

SDET Assessment

Jiaqi Zhang

04/05/2022

Question – 1

Test Cases:

1. Test Case ID: TC_CheckOut_001
 - Test Description: Verify Check Out button functionality
 - Test Case: Select **Valid number** of items
 - Pre-Condition: User added their items into cart
 - Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Test Data: <Valid quantity items>
 - Expected result: Redirect to the Check Out page
 - Actual result: Successful redirect to Check Out page
 - Status (Pass/Fail): Pass
2. Test Case ID: TC_Payment_Visa_002
 - Test Description: Verify card detail verification functionality
 - Test case: Choose a **Valid Card type** and Enter a **Valid Visa card number**
 - Pre-Condition: User added valid necessary delivery detail
 - Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address
 - Choose Visa card type
 - Enter a valid Visa card number
 - Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
 - Expected result: Processing order and show order number
 - Actual result: Successful give order number
 - Status (Pass/Fail): Pass
3. Test Case ID: TC_Payment_Visa_003
 - Test Description: Verify card detail verification functionality
 - Test case: Choose a **Valid Card type** and Enter a **Invalid Visa card number**
 - Pre-Condition: User added valid necessary delivery detail
 - Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address

- Choose Visa card type
- Enter an invalid Visa card number
 - 1. Enter length less than 16 card number
 - 2. Enter card number contains letters or symbols
 - 3. Enter non-English characters
 - 4. Enter a valid non-visa card number
- Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Invalid Card Number>
- Expected result: A message "Please check you card number"
- Actual result: Successful give order number
- Status (Pass/Fail): Fail

4. Test Case ID: TC_Payment_Mastercard_004

- Test Description: Verify card detail verification functionality
- Test case: Choose a **Valid Card type** and Enter a **Valid Mastercard card number**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address
 - Choose Mastercard card type
 - Enter a valid Mastercard card number
- Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
- Expected result: Processing order and show order number
- Actual result: Successful give order number
- Status (Pass/Fail): Pass

5. Test Case ID: TC_Payment_Mastercard_005

- Test Description: Verify card detail verification functionality
- Test case: Choose a **Valid Card type** and Enter an **Invalid Mastercard card number**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address
 - Choose Mastercard card type
 - Enter an invalid Mastercard card number
 - 1. Enter length less than 16 card number
 - 2. Enter card number contains letters or symbols
 - 3. Enter non-English characters
 - 4. Enter a valid non-Mastercard number
- Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Invalid Card Number>
- Expected result: A message "Please check you card number"
- Actual result: Successful give order number
- Status (Pass/Fail): Fail

6. Test Case ID: TC_Email_006

- Test Description: Verify email detail
- Test case: Enter a **valid email address**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address
 - Choose Visa card type
 - Enter a valid Visa card number
- Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
- Expected result: Processing order and show order number
- Actual result: Successful give order number
- Status (Pass/Fail): Pass

7. Test Case ID: TC_Email_007

- Test Description: Verify email detail
- Test case: Enter an **invalid email address**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add invalid email
 - Add valid address
 - Choose Visa card type
 - Enter a valid Visa card number
- Test Data: <Valid Forename> <Invalid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
- Expected result: A message "Please enter a valid email"
- Actual result: Showed the message "Please enter a valid email"
- Status (Pass/Fail): Pass

8. Test Case ID: TC_Forename_008

- Test Description: Verify forename detail
- Test case: Enter a **valid forename**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Add valid address
 - Choose Visa card type
 - Enter a valid Visa card number
- Test Data: <Valid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
- Expected result: Processing order and show order number

- Actual result: Successful give order number
- Status (Pass/Fail): Pass

9. Test Case ID: TC_Forename_009

- Test Description: Verify forename detail
- Test case: Leave the Forename text field **empty**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Leave forename text field empty
 - Add valid email
 - Add valid address
 - Choose Visa card type
 - Enter a valid Visa card number
- Test Data: <Invalid Forename> <Valid Email> <Valid Address> <Valid Card Type> <Valid Card Number>
- Expected result: A message "Forename is required"
- Actual result: Show the message "Forename is required"
- Status (Pass/Fail): Pass

10. Test Case ID: TC_Address_010

- Test Description: Verify address detail
- Test case: Leave the Address text field **empty**
- Pre-Condition: User added valid necessary delivery detail
- Steps:
 - Access to shop page
 - Added items in their cart
 - Click 'Check Out button'
 - Add valid forename
 - Add valid email
 - Leave address text field empty
 - Choose Visa card type
 - Enter a valid Visa card number
- Test Data: <Invalid Forename> <Valid Email><Invalid Address> <Valid Card Type> <Valid Card Number>
- Expected result: A message "Address is required"
- Actual result: Show the message "Address is required"
- Status (Pass/Fail): Pass

Question – 2

Selected challenges: Challenge 1 and challenge 2

GitHub address: https://github.com/SuperFeoNe/SDET_Assessment