

1. This project will be an instagram dedicated to restaurant recommendations and food pictures. I envision it as a combination of instagram and yelp. Right now, this app will mainly have three screens (I plan on adding more during winter): a feed that pushes the posts that people you follow have made; an account info page with all of the basic info and your previous post, much like instagram; a screen for making new post (there is two types of posts - recipe or restaurant). The important feature is that both posts would be very picture heavy, however, one possibility is that I could utilize yelp api and provide a link to the restaurant under every post.
2. I plan on using google map api for restaurant location pinning and displaying.

Yelp fusion APIs for yelp data on restaurants. If possible, it could just open up a page in yelp for now.

I will definitely use the kingfisher package for picture loading etc, and I'm not sure about the rest, yet. I believe they will come with implementation.

3. I will use Amazon s3 for storing pictures, and the rest with Firebase.
 - a. Firebase schema:
 - i. Account
 1. UserName: String
 2. Email: String
 3. Hashed Password: String
 4. Following : [Account IDs]
 5. Posts: [Post IDs]
 - ii. Posts:
 1. Type of Post: bool (True for recipe and false for restaurant)
 2. [URL to s3 pictures]
 3. Text: String
 4. Time: Timestamp
 5. Likes:
 - a. Number of Likes: Int
 - b. [Like ID]
 - i. Owner of the like: Account ID
 6. Comments:
 - a. [Comment ID]
 - i. Owner of comment: Account ID
 - ii. Comment Text: Text