMS 1

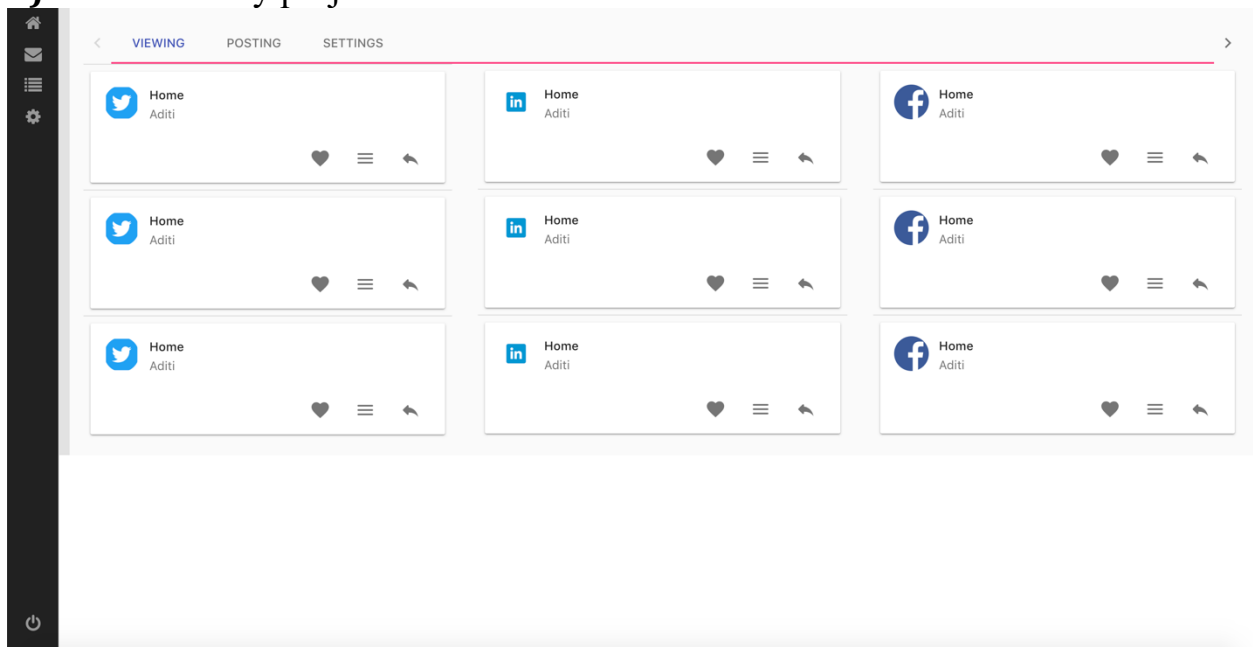
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Report- Week 9

Summary:

Facebook OAuth will work is as follows:

- The user will click on Facebook login button. This will invoke a Facebook URL.
- Once the Facebook URL is invoked Facebook will validate whether the application ID is correct or not and if correct it will redirect the client to its login page.
- Once the user finishes entering his/her Facebook credential, Facebook will validate those credentials and redirect to browser with a redirect URL.
- Now the browser will call your redirect URL. And this redirect URL in turn will call Facebook to request for access token.
- Facebook upon validating your credentials will respond back with the access code.
- Redirect URL page will again call Facebook to request the user data by sending the access Code.
- Facebook will validate the access code and reply back with the data that you requested.
- During this week mostly, I worked on integration part and I am trying to post on Facebook which is a challenging part. Also, tomcat sever is crashing again and again because of which also I am taking so much to finish my project.

1) this is how my project UI will look like



2) when you choose Facebook

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/facebook'. The page content includes a 'Login flow for Web Applications:' section with a 'Login with Facebook' button. Below this is a 'Login from Devices:' section, also with a 'Login with Facebook' button. A 'Welcome ()' message is followed by a link to 'Access Token Info'. There is a text input field with a 'statuses' label and a 'logout' link. At the bottom, a browser tab is visible with the address 'localhost:8080/signin'.

3) redirects to Facebook

The screenshot shows the Facebook login page in a web browser. The address bar displays a URL starting with 'https://www.facebook.com/login.php?skip_api_login=1&api_key=186055028795159&signed_next=1&next=https%3A%2F%2Fwww.facebook.com%2Fv2.12%2Fdialog%2...'. The page features the Facebook logo and a 'Sign Up' button. The main content area is titled 'Log Into Facebook' and contains a login form with fields for email/phone and password. Below the form are buttons for 'Log In' and 'Create New Account', along with links for 'Forgot account?' and 'Not now'. At the bottom, there is a language selection bar with options like English (US), Español, Français (France), etc.

Milestone Accomplished:

- Trying to integrate the entire code using angular js, html and CSS as front end and java as a backend.

- Integrating of the 3 social platform is taking a huge amount of time and I am still working on this.

Problems encounter:

- tomcat serving shows an error message” an internal error has occurred”.
- When I am trying to do maven clean it says” maven clean cannot be done”

Problems solved:

- Cleaned the server multiple times in eclipse
- Cleaned the project multiple times in eclipse.
- Checked the force update of snapshot/releases in eclipse as sometimes maven dependencies don't get update with time so we have to do it manually.
- Checked the build automatically in eclipse.

References:

- <https://stackoverflow.com/questions/21245796/javax-net-ssl-sslhandshakeexception-remote-host-closed-connection-during-handsh>
- <https://developers.facebook.com/>
- <https://developers.facebook.com/docs/facebook-login/manually-build-a-login-flow/>
- <https://mvnrepository.com/artifact/org.facebook4j/facebook4j-core>
- <https://dzone.com/articles/creating-a-spring-boot-project-with-eclipse-and-ma>
- <https://docs.spring.io/spring-boot/docs/current/reference/html/getting-started-first-application.html>