Scala in Practice
lab 08

Acceptance criteria:

Create Facebook app in Scala:
- Attach any *Facebook Graph API client*. Code below is based on *RestFB*[1] (version 3.0.0) written in Java:
  - *Build.sbt:*

    ```
    ...
    libraryDependencies +="com.restfb" % "restfb" % "VERSION"
    ```

  - ```
    object FacebookAdapter {
        private val myAppSecret = ??? //any String (or Note1)

        class MyFacebookClient(currentAccessToken: String)
         extends DefaultFacebookClient(
                 currentAccessToken,
                 myAppSecret,
                 Version.VERSION_5_0) {
                   //currentAccessToken is any String (or Note1)
                   ...
        }

        ...

        def getUser(accessToken: String, id: String) = ... {
         val client = new MyFacebookClient(accessToken)
         val user = client.fetchObject(id, classOf[User])
         user
        }

    }
    ```

- Create abstractions to support functionality:
  ```
  def compareLikes(logFile: String,
                   user1: String, user2: String): Unit = ???

  //All computations should run in parallel:
  //1. Get user with id=user1
  //2. Get user with id=user2
  //3. Extend file (or create new file if not exist) in
  //   path=logFile with line: $CURRENT_TIME $user1 $user2
  ```

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1   https://restfb.com/documentation/

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```
//4. Print on screen:
   ${user1.name}, likes: ${user1.getLikes.getTotalCount} vs.
   ${user2.name}, likes: ${user2.getLikes.getTotalCount}
```

- Create *application entry-point* object with some example run of *compareLikes* functionality

Note1: (**Grade will be based only on code-review**) For integration testing with Facebook your app needs to be registered - values *accessToken* & *appSecret* should be provided by Facebook.
Google: "*How to get facebook access token*".

Note2: Dont use any **nulls** & **vars**

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