

Code Review Notes

Notes from Review

1. Packages used in this project reside in {app/build.gradle}, this includes
 1. AndroidX
 2. Picasso {Lazy Loading of Images}
 3. Gson
 4. Retrofit
 1. Okhttp is what Retrofit is using for under the hood
 5. Circle Image View
 6. SLF4J {Enforcing login, basically for any action that requires logging in}
 7. Facebook Login
 8. Google Login Integration
 9. Fab {This is used for older version of Floating Action Bar}
 10. Firebase is used for Notifications
2. MVC Pattern has been followed, all activities reside under activities folder

Areas of improvement

1. Remove logging where not required
2. Refactor all constant strings into AppConstant.kt file
3. Refactor AppConstant.kt to only have constants. Store all common functionality either to Utils or Commons
4. Refactor all var to val where we're not mutating
5. Implement [Null Safety](#)
6. Refactor all duplicate logic into a Base Implementation, enforce it using Interfaces
7. Use extensions when possible
8. Refactor loops and if-else blocks
9. Use IoC {Inversion of Control} where possible
10. Separation of dev and production dependencies
11. Remove the Fab package that we're not using anymore
12. Change package name to com.fafadiatech.newscout
13. Rename BaseActivity to MainActivity
14. Rename BaseAdapter to MainActivityAdapter
15. Get rid of all comments and dead code blocks in the code
16. Create as many as pure functions as possible

Things to Research

1. [Android Daily Tips](#) and [31 Days of Kotlin](#)
2. [Interface Driven Development](#)
3. Unidirectional dataflow
4. [Linting](#) with Android Studio

Documentation to collect

1. Using databases with Android {E.g. Room}