|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case | Test Steps | Test Data | Expected Result | Actual Result |
| Check response on inputting valid data | 1. Enter customer id 2. Enter product id, quantity | customer.id=1  product.id=1  product.quantity=1 | Sale order is completed and recorded |  |
| Check response when customer id is invalid | 1. Enter customer id | Customer.id=333 | Null pointer exception |  |
| Check response when customer id is valid and product id is invalid | 1. Enter customer id 2. Enter product id, quantity | customer.id=1  product.id=999  product.quantity=1 | Null pointer exception |  |
| Check response when the quantity exceeds the stock | 1. Enter customer id 2. Enter product id, quantity | customer.id=1  product.id=1  product.quantity=1000 | Exceeds stock exception |  |

Test cases

Scenario table

|  |  |  |
| --- | --- | --- |
| Scenario name | Starting flow | Alternate flow |
| Scenario 1 – Successful creation of Sale order | Basic flow |  |
| Scenario 2 – Invalid customer id | Basic flow to step 2 | Extension 3a |
| Scenario 3 – Invalid product id | Basic flow to step 4 | Extension 5a |
| Scenario 4 - Insufficient quantity of product | Basic flow to step 4 | Extension 5b |

Valid/Invalid table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test case Id | Scenario | Customer id is valid | Product id is valid | Quantity is valid | Expected result |
| 1 | Successful creation of Sale order | V | V | V | Sale order was created and recorded and an invoice was printed |
| 2 | Invalid customer id | I | N/A | N/A | Customer is not added to sale order |
| 3 | Invalid product id | V | I | N/A | Product is not added to sale order |
| 4 | Invalid product quantity | V | V | I | Displays stock error |

Real values table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test case Id | Scenario | Customer id is valid | Product id is valid | Quantity is valid | Expected result |
| 1 | Successful creation of Sale order | 1 | 1 | 1 | Sale order was created and recorded and an invoice was printed |
| 2 | Invalid customer id | 333 | N/A | N/A | Customer is not added to sale order |
| 3 | Invalid product id | 1 | 999 | N/A | Product is not added to sale order |
| 4 | Invalid product quantity | 1 | 1 | 1000 | Displays stock error |