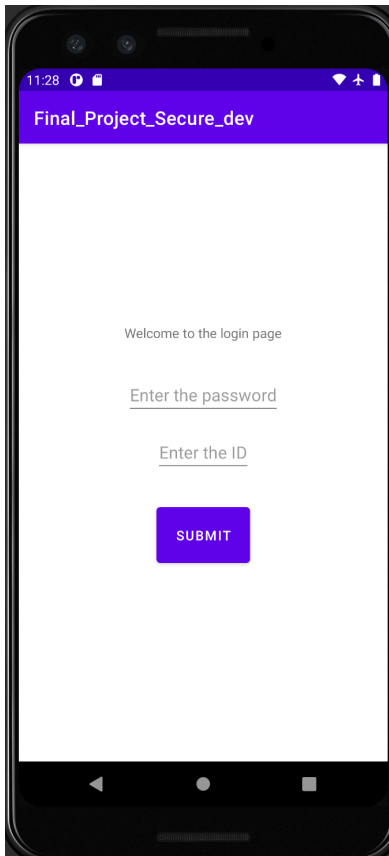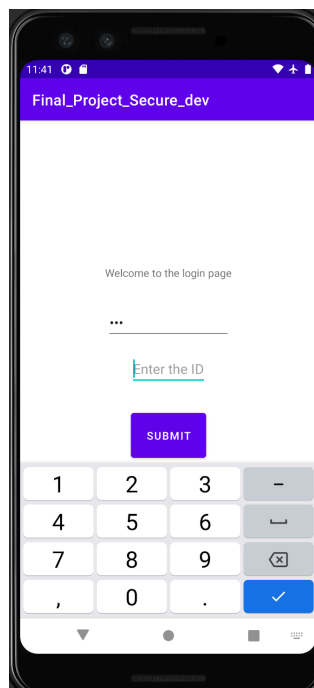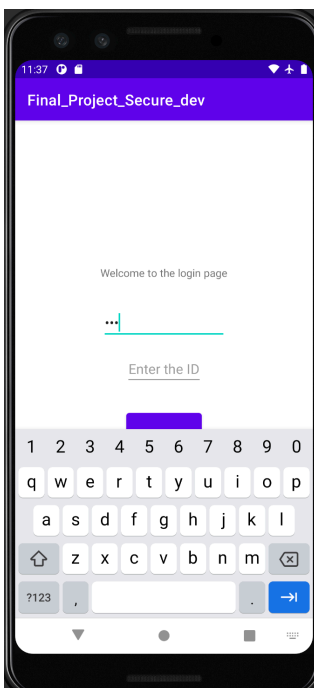# USER EXPERIENCE

Presentation of the main page

Here is the login page when the user can enter his password and his ID to have access to his accounts.

The main page is composed of :

- Text to welcome the user

- A password text field, for the user to have a secure access to the application

- An Id text field, for the user to enter the application with his information

- Submit button to submit those text field and go to the account page

- The password text field hide what the user is typing with dot instead of plain text.

