

README

Personal interpretations :

For this exercise, I considered that the client has the same id than his account.

I also considered that the application will run in offline mode if the user is not connected to any network or if he chooses to use this mode. In that case, there will not be any exchanges with the API and we will use the stored data. Thus, if a client uses this mode, he can't update its account.

How you ensure user is the right one starting the app :

To make sure that the client who is trying to connect is the right one, I just ask him to enter his id and I redirect him to the page with his account information's.

How do you securely save user's data on your phone :

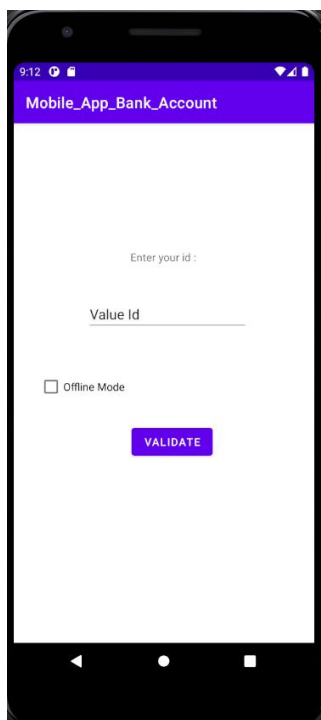
To save user's data, I used SharedPreferences. I have make a file for each account where the user has connected before by using the online mode.

How did you hide the API URL :

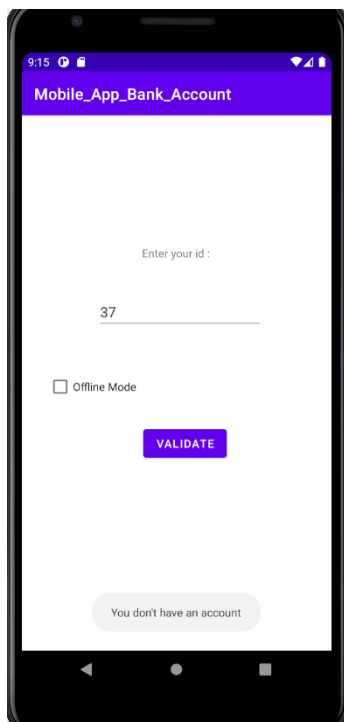
I didn't find a good way to hide an URL so I hardcoded it.

Screenshot of the application :

Welcome page of the application



If I put an id in wrong format or that doesn't exist, a toast comes up to tell me that there is no account linked to that id.



When I connect in online mode



When I connect in offline mode. There is also toast to tell the user that he is currently in offline mode.



In offline mode, the user cannot refresh the page and there is a toast to tell him that.



In offline mode, if a user that didn't ever connect in online mode tries to connect, a message appears to tell him that his account has not been found because we didn't save its data.

