Follower Manager

Introduction

The goal of the project Follower Manager is to develop a simple tool for Instagram's users to manage their followers. To do that, this application will use the Instagram API.
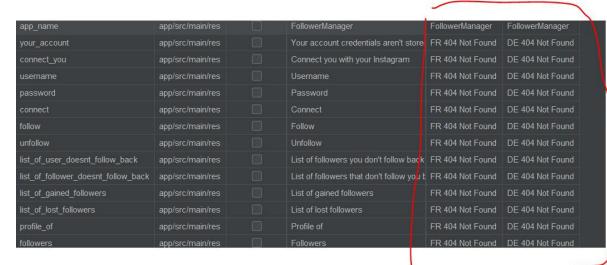
You have to be able to :
- Reach the use case using Instagram API

Non-functional requirements

To be considered functional, this application has to :
- Respect Play Store requirements & policies : https://developer.android.com/distribute/play-policies
- (official API may not usable for this app) Respect Facebook/Instagram API requirements: https://developers.facebook.com/docs/instagram
  - Only for inspiration :
    - https://github.com/agrawal10/Instagram4Android/
    - https://developers.facebook.com/products/instagram/apis/
    - https://stackoverflow.com/questions/32407851/instagram-api-how-can-i-retrieve-the-list-of-people-a-user-is-following-on-ins/62722236#62722236
    - https://snippetlib.com/instagram/get_user_followers
  - Low API traffic to prevent blocking
  - …
- Respect Android Design
- is a multilingual application (EN, FR, DE)
  - All translations must be done on "Translations Editor". Any translation that hasn't been done has a default text of ex: "FR 404 Not Found"

○ Sometimes the API call has a timeout, so if you press the profile picture on the dashboard/profile it will refresh and retry to call the API.

app_name	app/src/main/res	☐	FollowerManager	FollowerManager	FollowerManager
your_account	app/src/main/res	☐	Your account credentials aren't store	FR 404 Not Found	DE 404 Not Found
connect_you	app/src/main/res	☐	Connect you with your Instagram	FR 404 Not Found	DE 404 Not Found
username	app/src/main/res	☐	Username	FR 404 Not Found	DE 404 Not Found
password	app/src/main/res	☐	Password	FR 404 Not Found	DE 404 Not Found
connect	app/src/main/res	☐	Connect	FR 404 Not Found	DE 404 Not Found
follow	app/src/main/res	☐	Follow	FR 404 Not Found	DE 404 Not Found
unfollow	app/src/main/res	☐	Unfollow	FR 404 Not Found	DE 404 Not Found
list_of_user_doesnt_follow_back	app/src/main/res	☐	List of followers you don't follow back	FR 404 Not Found	DE 404 Not Found
list_of_follower_doesnt_follow_back	app/src/main/res	☐	List of followers that don't follow you b	FR 404 Not Found	DE 404 Not Found
list_of_gained_followers	app/src/main/res	☐	List of gained followers	FR 404 Not Found	DE 404 Not Found
list_of_lost_followers	app/src/main/res	☐	List of lost followers	FR 404 Not Found	DE 404 Not Found
profile_of	app/src/main/res	☐	Profile of	FR 404 Not Found	DE 404 Not Found
followers	app/src/main/res	☐	Followers	FR 404 Not Found	DE 404 Not Found

- centralizes all API requests, so they can be easily updated in the future
- publish app to the play store
- Non use server-side, use store in application

Functional requirements

The system shall support the following use cases:
- User can login to his Instagram account and save his credentials
- User can see his personals informations (profile picture, follower & following number)
- User can list :
  - New gained followers
  - Lost followers
  - Followers he doesn't follow back, but follows him
  - Followers that don't follow him back
  - Follower with most interaction (like, comment, message, …)
  - People who come regularly on his profile
- User can when displaying list of other user :
  - Do individual following/unfollowing
  - Do a grouped action "unfollow all" that are in the list
- User can display advice section, there are common message on how he could improve is profile
- User can disconnect his account
- User can give feedback

Technologies

The following technologies must be present in this project :
- Gitlab
- Android Studio using JAVA/Kotlin

Deliverables

The following deliverables are required at the end of the project:
- Tested and running code as tagged GitLab commit
- Proper software documentation

Project Management (Agile Scrum)

First Tasks

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Team Cooperation

…

Communication (design/technical review)

…

Mockup Prototypes

https://www.figma.com/proto/MdyaMDBJ6IDo3NcS1q1NaR/Follower-Manager?page-id=0%3A1&node-id=2%3A2&viewport=241%2C48%2C0.66&scaling=scale-down&starting-point-node-id=2%3A2