



Workshop Firebase

Summary

- I. Create & link a Firebase project to Xcode
- II. Sign up page
- III. Log in page
- IV. Forgot password page

I. Create & link a Firebase project to Android Studio

In order to setup your project we will need to follow this tutorial:

<https://firebase.google.com/docs/ios/setup>

I have already implement Firebase dependencies to the project. Who will only need to create a Firebase project, enable email Auth, and add google-services.json to your Xcode project.

II. Sign up page

In order to send a recovery mail you will need to implement this code into the createUserAccount function which can be found in SignUpActivity.kt (you will also need to init FirebaseAuth var). You may want to take a look to checkValues function in order to understand how to handle crash/error on input Text.

```
func createUser(email: String, password: String, _ callback: ((Error?) -> ())? = nil) {
    Auth.auth().createUser(withEmail: email, password: password) { (user, error) in
        if let e = error{
            print("Error: \(e)")
            return
        }
        print("Register Success !")
        callback?(nil)
    }
}
```

How to init auth variable:

```
var handle: AuthStateDidChangeListenerHandle?

override func viewWillAppear(_ animated: Bool) {
    handle = Auth.auth().addStateDidChangeListener { (auth, user) in
        // ...
    }
}

override func viewWillDisappear(_ animated: Bool) {
    Auth.auth().removeStateDidChangeListener(handle!)
}
```

III. Login page

In order to send a recovery mail you will need to implement this code into the userLogin function which can be found in loginActivity.kt (you will also need to init FirebaseAuth var). You may want to take a look to checkValues function in order to understand how to handle crash/error on input Text.

```
func login(withEmail email: String, password: String, _ callback: ((Error?) -> ())? = nil) {
    Auth.auth().signIn(withEmail: email, password: password) { (user, error) in
        if let e = error {
            print("Login Error : ", e.localizedDescription)
            return
        }
        print("Login success !")
        callback?(nil)
    }
}
```

IV. Forgot password

In order to send a recovery mail you will need to implement this code into the sendPassword Function which can be found in ForgotPassActivity.kt (you will also need to init FirebaseAuth var).

```
func sendPasswordResetlogin(withEmail email: String, _ callback: ((Error?) -> ())? = nil) {
    Auth.auth().sendPasswordReset(withEmail: email) { error in
        if let e = error {
            print("Error : ", e.localizedDescription)
            return
        }
    }
}
```