

# Smart Grocery App Scenario

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The Smart Grocery app will allow users to save themselves the hassle of searching for and finding their next recipe by showing users recipe recommendations based on what foods and cuisines they like. Users will be able to find nearby grocery stores that can provide them with the ingredients needed to produce the recipes they find. Additionally, it will show trending recipes as well, and if the user is not in the mood to cook that day, it will show nearby restaurants that they might like as well.

This second scenario describes what happens when a user starts using the app, without having used it before.

A key feature of the app is that it will tailor results to the user by using data that the user will provide, which allows the app to recommend and display results that are highly relevant to the user using the app. The user data will consist of their approximate GPS location and preferences.

## **Scenario “Exploring Food”:**

The user starts by opening the web application. They are greeted with a screen that allows them to log in and/or sign up for an account. Once logged in, the user will be taken to the home screen.

When the user first creates their account, they are presented with the option to customize their user preferences for the application that have to do with the foods they will be shown.

The user is then redirected to a preferences page where they are able to choose their dietary selection. The app will then show a screen where the user can choose their preferences based on their tastes/dietary preferences. The preferences that the user is able to specify are as follows.

With the first option, “Enter Food Preferences”, users can indicate what their favorite foods are based on a list of these choices: Gluten Free, Ketogenic, Vegetarian, Lacto-Vegetarian, Ovo-Vegetarian, Vegan, Pescetarian, Paleo, Primal, Low FODMAP, Whole30.

The second option, “Enter Intolerances Information”, users can indicate any dietary restrictions by selecting from a list of these choices: Dairy, Egg, Gluten, Grain, Peanut, Seafood, Sesame, Shellfish, Soy, Sulfite, Tree Nut, Wheat.

Lastly with the third option, “Preferred Cuisine”, users can indicate their favorite cuisine(s) by selecting from a list of these choices: African, American, British, Cajun, Caribbean, Chinese, Eastern European, European, French, German, Greek, Indian, Irish, Italian, Japanese, Jewish, Korean, Latin American, Mediterranean, Mexican, Middle Eastern, Nordic, Southern, Spanish, Thai, Vietnamese.

Based on their preferences, the app will use those preferences when using the spoonacular API to fetch recipes for meals that the user can explore and see more information about. The recipes

will be shown in the home section of the app. The recipes will be shown in a grid format, with an accompanying image and title. For each recipe that is shown, the user will be able to click on the recipe that will take them to the webpage for that particular recipe.

If the user is not interested in cooking a meal based on a recipe they see in their feed, they can explore food options on where they can eat out. The app will use their location to get nearby restaurants in the area and display them to the user. The user can then click on a restaurant and will be taken to the listing for that particular restaurant where they can get more information.

For each restaurant nearby, the app will display the average cost (which is displayed in terms of dollar signs) and the weighted rating of the restaurant.

The app will use the location from the user and use that data to get the nearest grocery stores. It will display the nearest stores so that the user can choose a store to visit and get groceries to cook a recipe that they found on their feed.

The app also will have a page where the user can see the current trending recipes. This will allow the users who cannot decide on what they should make or what cuisines they want to try to discover what other people are cooking. This will also allow users to explore and try foods that they are not familiar with.

When the user exists the app either by closing the web application or returning to from where they found the app, their data will be stored so that the next they log in they will be able to browse without having to reenter their information.