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| --- | --- | --- | --- | --- | --- | --- |
| **Function** | **#** | **Description** | **Sample Input Data** | **Expected Output** | **Actual Output** | **P/F** |
| logIn | 1 | tempUserID and tempPass are found in the user array | tempUserID:  123  tempPass:  123 | 1 | 1 | **P** |
|  | 2 | tempUserID is found in the user array but tempPass is not | tempUserID:  123  tempPass:  12 | 0 | 0 | **P** |
|  | 3 | tempUserID and tempPass are not found in the user array | tempUserID:  13  tempPass:  1 | 0 | 0 | **P** |
| checkProductID | 1 | tempProductID  is found in the “Items.txt” file | tempProductID:  123 | 1 | 1 | **P** |
|  | 2 | tempProductID  is not found in the “Items.txt” file | tempProductID:  13 | 0 | 0 | **P** |
|  | 3 | tempProductID  is not found in the “Items.txt” file | tempProductID:  -1 | 0 | 0 | **P** |
| checkProductIDarray | 1 | tempProdID  is found in the items array | tempProductID:  123 | 0 | 0 | **P** |
|  | 2 | tempProdID  is not found in the items array | tempProductID:  13 | 1 | 1 | **P** |
|  | 3 | tempProdID  is not found in the items array | tempProductID:  -1 | 1 | 1 | **P** |
| countBuyItems | 1 | “Items.txt” pointer is assigned containing 1 item | 100 123  T-shirt  Clothing  Basic  70 150 | 1 | 1 | **P** |
|  | 2 | “Items.txt” pointer is assigned containing 2 items | 100 123  T-shirt  Clothing  Basic  70 150  200 123  Polo Shirt  Clothing  Long-sleeved  40 250 | 2 | 2 | **P** |
|  | 3 | “Items.txt” pointer is NULL | No data | 0 | 0 | **P** |
| countItems | 1 | 2 items are stored in the items array with the given userID | userID: 123  100 **123**  T-shirt  Clothing  Basic  70 150  200 **123**  Polo Shirt  Clothing  Long-sleeved  40 250 | 2 | 2 | **P** |
|  | 2 | 1 items are stored in the items array with the given userID | userID: 123  100 **123**  T-shirt  Clothing  Basic  70 150 | 1 | 1 | **P** |
|  | 3 | no items are stored in the items array with the given userID | userID: 17  100 **123**  T-shirt  Clothing  Basic  70 150  200 **123**  Polo Shirt  Clothing  Long-sleeved  40 250 | 0 | 0 | **P** |
| extractDate | 1 | The parameter contains the appropriate format | strDate:  “10/17/2022” | 20221017 | 20221017 | **P** |
|  | 2 | The parameter does not contain the appropriate format | strDate:  “10/1/72022” | 720221001 | 720221001 | **P** |
|  | 3 | The parameter contains letters | strDate:  "test/" | 0 | 0 | **P** |