

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 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
```

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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