Workshop Firebase

Summary

I. Create & link a Firebase project to Android Studio

In order to setup your project you will need to follow this tutorial:
https://firebase.google.com/docs/android/setup

I have already implemented Firebase dependencies to the project. You will only need to create a Firebase project, enable email Auth, and add **google-services.json** to your Android Studio 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 at the **checkValues** function in order to understand how to handle crash/error on input Text.

```kotlin
auth.createUserWithEmailAndPassword(email, password)
    .addOnCompleteListener(this) { task ->
        if (task.isSuccessful) {
            // Sign in success, display a Toast saying "Success"
        } else {
            // If sign in fails, display a Toast sating "Failed".
        }
    }
```

How to init auth variable:

```kotlin
auth = FirebaseAuth.getInstance()
```

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 at the **checkValues** function in order to understand how to handle crash/ error on input Text.

```kotlin
auth.signInWithEmailAndPassword(email, password)
    .addOnCompleteListener(this) { task ->
        if (task.isSuccessful) {
            // Sign in success, display a Toast saying "Success"
        } else {
            // If sign in fails, display a Toast saying "Failed"
        }
    }
```

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).

```kotlin
auth.sendPasswordResetEmail(emailAddress)
    .addOnCompleteListener { task ->
        if (task.isSuccessful) {
            // Inform user that email have been sent with success
        } else {
            // Inform user that an error have been occurred
        }
    }
```