

SMARTPHONES BASED WEB DEVELOPMENT FINAL PROJECT: FOOD BLOGGING PLATFORM

FOOD-FOOD

Overview

It is an iOS app that allows users to build a profile, users can post a picture of foods, they can like pictures.

Users can put the description of that food and add instruction on how to cook that particular dish.

Motivation

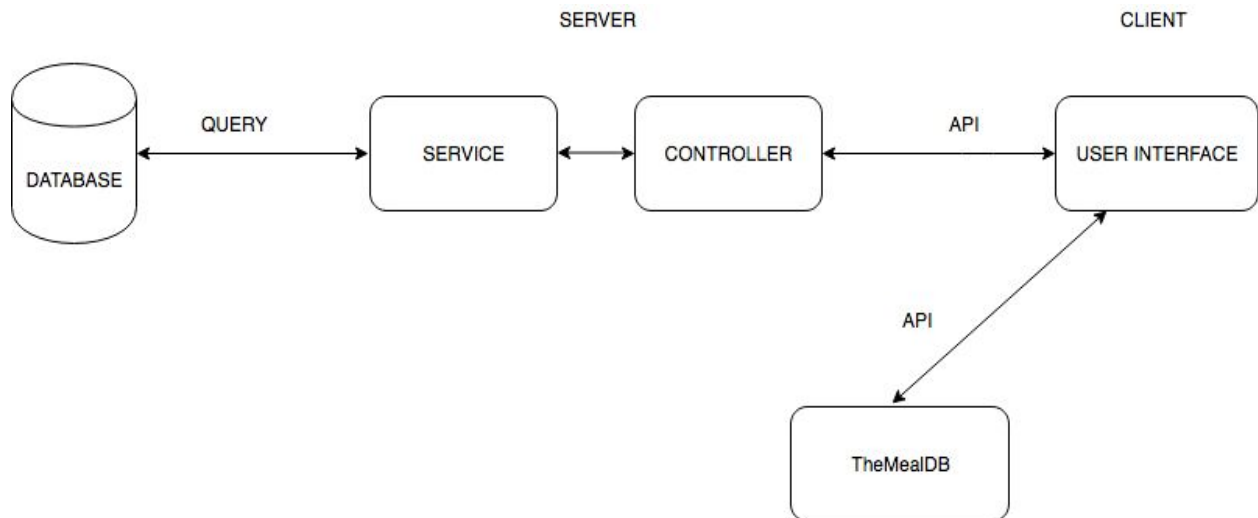
The project is Food-Recipe App will be build from Open APIs - "THE MEAL DB"

Users will be able to sign-up and login and will be able to save and delete recipes from their save tab, this will ease their way of cooking.

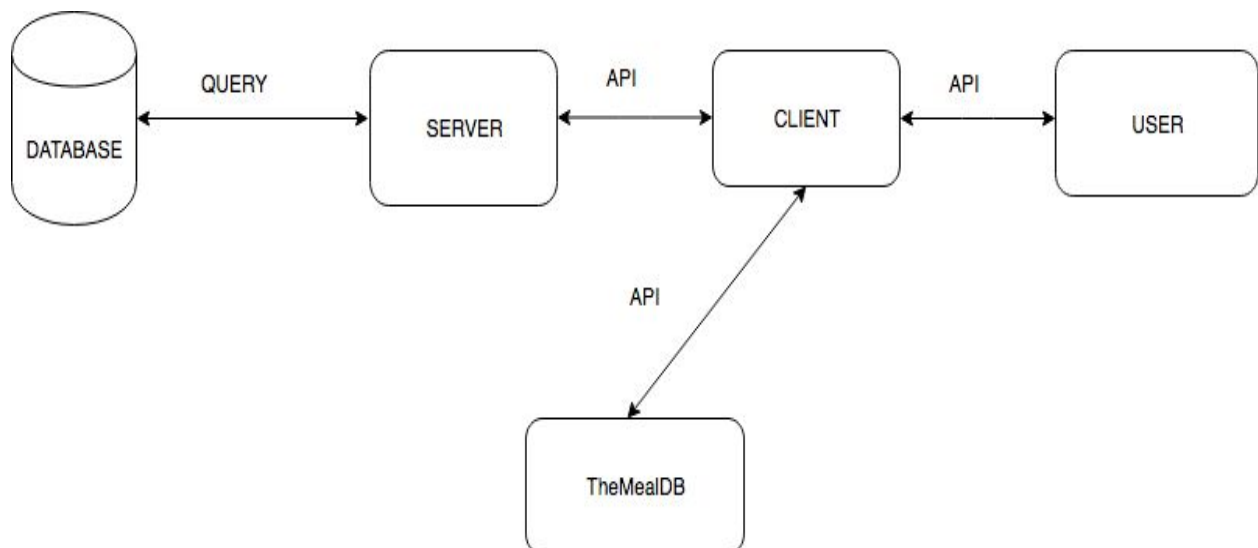
The App includes different categories of Recipes which are displayed and pulled directly from an Open-API

The website of this App was already created by me in my web design Project, I want to create an iOS App for the same.

