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Preferred Food

Description

Keep your friends and family's food preferences and allergies here!

Intended User





Picky eaters, and those with special diets.

Features

List the main features of your app. For example:

- Saves food preference info
- Able to share food preferences with others
- Levels of preferred food in rating system

Screen 1

 Name	Favorites Dislikes Allergens
 Name	Favorites Dislikes Allergens
 Name	Favorites Dislikes Allergens
 Name	Favorites Dislikes Allergens

Screen 2

Allergens

☐ _____

☐ _____

☐ _____

☐ _____

☐ _____

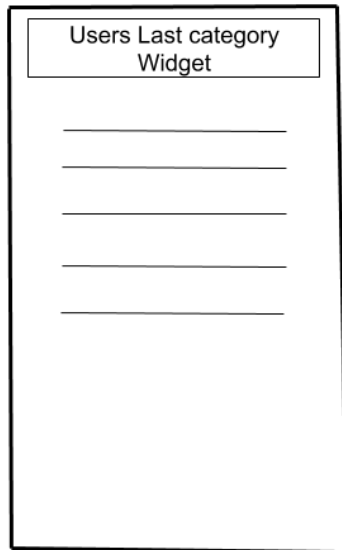
☐ _____

Favorites

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Dislikes

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____



Key Considerations

The app will handle data persistence using ROOM.

The user will have an up button that will enable going back from the main activity. The main activity will be a RecyclerView of contacts that will also have the app, and their food preferences.

Describe any libraries you'll be using and share your reasoning for including them.

I will likely be using android architecture components to make the app robust (LiveData, ViewModel, and ROOM).

Describe how you will implement Google Play Services or other external services.

Firebase will be utilized to save preferences. The user will then be able to fetch their preferences if they have lost or upgraded their phone. These preferences will be able to be shared to other users via QR code.

Next Steps: Required Tasks

Task 1: Project Setup

- Setup all dependencies to make sure they work well together.
- Upload to github.
- Setup Firestore.

Task 2: Create login to access data from Firestore

- Create a login to access the key value pairs that will be uploaded by the user.

Task 3: Implement UI for Each Activity and Fragment

- UI for MainActivity will have A recyclerView of contacts namely, and a toolbar for settings.
- The next Screen will have a ViewPager for the different categories of foods. Each category of foods will have their own checkboxes that will be saved so when shared, others will know their food preferences.
- Users saved food preferences will be synced to Firestore through an option in toolbar.

Task 4: Implement QR code reader

QR code reader will be connected to userId. This will allow sharing by scanning on Image.

Describe the next task. List the subtasks. For example:

- Create Scanner for QR code reader.
- Link QR code with user I.D. and check for persistence.
- Link firestore to users ID.
- User preferences will be saved on Firestore, and accessed through Firestore.

Task 5: Build long list of common foods and containers

- Have predefined foods of all types (fats, vegetables, fruits, meats, allergens).
- Have these preferences saved on phone, when changed uploaded to Firestore.
- Make different Fragment for each type of food for the ViewPager (using FragmentPagerAdapter).

Task 6: Make Design more elegant

- Find a good theme for the app.
- Set Styles and make adjustments to predefined dimensions.

Task 7: Implement Widget

- Will show ingredients of the page that is opened in the app.
- Implement a broadcast receive after the widget is complete to update the widget when there when the user is in another users preferences.