DB:

• tables:

Users: to make auth for user and save access tokens of facebook, twitter and google. social_media:to save retrieved data from social media

• implemented by JDBC .

Scenario:

- Ask user for his name and his access tokens of his social media
- check if access token of facebook and twitter is found or not :

if not found user:

- 1) login in system by insert name, facebook access token, twitter access token, google access token, and login time.
- 2) Retrieve data from facebook, twitter and google and save useful info like email in db.
- 3) Print welcome msg to user.

If found: update login time in db

Note that:

- twitter api don't retrieve Email because user can sign up using number phone instead of
 email address and for restricted role. If you're interested in a user's email address, you'll
 have to ask the user for it within your own application as a completely distinct act.
- I don't need merge system in my app because I use one table to save all social media information in social media table so user has one account for all his data.

Library and jar files used are:

- facebook4j → for fb connection
- twitter4j → for twitter connection
- google-api-java-client → for google connection

classes:

- JDBC : java class to connect jave to mysql database and it has db configration.
- FacebookConf: java class for configration facebook API and define some helper functions.
- TwitterConf: java class for configration twitter API and define some helper functions.
- GoogleConf: java class for configration twitter API and define some helper functions.