

Smart Grocery Scenario Release 1

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The **Smart Grocery** app is designed to enhance users' culinary experiences by utilizing information from various sources, including other users, local groceries, and machine learning algorithms. The scenario outlines the onboarding process, user interaction, and core features of the application, serving as an acceptance test for Agile development.

The Smart Grocery application aims to transform the way users explore and enjoy their culinary journeys. Release 1 focuses on the application's initial setup and core functionality. This scenario provides a comprehensive overview of the user's journey, from installation to exploration, and outlines the fundamental features of the application.

Installation and Welcome: Upon downloading and installing the Smart Grocery application, users are greeted by a welcoming screen that introduces the app's purpose and provides guidance on how to navigate its features. A "HELP" command is available at all times to offer detailed instructions.

Data Sources Integration The app requests user permissions to access the phone's GPS for location-based grocery data and the camera for barcode scanning functionality. This integration forms the backbone of the app's data collection capabilities.

User Profile Setup Users are guided through the process of creating a personalized profile. They input preferences, dietary restrictions, and any food allergies, enabling the app to tailor recommendations. The application also collects and stores data on the user's past purchases and cooking history.

Exploring the App Users can explore the app's extensive features, including recipe browsing, ingredient searching, and scanning to add items to their virtual pantry. A variety of user commands such as "SEARCH," "BROWSE," "SCAN," and "RECOMMEND" facilitate navigation.

User Commands and Navigation The app recognizes commands like "HELP," "QUIT," "EXIT," "SEARCH," "BROWSE," "SCAN," and "RECOMMEND" in various case combinations. These commands enable users to efficiently interact with the application and access its diverse functionalities.

Exploring the Environment Users can use navigation commands such as "GO TO," "EXPLORE," and "LOOK AROUND" to delve deeper into the app's interface and features. The application provides meaningful feedback and guidance for each command.

Exiting the App When users decide to exit the application, either by clicking "EXIT" or "QUIT", a concluding screen is displayed. This screen expresses gratitude to the user and may offer additional tips or prompts for future usage.

Error Handling The application gracefully handles errors, such as network issues, data loading problems, or user input errors, without crashing. Informative error messages are provided to the user, and the app attempts to recover when possible.

Conclusion: The scenario for Smart Grocery Setup and Functionality - Release 1 provides a comprehensive roadmap for the initial development phase of the Smart Grocery application. It outlines the user's journey, from installation to exploration, and ensures that the product meets its core functionality goals.