- In ID text field the user can only enter number since the ID must be a number

USER EXPERIENCE
## 1ˢᵗ case: User enter wrong password and/or wrong Id
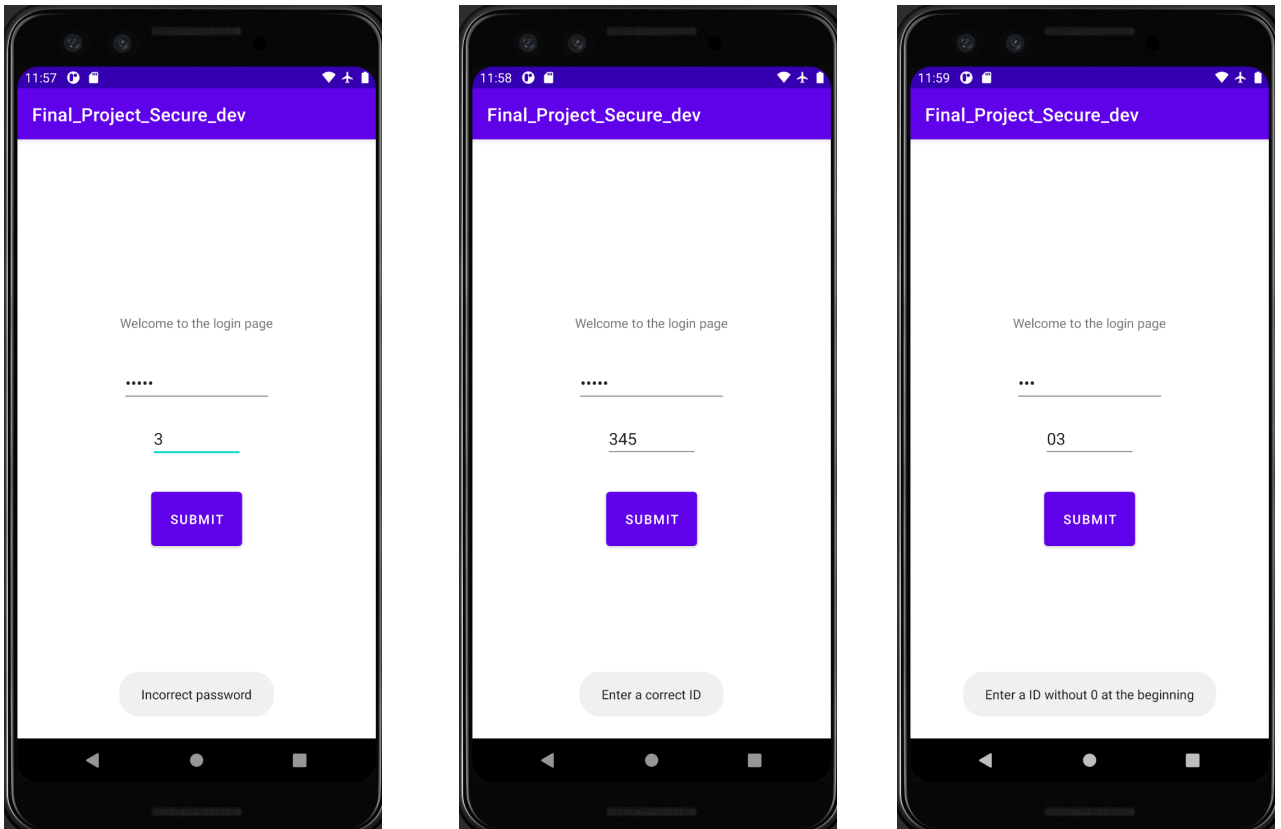
Here we try several examples of wrong passwords or Id and submit button is clicked :

1. If the user enter a wrong password, or no password, a toast indicates the user that the password is incorrect

2. If the user enter a wrong Id (not between 0 and 73) with the good password, a toast indicates the user that the Id is incorrect

3. If the user enter a wrong Id (start the Id with a zero) a toast indicates the user that the Id is incorrect

4. If the Id and the password are incorrect, both toast are shown

Since the user enter wrong password and/or Id he can't access the accounts page.

USER EXPERIENCE

## 2nd case: User enter good password and valid ID and there is network connection
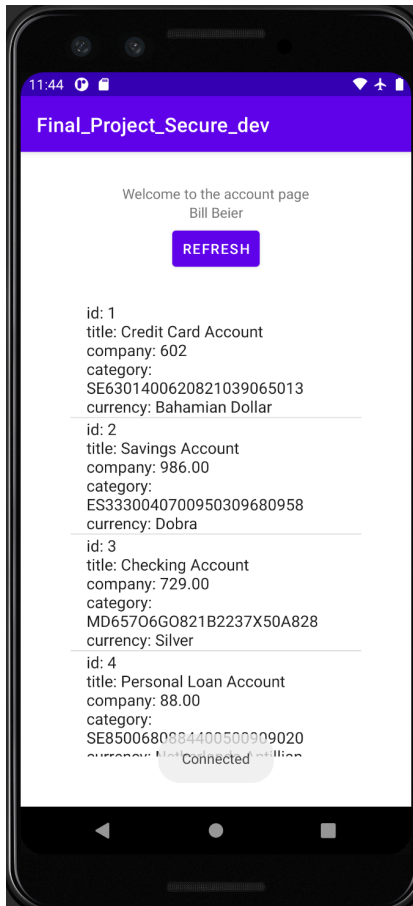
Here is the Accounts page when the user has entered the good password and his ID to have access to the list of his accounts.

You can see that a toast indicates the user that he is indeed connected to a network meaning the information has been retrieved from the API.

The Accounts page is composed of :

- Text to welcome the user with his name and last name (recovered from the API corresponding to his Id)

- A refresh button that allows the user to refresh the information of his accounts

