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| --- | --- | --- | --- | --- |
| features | Purpose | expected Result | Action Required | Assert |
| login | Security & Personalization | correct & valid credential | User input | AssertTrue |
| logout | Security | login screen appears | User command | assertTrue |
| Scan Receipt | Quick input & Convenience | converted food items from image | camera | assertNotNull |
| Search food item | functionality | Valid food item feedback | User input | assertTrue/False |
| Search Recipe explicitly | functionality | Valid recipe feedback | User input | assertTrue/False |
| Search recipe by food item | functionality & convenience | Valid recipe feedback | User input | assertTrue/False |
| save a food item | convenience | food item is successfully saved | User command | assertNotNull |
| save a recipe | convenience | Recipe is successfully saved | User command | assertNotNull |
| add a food item | functionality | Food item is successfully added | User command | assertNotNull |
| remove a food item | functionality | Food item is successfully removed | User Command | assertNotNull |
| Push notification | convenience | User is notified | User opts for feature | assertTrue |
| Share on social media | Engagement | Successfully posted | Successful login  User command | assertNotNull |
| Filtering recipes | Information appropriate for food items | Recipes includes food items that are on the list | Functional database, nonempty list | assertNotNull |
| Receipt scan | Decipher food item from camera image | Image converted into list of food item | Text prediction algorithm  Functioning OCR API | assertNotNull |
| Connection to social media | Integration and convenience sharing | Image and description uploaded to desired social media interface | Valid credential in database | assertTrue |
| Sorting food item | Intuitive view of food expiration | Creates a list of ascending order in days | Working database and food indexing API | assertTrue |