**Documentation of test steps to validate the Chocolate Shop Management application**:

**Test Plan:** Chocolate Shop Management Application

**Test Objective:**

Verify that the application functions correctly and performs the required operations.

**Test Scope:**

The test scope includes the following modules:

1. Create Tables

2. Add Seasonal Flavor

3. Manage Ingredient Inventory

4. Add Customer Feedback

5. View Customer Feedback

6. Main Menu

**Test Cases:**

**1. Create Tables**

- Test Step: Run the create\_tables() function.

- Expected Result: Three tables (Flavors, Ingredients, Customer\_Feedback) are created in the 'chocolate\_shop.db' database.

- Verification: Check the database schema to confirm table creation.

**2. Add Seasonal Flavor**

- Test Step: Run the add\_flavor() function and input flavor details.

- Expected Result: A new seasonal flavor is added to the Flavors table.

- Verification: Check the Flavors table for the newly added flavor.

**3. Manage Ingredient Inventory**

- Test Step: Run the manage\_ingredient\_inventory() function and choose an option (add, update, view).

- Expected Result:

- Add: New ingredient is added to the Ingredients table.

- Update: Existing ingredient quantity is updated.

- View: All ingredients are displayed.

- Verification: Check the Ingredients table for changes.

**4. Add Customer Feedback**

- Test Step: Run the add\_customer\_feedback() function and input feedback details.

- Expected Result: New customer feedback is added to the Customer\_Feedback table.

- Verification: Check the Customer\_Feedback table for the newly added feedback.

**5. View Customer Feedback**

- Test Step: Run the view\_customer\_feedback() function.

- Expected Result: All customer feedback is displayed.

- Verification: Check the output for displayed feedback.

**6. Main Menu**

- Test Step: Run the main() function and choose options (1-5).

- Expected Result: Corresponding functions are executed.

- Verification: Check the output and database changes.

**Test Data:**

- Flavor: "Test Flavor", is\_seasonal: True, stock: 10

- Ingredient: "Test Ingredient", quantity: 50

- Customer Feedback: "Test Feedback", allergy: "None"

**Test Environment:**

- Python 3.x

- SQLite3 database

- 'chocolate\_shop.db' database file

**Test Schedule:**

- Execute test cases sequentially.

- Verify results after each test case.

**Test Deliverables:**

- Test plan document.

- Test results document.

- Updated application code with fixes (if necessary).