

Junio Android Challenge

Given the 3rd party API: <http://www.nutritionix.com/business/api> write a fully functional Android application that is responsible for querying the nutritionix API, displaying the results and saving them to the device. **Min Android SDK 16**

The application will consist of two required views and an optional one (shown in the diagram below).

[Required Views]

- The home view
 - toolbar title (“Welcome to Android Challenge”)
 - display the list of food items that are saved on the device
 - material add button that opens the ‘search view’
- The search view
 - toolbar title (“Add new item”) + back button that takes you back to home view
 - textview and button for searching using the Nutritionix API
 - on button “Go” click, query the Nutritionix API and display ONLY the first 30 results including the item_name and brand in the displayed results
 - Ex: if you search “cheese” you should display
 - Dairy, Cheese product, pasteurized process, American, vitamin D fortified - 1 slice 3/4 oz. - USDA
 - Dairy, Cheese product, pasteurized process, American, vitamin D fortified - 1 slice 2/3 oz. - USDA
 - Cheese - Mini Babybel
 - Cheese - Burrito Boyz
 - etc.....
 - clicking on any item will save it to the local device and return to home view

[Optional View]

- The details view
 - clicking on any item on the home view will open the detail view
 - toolbar title: (Name of item (details)) + back button that takes you back to home view
 - the detail view will display more information about the food item. This information is pulled from the Nutritionix API and includes *item_name*, *nf_proteins*, *nf_sugars*, *brand*, *nf_calories* (as shown in image)

Bonus points:

- use database to save the items
<http://developer.android.com/guide/topics/data/data-storage.html>
- create a single activity application and only use fragments for the 3 views
<http://developer.android.com/guide/components/fragments.html>
- use: <https://github.com/square/okhttp> for talking to Nutritionix API
- use: <https://github.com/square/retrofit> for talking to Nutritionix API
- write unit tests

Submitting the application:

- you **will need a Github account** to submit the application. If you do not have a Github account already you will need to create one
- create a new Github repository called: **GMB-Android-Challenge**
- add your code there and email me the link to the repo
- submission deadline will be **Sunday Feb 28th**

