Q-1

1- Valid Transfer Test Case:
    User A Balance: 1000 LE, Max. Balance: 1005 LE
    User B Balance: 100.55 LE, Max. Balance: 105 LE
    Transfer Amount: 4.45 LE
    Expected Result:
    User A Balance after transfer: 995.55 LE
    User B Balance after transfer: 105LE

2- Insufficient Balance Test Case:
    User A Balance: 1000 LE, Max. Balance: 1005 LE
    User B Balance: 100.55 LE, Max. Balance: 105 LE
    Transfer Amount: 1001 LE
    Expected Result:
    Error or Exception indicating insufficient balance for User A
    No change in User B's balance.

3- Transfer Amount Exceeds User B's Maximum Balance Test Case:
    User A Balance: 1000 LE, Max. Balance: 1005 LE
    User B Balance: 100.55 LE, Max. Balance: 105 LE
    Transfer Amount: 4.6 LE
    Expected Result:
    Error or Exception indicating that User B's maximum balance limit is exceeded
    No change in User A's balance or User B's balance.

4- Zero Transfer Amount Test Case:
    User A Balance: 1000 LE, Max. Balance: 1005 LE
    User B Balance: 100.55 LE, Max. Balance: 105 LE
    Transfer Amount: 0 LE
    Expected Result:
    Error or Exception indicating an invalid transfer amount
    No change in User A's balance or User B's balance.

5- Negative Transfer Amount Test Case:
    User A Balance: 1000 LE, Max. Balance: 1005 LE
    User B Balance: 100.55 LE, Max. Balance: 105 LE
    Transfer Amount: -100 LE
    Expected Result:

Error or Exception indicating an invalid transfer amount

No change in User A's balance or User B's balance.

6- Transfer Amount Equal to User A's Balance Test Case:

User A Balance: 1000 LE, Max. Balance: 1005 LE

User B Balance: 100.55 LE, Max. Balance: 105 LE

Transfer Amount: 1000 LE

Expected Result:

User A Balance after transfer: 0 LE

User B Balance after transfer: 200.55 LE.

7- Transfer Amount Equal to User B's Balance Test Case:

User A Balance: 1000 LE, Max. Balance: 1005 LE

User B Balance: 100.55 LE, Max. Balance: 105 LE

Transfer Amount: 100.55 LE

Expected Result:

User A Balance after transfer: 899.45 LE

User B Balance after transfer: 201.1 LE.

Q-2

The boundary value are =

32001

Q-3

1- Valid Login Test Case:

Phone Number: Valid phone number.

OTP: Valid 6-digit OTP.

Expected Result: Successful login.

2- Invalid OTP Test Case:

Phone Number: Valid phone number.

OTP: Invalid 6-digit .

Expected Result: Incorrect OTP error message.

3- Incorrect OTP Multiple Attempts Test Case:

Phone Number: Valid phone number

OTP: Incorrect OTP entered multiple times .

Expected Result: After the 4th incorrect attempt, the user should be prompted to enter the phone number again to generate a new OTP.

4- Phone Number Not Entered Test Case:

Phone Number: Empty or not entered.

OTP: Valid 6-digit OTP.

Expected Result: Error message indicating that the phone number is required.

5- OTP Not Entered Test Case:

Phone Number: Valid phone number.

OTP: Empty or not entered.

Expected Result: Error message indicating that the OTP is required.

6- Invalid Phone Number Test Case:

Phone Number: Invalid phone number format.

OTP: Valid 6-digit OTP.

Expected Result: Error message indicating an invalid phone number format.

7- Invalid OTP Length Test Case:

Phone Number: Valid phone number.

OTP: Invalid OTP length.

Expected Result: Error message indicating that the OTP should be a 6-digit number.

Q-4.

Valid Scenarios:

1- Add 1 item to the cart:
   - Number of items added: 1.
   - Stock quantity after adding: 9.
   - Expected Result: Successful addition to the cart.

2- Add 2 items to the cart:
   - Number of items added: 2.
   - Stock quantity after adding: 8.
   - Expected Result: Successful addition to the cart.

Invalid Scenarios:

1- Add 0 items to the cart:
   - Number of items added: 0.
   - Stock quantity remains unchanged: 10.
   - Expected Result: Error or exception indicating that at least one item should be added to the cart.

2- Add more than 2 items to the cart:

   - Number of items added: 3 or more

- Stock quantity remains unchanged: 10
- Expected Result: Error or exception indicating that the user can only add up to 2 items of the same product to the cart.

3- Add items when the stock quantity is zero:

- Number of items added: 1 or 2.
- Stock quantity: 0.
- Expected Result: Error or exception indicating that the product is out of stock.

4-Add items exceeding the available stock quantity:

- Number of items added: 10.
- Stock quantity: Less than the number of items being added .
- Expected Result: Error or exception indicating that the stock quantity is insufficient for the requested number of items.