
Covid Statistics

Create a simple application to show Covid statistics with Countrywise, all required information is mentioned below.

Task:

1. Country Listing Continent Wise -
 - a. By using the `"/countries"` api you will get an all country list.
 - b. List must have pagination.
 - c. Country list should display continent wise.
 - d. Screen will have Sort by alphabet, Search by country name option.
 - e. On clicking the country user will navigate to the statistics screen.

2. Statistics screen -
 - a. Get statistics using `"/statistics?country=<country name>"` api.
 - b. You need to show statistics with the below params which you will get in the Api response.
 - i. Cases
 1. Active
 2. Critical
 3. New
 4. Recovered
 5. Total
 - ii. Deaths
 - iii. Population
 - iv. Tests

- c. Show statistic display type options to user eg. List view , Line chart, Pie chart, Bar chart etc.
- d. Chart UI should be proper and must have proper animation.

API Info:

Base URL - "<https://covid-193.p.rapidapi.com>"

Headers - ["X-RapidAPI-Host": "covid-193.p.rapidapi.com",
"X-RapidAPI-Key":
"b9e7df95c6msh217007ee178dd8bp16f9bdjsn65b69b1244e8"]

1. Get countries -

Type - GET

URL - "<https://covid-193.p.rapidapi.com/countries>"

2. Get statistics -

Type - GET

URL -

"https://covid-193.p.rapidapi.com/statistics?country=<country_name>"

Note : Highlighted key may expire after some time. If the key expires please sign-up yourself in the link below and generate a new key for the API.

URL : <https://rapidapi.com/search/free>

Rules:

- 1. You can use Swift/Objective C for iOS, Kotlin / Java for Android for Mobile, Dart for flutter and Javascript for React Native
- 2. You can use any third party library that you know*.

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3. You can use any design/architecture pattern that you (MVVM / VIPER, MVP) with clean architecture.
 4. Must support respective platform UI and components
 5. Develop in small, meaningful steps, with regular commits and clear messages (use git)
 6. Provide Readme for documentations

Recommendations For iOS:

1. For Dependency management you can use for iOS **Cocoa pod / Carthage / Swift Package manager**
2. **MVVM / VIPER / VIP / MVP** with clean architecture
3. **FMDB for Sqlite**(you can use functions from SQLite 3), **Magical Record** for **Core Data**(you can use Core data functions)
4. **Git Repository** is Must, Develop in small, meaningful steps, with regular commits and clear commit messages. (Don't upload your submission in public repository)
5. Use Latest feature of iOS

Good to have:

1. You can use dependency Injection
2. Provide Unit Test Cases.
3. Provide readme for documentation if any special setup there

Submission will be reject if:

1. Common Code Guidelines are not followed properly
2. Regular MVC used
3. Git commit history not provided

4. Readme not provide

Required:

1. Source Code
2. Screenshots

Please complete this assignment in 2 Days

===== **Good Luck** =====