Smart Grocery App Scenario

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The *Smart Grocery App* will eventually revolutionize the food & dining experience by broadening the user's food horizons. The user will be able to browse recipes, see suggestions based on their past purchases and preferences. The app will take in information from multiple sources including, the user location, user preferences and food labels.

Some key features will be a database to hold all user information, and utilizing the web to get recipes from curated sources.

Scenario: "Grocery Shopping"

An individual who has not previously used the app will need to download the app from an application marketplace like the App Store for the iOS devices or Google Play for Android devices.

Once the application is downloaded, the user is prompted to create a new account which will sign the user up and store their personal information. In the first interface, there will be a welcome screen with 2 buttons prompted: "Login" or "Create a New Account" buttons. There are 2 cases available:
1. If the user does not have an account, then the user needs to select the "Create a New Account" because their information is not stored in the system yet. This app will primarily gather information through user input, which will include their location (the location will be known from the app itself once the user allows the location services), food preferences, allergies, be saved to the user's profile and added to the system.
2. On the other hand, for users who have previously made an account, this is a standard process and that they do not need to enter their information anymore because it is stored in the system. The primary account on a mobile device is typically remembered by the app, saving the users from having to log in each time they use the app.

After analyzing the user's food preferences, the user's initial information regarding the kinds of meals they would like to eat will serve as the basis for the recommendations that are made to them. This information would be entered if they wanted to include certain nutrients in their diet in which case the app will display results leaning towards the selected options or if they had any type of allergy/dietary restrictions where the app will prevent any recipes that include those ingredients.

In the dietary restriction section, the user can describe what kind of food they cannot eat or prefer not to. This would include things such as cheese, peanuts, food allergies, and etc. In the personal preferences tab, the user can describe what kind of cuisine they prefer (American, Italian, Indian, Asian, Greek, etc). When the user is done setting up the basics of the app, they will be shown recipes based on their preferences. The user can then browse through the recipes shown and choose a recipe that matches their diet and preferences.