**UI Test- Functional Test**

1. **Equivalence partitioning for input variables**

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| --- | --- | --- | --- |
| Partition ID | Input variable | Valid partition | Invalid partition |
| 1 | ch | 0 <= ch <= 3 | ch = string |
| 2 | ch | ch = int | ch = character |
| 3 | ch | ch = 0 | ch = special character |
| TESTING THESE ON THE OUTPUT | | | |
| ch is user input variable. Depending on which phase of the menu, the ch value will take you to the next corresponding menu. | | | |
| 4 | Ch = 0 | Exit menu is written to console | Store menu displayed |
| 5 | Ch = 1 | Display Store Products menu is written to the console | Exit menu displayed |
| 6 | Ch = 2 | Your cart is displayed (even if empty) | Store account menu is displayed |
| 7 | Ch = 3 | Bank account creation menu is displayed | Cart is displayed |
| 8 | Ch= 1.5555 | Exception is thrown | Store Products Menu is displayed |

1. **Test cases for each partition**

|  |  |  |  |
| --- | --- | --- | --- |
| Test ID | Test inputs | Expected output | Partition ID covered |
| 1 | Ch = 1 | Specific menu shown | 1 |
| 2 | Ch = ‘abc’ | Error / exception thrown | 2 |
| 3 | ch= !! | Error / exception thrown | 3 |
| 4 | Ch = 0 | Exit Menu displayed | 4 |
| 5 | Ch = 1 | Store Product Menu Displayed | 5 |
| 6 | Ch = 2 | Cart is displayed | 6 |
| 7 | Ch = 3 | Bank Account Menu is displayed | 7 |
| 8 | Ch = float (1.444) | Exception thrown | 8 |