Upgrad
Proficiency Test

Before moving further we would like to test your skills and proficiency in **android** and **android studio**.

So your task will be to develop StackOverflow android application using **Architecture components.** Architecture components help you design robust, testable and maintainable apps.
Link : https://developer.android.com/topic/libraries/architecture/

You are required to using stackexchange api to develop the application. Go through the documentation link for better understanding.
Link : https://api.stackexchange.com/docs

Overview: App will provide the list of question from stackoverflow to the user based on tags that they have selected. User have to select 4 tags only, no
more or less. Example tags python, java, android, c++.

App will contain three activity
1. **LoginActivity**
2. **UserInterestActivty**
3. **QuestionListActivity (HomeActivity)**

Details of each Activities are as follows

1. **LoginActivity** should open only when user open app for first time. It should contain a login button. When user click on login button, user should get login to Stackoverflow.com and then get redirected to app. Save the necessary details and move the flow of app to UserInterestActivity.
   Link : https://api.stackexchange.com/docs/authentication

2, In **UserInterestActivity** should contain the list of popular tags of stackoverflow and user can select 4 tags and move to QuestionListActivity(HomeActivity)
   Link : https://api.stackexchange.com/docs/tags

3. **QuestionListActivity(HomeActivity)** user should get paginated list of question based on current selected tag. User should be able to select any of the four selected tag upon which question list should get updated depending on the selected tag. All the selected tags should be listed in NavigationDrawer.
   Link : https://api.stackexchange.com/docs/questions

Features -

1. User can save the question in **Room Database** so that when user is offline only saved list of question is shown in Question List Activity.

2. Upon clicking on question in list user should be directed to in-app browser where question details are shown.

3. User can share the question link to other app.

Plus points -

** **Usage of LiveData and Viewmovdel with MVVM architecture.**
   Link : https://developer.android.com/jetpack/docs/guide

** **Usage of Retrofit2, Dagger2, Kotlin, Material Design.**