

# Scala in Practice

## lab 08

### Acceptance criteria:

Create Facebook app in Scala:

- Attach any *Facebook Graph API client*. Code below is based on *RestFB*<sup>1</sup> written in Java:
  - *Build.sbt*:

```
...
libraryDependencies += "com.restfb" % "restfb" % "3.0.0"
```

```
◦ object FacebookAdapter {
  private val myAppSecret = ??? //any String (or Notel)

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

  ...

  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
```

<sup>1</sup> <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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