**EXPLORATORY TESTING**

ChatGPT was used to assist in generating below exploratory test cases, aligning with the unique needs of the project. This approach enabled a thorough exploration of test scenarios, covering various user cases and potential edge cases. The testing focused on validating core functionalities, error handling, and security measures, ensuring a reliable and user-friendly experience.

**ACCOUNT MANAGEMENT**

**01. Log In as User**

**Basic Login Functionality:**

* Verify that users can log in with valid credentials and are directed to the user dashboard.
* Test that entering incorrect credentials prevents login and displays an appropriate error message.
* Ensure that the password field masks input for security.

**Security:**

* Verify that sessions expire after a period of inactivity.

**02. Log In as Admin**

**Admin-Specific Access:**

* Verify that admins can log in and access the admin dashboard to manage inventory and orders.
* Ensure that non-admin users cannot access the admin dashboard by direct URL navigation or any form of privilege escalation.
* Check the functionality available on the admin dashboard (e.g., viewing reports, managing users, updating inventory).

**03. Easy Signup**

**Account Creation Process:**

* Verify that new users can create an account by filling out all necessary information.
* Check that the system validates email addresses and passwords according to the specified criteria.

**Validation and Error Handling:**

* Test the response when trying to sign up with an email that already exists in the system.

**UI/UX:**

* Ensure that the sign-up form is user-friendly and accessible, with clear instructions and error messages.
* Test the mobile responsiveness of the sign-up page.

**04. Delete Account**

**Delete Functionality:**

* Verify that users can delete their accounts through a clear and simple process.

**Data Handling:**

* Test that all user data is completely removed from the system upon account deletion.

**INVENTORY MANAGEMENT (ADMIN)**

**01. Category Management – Add, Update, Delete**

**Basic Functionality:**

* Verify admins can add new product categories with immediate system updates.
* Test deletion of categories, ensuring they're removed from the system entirely.

**02. Product Management – Add, Update, Delete**

**Basic Functionality:**

* Test adding new products with necessary details such as price and category linkage.

**Integration and Interdependencies:**

* Test the integrity of category-product linkage during product updates and deletions.

**03. Inventory Dashboard**

**Functionality and Data Handling:**

* Ensure the dashboard updates in real-time reflecting current inventory levels.
* Test fallback to last known data if real-time updates fail.