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Manual QA Engineer test

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**─**  
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Positive scenario   
  
**Login Functionality**  
  
Verify that the user is able to log in to their account with valid credentials.  
  
**Test Case:   
Login process using valid credentials**   
**Preconditions:**  
-The user credentials (username and password) are available for testing.  
- Open the Login Page  
**Test Steps:**  
  
-enter valid email credentials into the email field  
-enter valid password credentials into the password field  
-Press the 'Login' button"   
  
Expected result:  
- the user is able to successfully log in;  
  
  
  
  
Negative scenario  
**Login Functionality**  
  
Verify that the user is not able to log in to their account with invalid credentials.  
  
**Test Case:   
Login process using invalid credentials**   
**Preconditions:**  
-The user credentials (username and password) are available for testing, but invalid.  
- Open the Login Page  
**Test Steps:**  
  
-enter invalid email credentials into the email field  
-enter invalid password credentials into the password field  
-Press the 'Login' button"   
  
Expected result:  
- the user is not able to successfully log in;  
  
  
**Test scenario** :  
 Verify that the user is not able to log in with invalid credentials  
  
**Comment** :  
- A smooth login experience increases user confidence and trust.  
- Protect sensitive user information.  
- Helps remove problems that can cause problems for users during login.  
- Protect against hacking attempts with smart account-locking features.

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Positive scenario  
  
**Test Case: Verify if UI Elements are present  
Preconditions:**  
- Open the Login Page  
**Test Steps:**  
  
-Open the login page  
-Observe the elements   
  
Expected result:  
The user is able to confirm that the login page contains the following elements:  
- Username input field.  
- Password input field.  
- Login button.  
  
Negative scenario:  
**Test Case: UI Elements are not completely present  
Preconditions:**  
- Open the Login Page  
**Test Steps:**  
  
-Open the login page  
-Observe the elements   
  
Expected result:  
The user is not able to confirm that the login page contains the following elements:  
- Username input field.  
  
  
  
**Test scenario** :  
 Verify that the user is not able to see login input fields (boxes).  
  
**Comment** :  
- Ensuring that UI elements are well-designed contributes to a positive user experience, making the process intuitive and user-friendly.  
- Includes checking accessibility features to verify UI elements. An optimized access page ensures that individuals with disabilities can access and use login functionality.  
- Users access websites from different devices (desktops, laptops, tablets and smartphones) and browsers. Testing UI elements ensures a consistent and attractive layout on large screen resolutions.  
- UI elements play an important role in providing error messages and instructions to users. Testing ensures that error messages are clear, concise, and displayed to help users understand and resolve issues during login.  
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Positive scenario: **Test Case: Login button functionality**   
**Preconditions:**  
-The user credentials (username and password) are available for testing.  
- Open the Login Page  
**Test Steps:**  
  
-enter valid email credentials into the email field  
-enter valid password credentials into the password field  
-Press the 'Login' button"   
  
Expected result:  
- the user is able to successfully log in;  
**Test scenario** :  
 Verify that the user is able to click on the “Login” button  
Negative scenario:  
  
**Test Case: Login button is not functional**   
**Preconditions:**  
-The user credentials (username and password) are available for testing.  
- Open the Login Page  
**Test Steps:**  
  
-enter valid email credentials into the email field  
-enter valid password credentials into the password field  
-Press the 'Login' button"   
  
Expected result:  
- the user is not able to successfully log in;  
**Test scenario** :  
 Verify that the user is not able to click on the “Login” button  
  
**Comment** :  
- The login button is the gateway to the application or website.   
- The user is able to control it’s data on the website and track progress (purchases etc).  
  
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Positive scenario: **Test Case: Tapping on the logo returns to the homepage**   
**Preconditions:**  
-The user has access to the website  
- Select any page instead homepage  
**Test Steps:**  
- Go to <https://petstore.octoperf.com/actions/Catalog.action?viewCategory=&categoryId=BIRDS>  
-Tap on JpetStore logo on the top right corner   
  
Expected result:  
- The user is able to return to a homepage

**Test scenario** :  
 Verify that the user is able to return to the home page when tapping on the website logo.  
  
Negative scenario:  
**Test Case: Tapping on the logo do not return to the homepage**   
**Preconditions:**  
-The user has access to the website  
- Select any page instead homepage  
**Test Steps:**  
- Go to <https://petstore.octoperf.com/actions/Catalog.action?viewCategory=&categoryId=BIRDS>  
-Tap on the JpetStore logo in the top right corner   
  
Expected result:  
- The user is not able to return to a homepage  
**Test scenario** :  
 Verify that the user is not able to return to the home page when tapping on the website logo.  
  
