1. **Test Plan**

**The test objectives are as follows**

Table 1 Test plan

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| --- | --- |
| **Sl. No** | **Test Objectives** |
| 1. | Check the system authenticates the user when they provide login credentials |
| 2. | Check if the main menu consists of calculate total bill, add, edit, and search product displays correctly |
| 3. | Ensure calculate total bill option works correctly by giving all the required data |
| 4. | Check add product option works correctly and display the product in the file after added |
| 5. | Check edit product option works correctly |
| 6. | Check search option lists all the products based on the given attributes like name and unique code |
| 7. | Check the display function lists all the products that are present in the store |
| 8. | Check whether exit option work properly or not |

1. **Test cases**

Table 2 Test cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Entered Option** | **Input parameters** | **Expected Result** |
| 1. | Calculate bill | Product code, Quantity | Check the entered product code is valid if it is valid then add it in bill with its price based on the quantity otherwise display invalid entry |
| 2. | Add Product | Product code, Price, Name and Quantity | Add the product in the database file and it should be present when we check product list. |
| 3. | Edit product | Product code, Parameter to be edited, modified value | Edit the details of the corresponding product in the database |
| 4. | Display | -- | Display all the products available in the store |
| 5. | Search | Enter the code of the product to search | Display the name, price and quantity of the product searched. |
| 6. | Exit | -- | Exits the program without alter any data present in the system. |