

# Fetch Rewards - iOS Coding Challenge

Please write a native iOS app in Swift using UIKit (no SwiftUI, please) that allows users to browse recipes using the following API:

<https://www.themealdb.com/api.php>

There are 2 endpoints that your app should utilize:

1. <https://www.themealdb.com/api/json/v1/1/filter.php?c=Dessert> for fetching the list of meals in the Dessert category.
2. [https://www.themealdb.com/api/json/v1/1/lookup.php?i=MEAL\\_ID](https://www.themealdb.com/api/json/v1/1/lookup.php?i=MEAL_ID) for fetching the meal details by its ID.

The user should be shown the list of meals in the Dessert category, sorted alphabetically.

When the user selects a meal, they should be taken to a detail view that includes:

- Meal name
- Instructions
- Ingredients/measurements

How exactly you choose to layout the UI is up to you. We're looking for developers, not designers, so don't get too hung up on how the app looks. Instead, focus on how you can leverage system-provided UI elements to display data in a way that's intuitive and user-friendly.

Please read the following guidelines carefully before starting the coding challenge:

- Be sure to filter out any null or empty values from the API before displaying them. We encourage you to test out the API first to find where these null or empty values can appear. The API is poorly designed in many respects, and we're using this as an opportunity to see how you convert imperfectly formatted data into workable models.
- Loading indicators and error handling are not required, but your submitted code should take both into consideration as future additions necessary for a production ready app.
- Unit tests are encouraged but not required.
- Third-party libraries are not allowed, except for asynchronous image loading. We do not expect you to write your own image loading /caching solution.
- The app should compile using the latest version of Xcode.

Take as much time as you need to complete this challenge. While your solution does not need to be fully production ready, you are being evaluated, so please put your best foot forward.