  
**Comment** :  
- Users often expect that clicking on the logo will take them back to the homepage. Testing this ensures that the application or website meets all user expectations, enhancing the user experience.  
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Positive scenario: **Test Case: Brute force attack**   
**Preconditions:**  
-The user has access to the website  
  
**Test Steps:**  
- Go to login page  
- Perform multiple consecutive failed login attempts   
  
  
Expected result:  
- Confirm that the system implements a lockout mechanism or delays login attempts after a certain number of failures to prevent brute force attacks  
  
**Test scenario** :  
 Verify that the user is locked upon multiple failed attempts to login   
  
**Comment** :  
- brute force attacks use a simple or easily guessable password. Testing helps enforce a secure password policy and ensures that the system can recognize and respond to repeated login attempts using incorrect credentials.  
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Positive scenario: **Test Case: Empty Password**  
**Preconditions:**  
-The user has access to the website  
-Go to Login page  
  
**Test Steps:**  
- Go to login page  
- Attempt to log in without entering a password  
  
  
Expected result:  
- The user is not able to login without password  
  
**Test scenario** :  
 Verify that the system prompts the user to enter a password and does not allow the login process to continue  
  
**Comment** :  
- Empty passwords can open the door to unauthorized access, causing serious risk to user accounts. Testing ensures that the system rejects blank passwords and prevents unauthorized access.  
  
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Positive scenario: **Test Case: Session Timeout**  
**Preconditions:**  
-The user has access to the website  
-Go to Login page  
  
**Test Steps:**  
- Go to login page  
- Attempt to log after session has timed out  
  
  
Expected result:  
- Confirm that the system redirects the user to the login page, indicating that the session has expired.  
  
**Test scenario** :  
 Verify that the system redirects the user to the login page, indicating that the session has expired.  
  
**Comment** :  
- Allowing users to login upon session timed out may indicate a lack of awareness of best security practices  
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Positive scenario: **Test Case: Simultaneous Login Attempts**  
**Preconditions:**  
-The user has access to the website  
-Go to the Login page  
-Use multiple devices for login  
  
**Test Steps:**  
- Go to the login page on both devices  
- Attempt to log in on both devices

Expected result:  
- Confirm that the system handles concurrent login attempts appropriately, possibly preventing multiple logins for the same user

**Test scenario** :  
 Verify that the system handles concurrent login attempts appropriately, possibly preventing multiple logins for the same user.  
  
**Comment** :  
  
-Preventing simultaneous login for the same user on different devices can assure customers' trust in security systems implemented in a website.  
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**Product Search, Add to Cart**

To ensure the main functionality of the website works seamlessly for users looking to find a product, add it to their cart.

Positive scenario: **Test Case: Search, for a Product**

**Preconditions:**  
-The user has access to the website   
  
**Test Steps:**  
- Go to home page (or any page) and tap on Search bar on top right corner  
- Enter a product name

Expected result:  
- Verify that relevant products appear in the search results  
**Test scenario** :  
 Verify that relevant products appear in the search results.  
  
Negative scenario: **Test Case: Search, for a Misspelled Product**

**Preconditions:**  
-The user has access to the website   
  
**Test Steps:**  
- Go to home page (or any page) and tap on Search bar on top right corner  
- Enter a misspelled product name

Expected result:  
- Ensure that no results are shown or that an appropriate message is displayed.  
**Test scenario** :  
 Ensure that no results are shown or that an appropriate message is displayed upon entering a misspelled product name.

**Comment** :  
  
-An efficient search function enhances the user experience by allowing users to find the content they are looking for faster  
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Positive scenario: **Test Case: View Product Details**

**Preconditions:**  
-The user has access to the website   
  
**Test Steps:**  
- Go to the home page (or any page) and tap on any product listed  
- Observe the information

Expected result:  
- Confirm that all product details, including description, price and availability are accurate  
**Test scenario** :  
 Confirm that all product details, including description, price, and availability are accurate upon selecting product details.

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Positive scenario: **Test Case: Add Product to Cart**

**Preconditions:**  
-The user has access to the website   
  
**Test Steps:**  
- Go to the home page (or any page) and tap on any product listed  
- Tap to add to cart

Expected result:  
- Verify that the selected product is successfully added to your shopping cart.

Check that the cart icon correctly reflects the number of items you have added **Test scenario** :  
Check when adding an item to the cart is displayed correctly.  
  
**Comment** :  
- A seamless and error-free "add to cart" process contributes to a better user experience.  
  
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Positive scenario: **Test Case: Cart Update**

**Preconditions:**  
-The user has access to the website   
  
**Test Steps:**  
- Go to the home page (or any page) and tap on any product listed  
- Tap to add to cart  
- Modify the quantity of a product, in the cart.

Expected result:  
Make sure that the total price reflects the updated quantity.

Remove a product from the cart. Confirm that it is reflected in the updated cart. **Test scenario** :  
Check when updating a cart reflects and update correctly.  
  
  
**Comment** :  
- An error-free cart update benefits the user experience.