

## Test Cases

### CustomerUI

Case 1: Canceling immediately after hitting start

1. Customer presses start key
  2. Customer presses Cancel Transaction key
- Input: <Enter>, 1
  - Expected Result: Customers are returned to the welcome page
  - Test Result: Successfully fulfilled the expected result

Case 2: Using subtotal and total keys without having scanned items

1. Customer presses start key
  2. Customer presses subtotal key
  3. Customer presses total key
- Input: <Enter>, 2, 3
  - Expected Result: Customers are presented with total of \$0.00
  - Test Result: Successfully fulfilled the expected result

Case 3: Using total key after scanning items

1. Customer presses start key
  2. Customer scans item ID of 1
  3. Customer presses total key
- Input: <Enter>, scan 1, 3
  - Expected Result: Customer are presented with the total cost of the item ID# 1
  - Test Result: Successfully fulfilled the expected result

## **Pay by Card**

Case 4: Using cards with more than valid number of digits

1. Do case 3
  2. Customer selects pay by card
  3. Customer inserts a card with card number 12345678901234567
- Input: 2, card 12345678901234567
  - Expected Result: Customers see the "Card not valid, must be 16 digit" and is returned to the insert card page
  - Test Result: Successfully fulfilled the expected result

Case 5: Declining transaction

1. Do case 3
  2. Customer selects pay by card
  3. Customer inserts a card with card number 1234567890123456
  4. Customer selects "No" for debit card
  5. The authorization center declines the card
- Input: 2, 1234567890123456, 2
  - Expected Result: Customer sees one of the four bad auth message then sent to card payment screen
  - Test Result: Successfully fulfilled the expected result

Case 6: Cancelling payment method after selecting pay by card

1. Do case 3
  2. Customer selects pay by card
  3. Customer cancels the payment
- Input: 2, 2
  - Expected Result: Customers are sent to the select payment screen
  - Test Result: Successfully fulfilled the expected result

Case 7: Complete successful transaction with debit card

1. Do case 3
  2. Customer selects pay by card
  3. Customer inserts a card with card number 1234567890123456
  4. Customer selects "Yes" for debit card
  5. Customer inputs pin
  6. The authorization center accepts the card
- Input: 2, card 1234567890123456, 1, pin 1234
  - Expected Result: The transaction is complete, and the customer receives the receipt for the transaction
  - Test Result: Successfully fulfilled the expected result

## **Pay by Cash**

Case 8: Cancelling payment method after selecting pay by cash

1. Do case 3
  2. Customer selects pay by cash
  3. Customer cancels the payment
- Input: 3, 2
  - Expected Result: Customer is sent back to the select payment page
  - Test Result: Successfully fulfilled the expected result

Case 9: Completing transaction with exact cash amount paid

1. Do case 3
  2. Customer selects pay by cash
  3. Customer enters the exact amount of cash using coins
- Input (when ID #1 costed \$1.23 total): 3, coin 25, coin 25, coin 25, coin 25, coin 10, coin 10, coin 1, coin 1, coin 1
  - Expected Result: The transaction is complete, and customer receive the receipt for the transaction and sent back to the welcome page
  - Test Result: Successfully fulfilled the expected result

Case 10: Completing transaction when change is required

1. Do case 3
  2. Customer selects pay by cash
  3. Customer enters more than the required cash using bills
- Input (when ID #1 costed \$1.23 total): 3, bill 5
  - Expected Result: The transaction is complete, and customer receive the receipt and the change for the transaction the sent back to the welcome page
  - Test Result: Successfully fulfilled the expected result

## **Manager**

### **Case 11: Editing an existing item**

1. Manager selects View/Update
  2. Manager selects an ID and edits the information
- Input: 1, 1, blue tomato juice, <Enter> for every other descriptions
  - Expected Result: The item is updated and manager is sent back to the welcome page
  - Test Result: Successfully fulfilled the expected result

## **Restocker**

### **Case 12: Creating a new item**

1. Restocker enters a new ID
  2. Restocker answers every question regarding the new item
- Input: 8, blue tomato juice, 14.75, .45, 188
  - Expected Result: The new item with the description specified is added to the database
  - Test Result: Successfully fulfilled the expected result

### **Case 13: Restocking an existing item**

1. Restocker enters an existing ID
  2. Restocker inputs the quantity restocked
- Input: 1, 60
  - Expected Result: The item is updated with the new quantity and the Restocker is sent back to the welcome page
  - Test Result: Successfully fulfilled the expected result