- A list View of all his accounts recovered from the API with a TLS connection
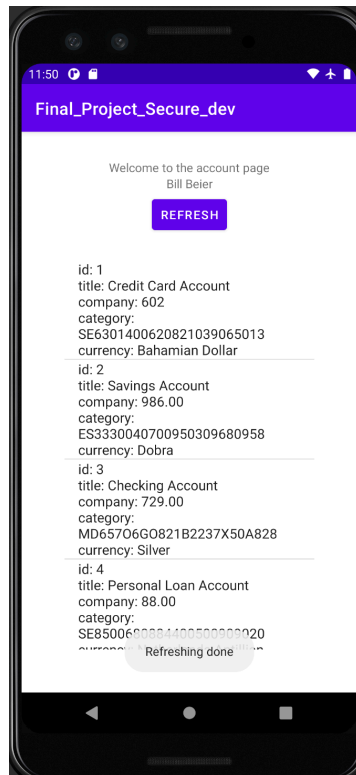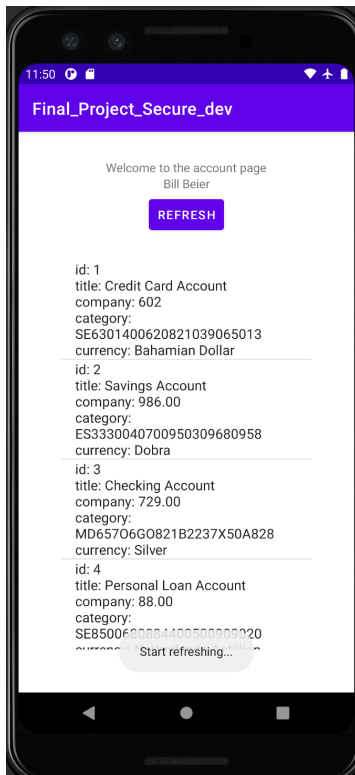

When the refresh button is clicked:

- A coroutine connect to the API and retrieve the information of the account with a TLS connection

- You can see there is toast that indicates to the user when the refreshing start and when its done

- Also, a toast indicate that the refreshing has been done from the API if there is a connection (not shown in the screenshot)
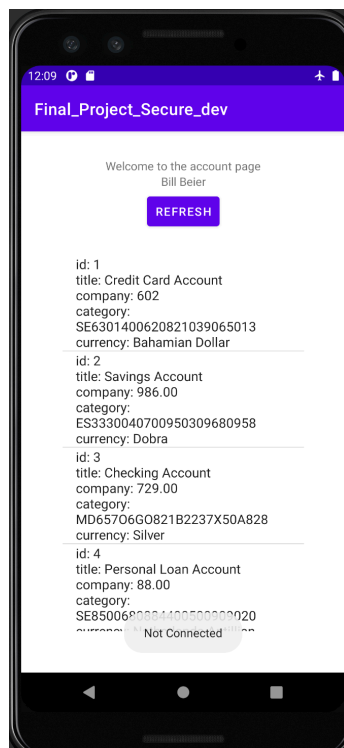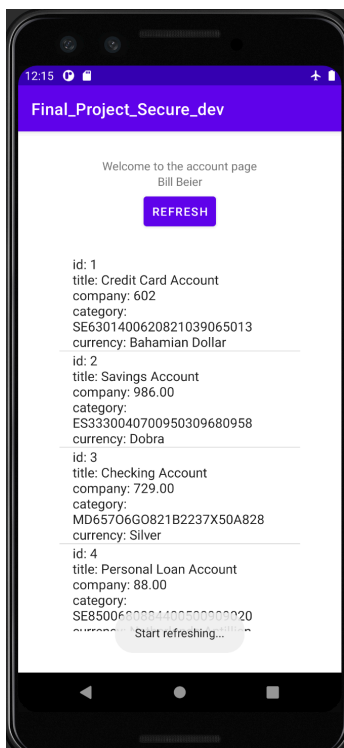
USER EXPERIENCE

3rd case: User enter good password and valid ID and there is no network connection
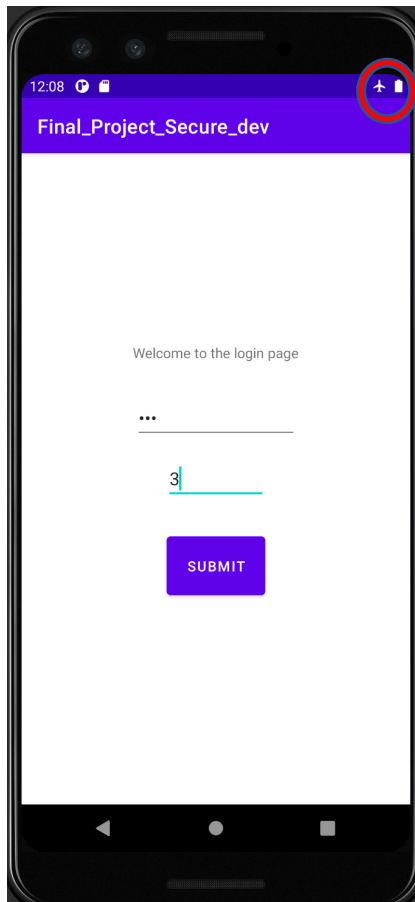
When the user enter the good password and a valid Id, but there is no network connection and it is not the first time he connects, the information are retrieved from files that are in the internal storage.