System Design



Workflow



Key Tools/Services used

→ Google Firebase

1. Firebase Database

2. Firebase Auth

→ Open APIs

1.TheMealDB

Google Firebase :

Google Firebase is being used widely for cloud base database storage. For this application Google Firebase has been an important part for database storage.

Following Collection were created :

1. Users :

Here, it will have the details of the users created. And it check for the user before creating a new one user.

2. Posts :

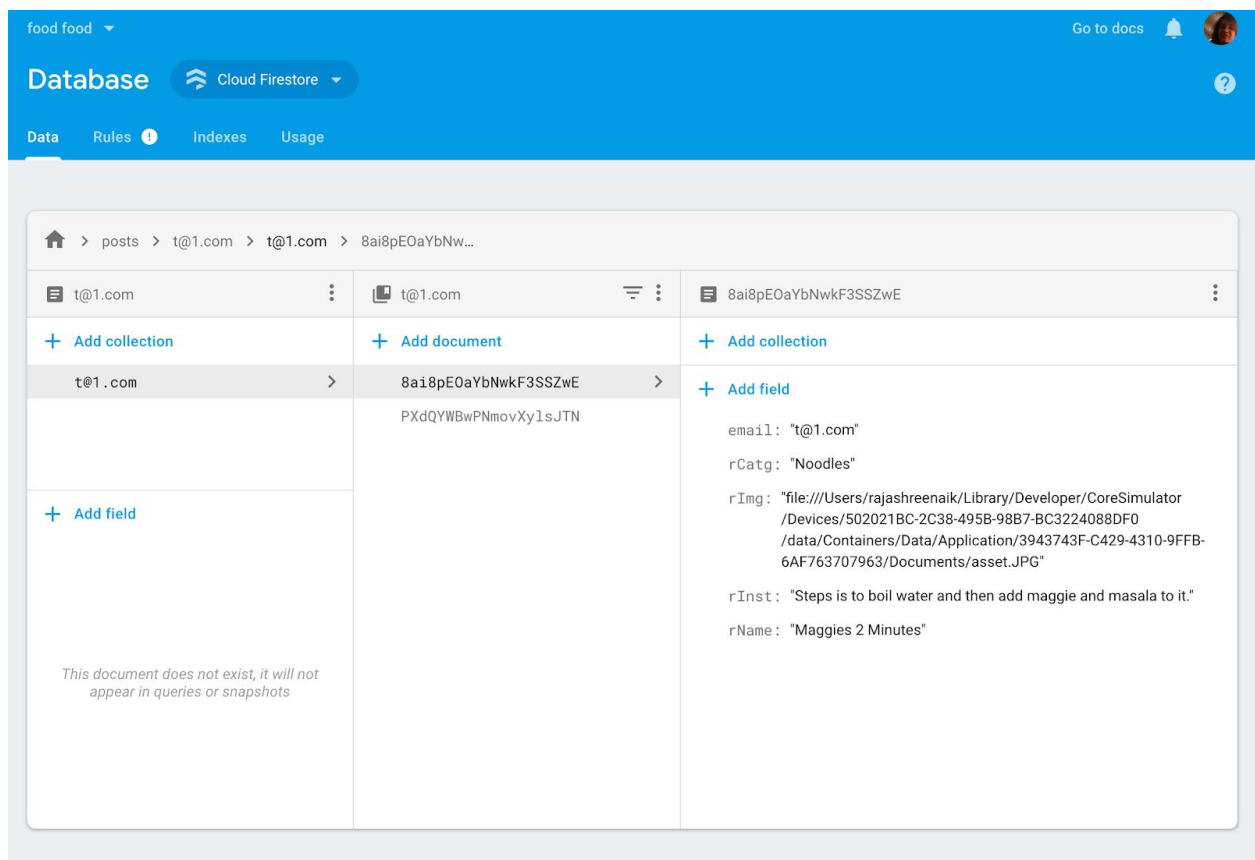
This will add post of each users. It will have collection of users with each users having collection of documents in it.

