



# INTERNET AND WEB SYSTEMS 1

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Report- Week 8

## 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 integrate Facebook. Also, if someone wants to post something on their website, they can do it, so I am working on that part also. This week mostly I was troubleshooting the integrating problems and working on sign-out servlet for Facebook.

## Milestone Accomplished:

- Created sign-out servlet successfully
- Started working out Facebook posting so that the post which I am trying to share will get posted on Facebook.
- Started integrating the entire code using angular js, html and CSS as front end and java as a backend.

## Problems encounter:

- Not able to integrate the code properly as I am new to angular Js.
- While trying to integrate LinkedIn I encountered an error “javax.net.ssl. SSLHandshakeException”
- Integration of all the 3 socials management platform is difficult and I am still working on this part.
- While deploying it on local host tomcat serving is not working properly sometime and shows an error message” an internal error has occurred”

## Problems solved:

- I solved the LinkedIn integration problem and found out that it is because java 7 default's to TLS 1.0 which can cause this error when that protocol is not accepted. Therefore, I have to add Dhttps.protocols=TLSv1.1, TLSv1.2.

## 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>

