Apps iOS/Android Exercise : Nutrition Analysis!

What is Nutrition Analysis?

Nutrition Analysis is an application designed to analyze any recipe and get a detailed nutrition data about it

Technology constraints

At the digital factory, we currently have a native Android/iOS application. We would like you to develop this application in Kotlin/Swift. We do *not* expect you to build the API – rather we would like you to use.

For **Android**, we expect to use Jetpack MVVM, KTX, Data binding, Navigation component, Hilt or Dagger, Coroutines, and Retrofit.
For **iOS**, we expect to use MVVM, RXSwift

What are we looking to test?

- The overall software architecture of the application
- The structure and **quality of the code itself**
- The use of well-known patterns for Android/iOS development
- Bonus points if you include tests in your solution

What are we *not* looking to test?

- We don't expect you to be a designer. Something simple and intuitive is all we need

External Resources

- Nutrition Analysis API

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The team at Nutrition Analysis!, have developed a backlog of the stories that they would like implemented

Sprint 1:

Sprint 2:

FF-1

As a user, I want to enter all ingredient I want to analyze in a free text

ACCEPTANCE CRITERIA

❑ Ingredient entered in a free text, in single screen, large enough to be able to put all ingredient line by line, each line food name, quantity and unit
❑ Analyze button gets enabled once there is ingredients text has something to analyze

FF-2

As a user, I want to see summary breakdown for entered ingredient in a list

ACCEPTANCE CRITERIA

❑ That summary breakdown should be in separated screen
❑ Should be in a list each item describing one ingredient details
❑ Ingredient list item should has Quantity, Unit, Food, Calories, and Weight
❑ Total button at the bottom of the screen to show total nutrition

FF-3

As a user, I want to be able to see total nutrition facts in daily basis for entered ingredients

ACCEPTANCE CRITERIA

❑ Total nutrition analysis should displayed in separate screen that contains the total calculation for following:
  ❑ Calories
  ❑ Fat
  ❑ Cholesterol
  ❑ Sodium
  ❑ Carbohydrate (Fiber, Sugar)
  ❑ Protein
  ❑ Vitamin
  ❑ Calcium
  ❑ Iron
  ❑ Potassium

FF-4

As a user, I want to have application in portrait and landscape

ACCEPTANCE CRITERIA

❑ User should be able to rotate application screen between portrait and landscape normally and without any issues

TIP: focus on doing fewer stories but doing them right!