

Task description

- Create an Android app that queries a web service and displays the results
- Minimum API level - 26, target API level - 28
- Project language - Kotlin
- Focus on **quality** over quantity e.g.
 - **Clean code**, readability, consistency
 - UI performance
 - Material UI guidelines
- Must to be used:
 - Retrofit/Ktor,
 - RxJava/coroutines or both,
 - Databinding
- Feel free to use any other tools, libraries, technics and patterns you like to work with
- Make sure the project runs out of the box on our side
- Make sure the app runs both in portrait and landscape mode and state is preserved when configuration is changed

Mandatory stage

- Create an Activity where the user can search for repositories on GitHub
- Query the web service: GET <https://api.github.com/search/repositories?q=:query> (replace :query accordingly)
- Display the list of repositories
- Each item should contain
 - The avatar image of the owner
 - The repository name
 - The description
 - The number of forks
- API requires authentication. Otherwise, it provides limited functionality
- For more information on the GitHub API see <https://developer.github.com/v3>

Optional stage

- Show repository details when clicking an item in the list
- Display
 - The name of the repository
 - The watchers count
 - The list of watchers

Bonus

- use dependency injection (preferably Koin, but can be Dagger)
- create unit or/and instrumentation tests