

## Concrete Scenarios for Smart Shopping App Activities

### 1. Product Browsing

Maria enters the store and opens the smart shopping app on her phone.

- 1- She taps on the "Browse Products" section.
- 2- The app displays a list of categories like "Fruits," "Dairy," and "Snacks."
- 3- Maria selects "Snacks" to view available options.
- 4- The app shows images and details of various snack products.
- 5- She scrolls through the list and taps on a bag of chips to see more information.
- 6- After reading the details, Maria adds the chips to her shopping list.

### 2. Gesture Recognition

Jake is in the cereal aisle and wants to see recommendations.

- 1- He picks up a box of cereal.
- 2- The app detects the gesture and displays information about that cereal on the screen.
- 3- Jake notices a promotional offer for a related product.
- 4- He gestures to put the cereal back, and the app updates the recommendation list.
- 5- He then picks up another brand, triggering the app to display its details.

### 3. Budget Management

Sarah has a budget of \$50 for her shopping trip.

- 1- She opens the app and navigates to the "Budget" section.
- 2- Sarah enters her budget amount and sees a visual representation of her spending.
- 3- As she adds items to her cart, the app automatically updates her remaining balance.
- 4- When Sarah scans a product at checkout, the app alerts her if it exceeds her budget.
- 5- She decides to remove an item from her cart to stay within her budget.

### 4. Queue Management

Tom approaches the checkout area during a busy time.

- 2- He opens the app and checks the "Checkout" section for queue status.
- 3- The app displays the wait times for different registers.
- 4- Tom selects the line with the shortest wait time and heads there.
- 5- While waiting, the app notifies him of any nearby promotions.
- 6- Once he reaches the register, he quickly scans his items using the app.

### 5. Favorites and Wish Lists

Emily wants to remember specific products for her next shopping trip.

- 1- While browsing the app, she finds a brand of pasta she loves.
  - 2- She taps the "Add to Favorites" button on the product page.
  - 3- The app confirms that the item has been saved to her favorites list.
  - 4- Later, she checks her favorites list to plan her next purchase.
- Emily can easily add her favorite items to the shopping cart with one click.

### 6. Group Shopping Coordination

Chris is shopping with his family for a special dinner.

- 1- He opens the app and shares his shopping list with his wife and kids.
- 2- Each family member checks off items as they find them in the store.
- 3- The app updates the list in real time, so everyone knows what's left to buy.
- 4- Chris's wife adds an item to the list from another aisle.
- 5- They all meet at checkout, having completed the list efficiently.

### 7. Security and Privacy Management

Rachel is using the app to access her personalized shopping preferences.

- 1- She opens the app and is prompted to log in securely.
- 2- After entering her credentials, Rachel is asked to enable two-factor authentication.
- 3- She receives a code on her phone, which she inputs to access her profile.
- 4- Once logged in, she reviews her privacy settings to ensure her data is secure.
- 5- Rachel feels confident using the app, knowing her information is protected.