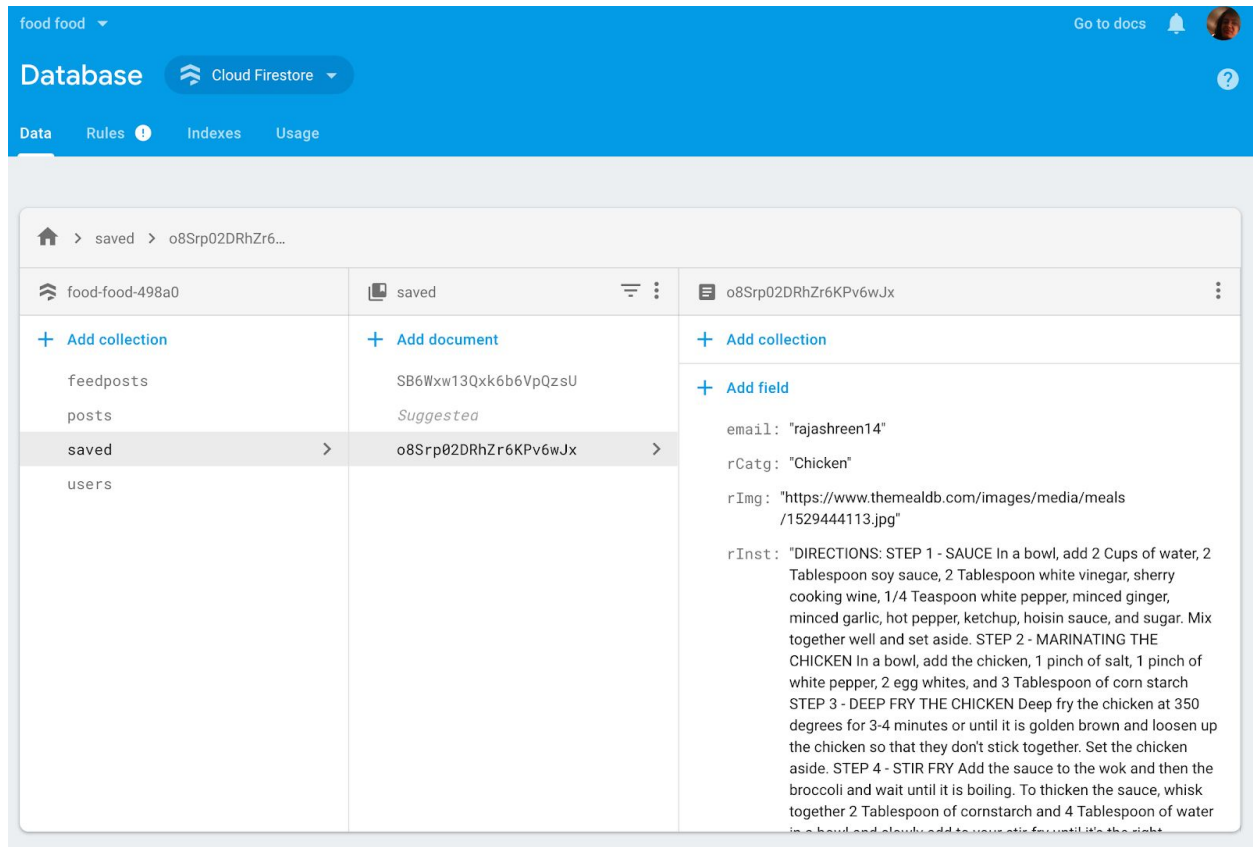
3. Feeds :

This will add all the post of all the users. It will not differentiate the users.

4. Saved Post :

It saves the post according the user. It has collection of users and each user then has collection of posts in it.





Open APIs

The open APIs used were “TheMealDB”. These are open food recipe api. It has all the food recipes. Recipes can be searched according to the - “Category”, “Ingredients” and “Name”

In the application the APIs are parsed and the data is displayed as shown in the screenshots below

```

1 //
2 // Receipe.swift
3 // FoodFood
4 //
5 // Created by Rajashree Naik on 4/24/19.
6 // Copyright © 2019 Rajashree Naik. All rights reserved.
7 //
8
9 import Foundation
10 import UIKit
11 struct Receipe {
12
13     var idMeal : String
14     var strMeal : String
15     var strCategory : String
16     var strInstructions : String
17     var strMealThumb : String
18     var strYoutube : String
19
20     init(_ dictionary: [String: Any]) {
21         self.idMeal = dictionary["idMeal"] as? String ?? ""
22         self.strMeal = dictionary["strMeal"] as? String ?? ""
23         self.strCategory = dictionary["strCategory"] as? String ?? ""
24         self.strInstructions = dictionary["strInstructions"] as? String ?? ""
25         self.strMealThumb = dictionary["strMealThumb"] as? String ?? ""
26         self.strYoutube = dictionary["strYoutube"] as? String ?? ""
27     }
28
29 }
30 |

```

FUTURE SCOPE :

Just like Instagram is amazing app to use. A similar app for food blogging which will have all the recipe of the users and later can create his or her own food-recipe-book and can view all the recipe from it whenever he/she want and wherever they want. Easy to use and easy to handle.

