
ShopSmart Test Cases For Use Case-1: Login / Logout

UC01_TC01 - User Successfully Logs In:

Description: Verify that a user can successfully log in with valid credentials.

Pre-conditions:

- User has valid login credentials.
- The application is accessible.

Post-conditions:

- User is logged into the system.
- User is redirected to the homepage/dashboard.

Data required: Valid username and password.

UC01_TC02 - User Fails To Log In Due To Invalid Credentials:

Description: Verify that a user cannot log in with invalid credentials.

Pre-conditions:

- User has invalid login credentials.
- The application is accessible.

Post-conditions:

- User remains on the login page.
- An error message is displayed indicating invalid credentials.

Data required: Invalid username or password.

UC01_TC03 - User Logs Out Successfully:

Description: Verify that a logged-in user can successfully log out of the system.

Pre-conditions:

- User is logged into the system.
- The application is accessible.

Post-conditions:

- User is logged out of the system.
- User is redirected to the login page.

Data required: Logged-in user session.

UC01_TC04 - User Has Already Logged Out:

Description: Verify that the system handles logout request when the user is already logged out.

Pre-conditions:

- User is logged out of the system.
- The application is accessible.

Post-conditions:

- User remains on the login page.
- No action is taken.

Data required: None.

ShopSmart Test Cases For Use Case-2: Sign Up

UC02_TC01 - User Successfully Signs Up:

Description: Verify that a user can successfully sign up with valid information.

Pre-conditions:

- User does not have an existing account.
- The application's sign-up functionality is accessible.

Post-conditions:

- User is registered with the system.
- User is redirected to the login page.

Data required: Valid email address, password, and any additional required information for sign-up.

UC02_TC02 - User Fails To Sign Up Due To Existing Account:

Description: Verify that a user cannot sign up with an email address that is already registered.

Pre-conditions:

- User's email address is already registered in the system.
- The application's sign-up functionality is accessible.

Post-conditions:

- User remains on the sign-up page.
- An error message is displayed indicating that the email address is already in user.

Data required: Existing email address.

UC02_TC03 - User Fails To Sign Up Due To Invalid E-Mail Format:

Description: Verify that a user cannot sign up with an invalid email format.

Pre-conditions:

- User provides an email address with an invalid format (e.g., missing '@' symbol).
- The application's sign-up functionality is accessible.

Post-conditions:

- User remains on the sign-up page.
- An error message is displayed indicating that the email format is invalid.

Data required: Invalid email address format.

UC02_TC04 - User Fails To Sign Up Due To Short Password:

Description: Verify that a user cannot sign up with a password that is too short.

Pre-conditions:

- User provides a password that is shorter than the minimum required length.
- The application's sign-up functionality is accessible.

Post-conditions:

- User remains on the sign-up page.
- An error message is displayed indicating that the password is too short.

Data required: Short password.

ShopSmart Test Cases For Use Case-3: Show Product

UC03_TC01 - User Can View Product Details:

Description: Verify that a user can successfully view the details of a product.

Pre-conditions:

- User is logged into the system.
- The product is available for viewing.

Post-conditions:

- User is presented with the detailed information of the product.
- User can interact with the product details (e.g., view images, read description).

Data required: Product ID or reference.(e.g., link of product page)

UC03_TC02 - User Fails To View Nonexistent Product:

Description: Verify that a user cannot view details of a product that does not exist.

Pre-conditions:

- The product does not exist in the system.
- The application's product viewing functionality is accessible.

Post-conditions:

- User remains on the previous page or is redirected to an error page.
- An error message is displayed indicating that the product does not exist.

Data required: Nonexistent product ID or reference.

UC03_TC03 - User Fails To View Unauthorized Product:

Description: Verify that a user cannot view details of a product if not authorized.

Pre-conditions:

- User is not authorized to view the specific product.
- The application's product viewing functionality is accessible.

Post-conditions:

- User remains on the previous page or is redirected to an error page.
- An error message is displayed indicating unauthorized access.

Data required: Product ID or reference, unauthorized user credentials.

ShopSmart Test Cases For Use Case-4: Manage Product

UC04_TC01 - Merchant Can Add New Product:

Description: Verify that a merchant user can successfully add a new product to the system.

Pre-conditions:

- Merchant user is logged into the system.
- The application's product management functionality is accessible.

Post-conditions:

- The new product is added to the system database.
- The product is visible to users.

Data required: Product details (name, description, price, etc.).

UC04_TC02 - Merchant Can Edit Product Details:

Description: Verify that a merchant user can successfully edit the details of an existing product.

Pre-conditions:

- Merchant user is logged into the system.
- The product to be edited exists in the system.

Post-conditions:

- The changes to the product details are saved in the system.
- The updated product details are reflected for users.

Data required: Product ID or reference, updated product details.

UC04_TC03 - Merchant Can Delete Product:

Description: Verify that a merchant user can successfully delete a product from the system.

Pre-conditions:

- Merchant user is logged into the system.
- The product to be deleted exists in the system.

Post-conditions:

- The product is removed from the system database.
- The product is no longer visible to users.

Data required: Product ID or reference.

UC04_TC04 - Merchant Fails To Delete Nonexistent Product:

Description: Verify that a merchant user cannot delete a product that does not exist.

Pre-conditions:

- Merchant user is logged into the system.
- The product to be deleted does not exist in the system.

Post-conditions:

- No action is taken.
- An error message is displayed indicating that the product does not exist.

Data required: Nonexistent product ID or reference.

ShopSmart Test Cases For Use Case-5: Rate Product

UC05_TC01 - User Can Rate / Comment Product:

Description: Verify that a user can successfully rate and comment a product.

Pre-conditions:

- User is logged into the system.
- The product to be rated / commented exists in the system.

Post-conditions:

- The user's rating and comment are recorded for the product.
- The overall rating of the product is updated accordingly.
- The comment is associated with the respective product.

Data required: Product ID or reference, user's rating and comment.

UC05_TC02 - User Fails To Rate / Comment Nonexistent Product:

Description: Verify that a user cannot rate / comment a product that does not exist.

Pre-conditions:

- User is logged into the system.
- The product to be rated / commented does not exist in the system.

Post-conditions:

- No action is taken.
- An error message is displayed indicating that the product does not exist.

Data required: Nonexistent product ID or reference, user's rating and comment.

UC05_TC03 - User Fails To Rate / Comment Product Without Logging In:

Description: Verify that a user cannot rate / comment a product without being logged into the system.

Pre-conditions:

- User is logged into the system.
- The product to be rated / commented does not exist in the system.

Post-conditions:

- User is prompted to log in.
- No rating or comment is recorded for the product.

Data required: Product ID or reference, user's rating and comment.

UC05_TC04 - User Fails To Rate / Comment Product More Than Once:

Description: Verify that a user cannot rate / comment a product more than once.

Pre-conditions:

- User is logged into the system.
- The product to be rated / commented exists in the system.
- User has already rated the product.

Post-conditions:

- No additional rating is recorded for the product.
- An error message is displayed indicating that the user has already rated / commented the product.

Data required: Product ID or reference, user's rating and comment.