In fact, when he connects for the first time, a copy of the data are stored encrypted in files that are in the internal storage in case there is no network connection.

The user can even change the Id since all information of all user are store in the internal storage each time he connects.


When the refresh button is clicked:

- A coroutine try to connect to the API, but since there is no connection, the information are retrieved from the files that are in the internal storage

- You can see there is toast that indicates to the user when the refreshing start and when its done

- A toast indicates that the data are not retrieve from the API

USER EXPERIENCE

4th case: User enter good password and valid ID, there is no network connection and it's the first time he connects
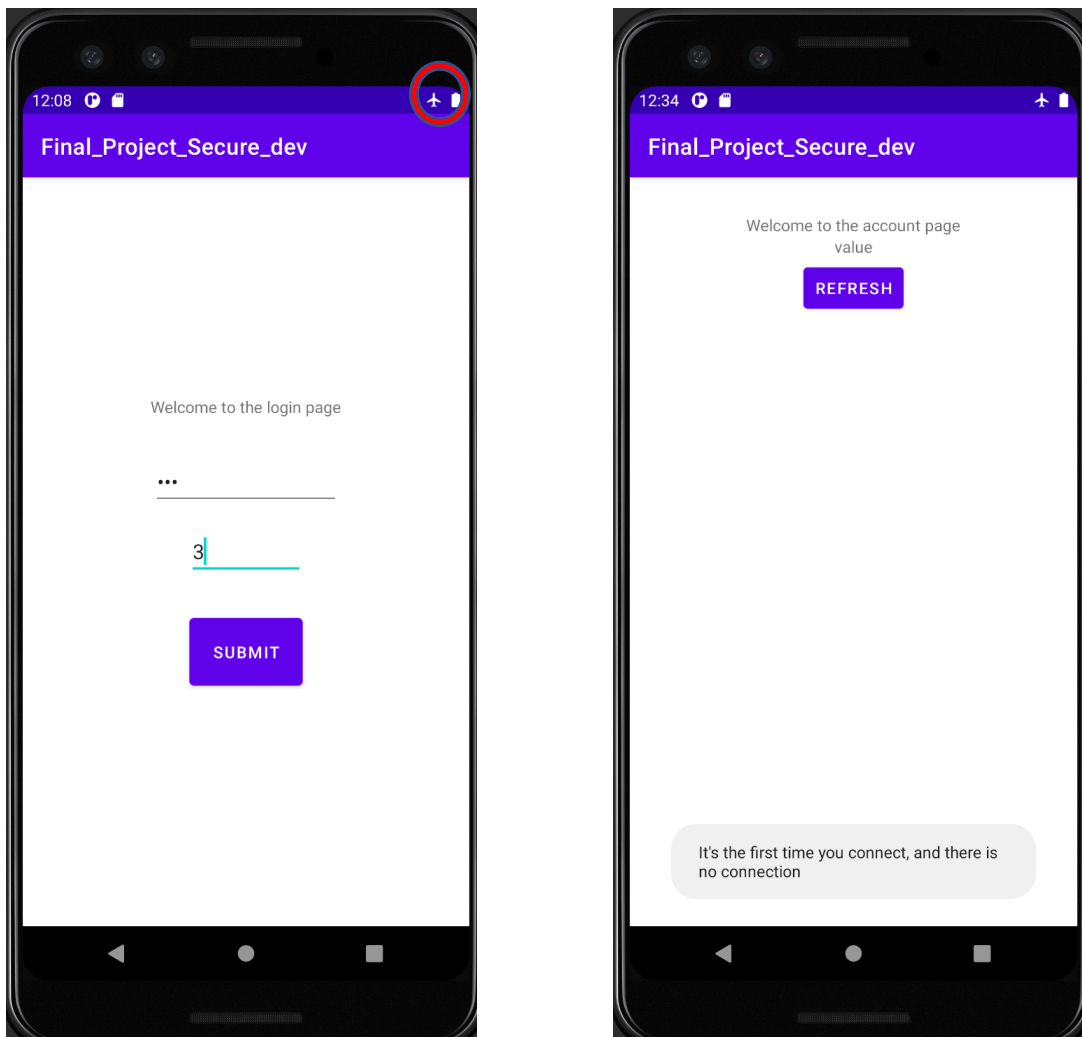
When the user enter the good password and a valid Id, but there is no network connection and it is the first time he connects, no data has been stored in the internal storage since there was no first connection to make a copy of the data.

In this case, the user can access the accounts page but no informations are shown.

A toast indicates the user that no information are shown since it's the first time he connect and he has no network connection.