TEST SCENARIOS & TEST CASES [PracticeSoftwareTesting]

Note: Test cases are reproduced from the user's provided data. IDs are kept as-is within each module. For Add to Cart cases we reference 'AddToCart-<ID>' where uniqueness is required (e.g., in RTM or Bug Report).

# Registration

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Module | TC ID | Description | Steps | Test Data | Expected Result | Actual Result | Status |
| Registration | TC001 | Submit form with all empty fields | Leave all fields empty and submit | N/A | All required field errors are shown | All 'required' errors shown | Fail |
| Registration | TC002 | Valid first and last name | Fill with valid values and submit | First=mahesh, Last=reddy | Accepted | Accepted | Pass |
| Registration | TC003 | Invalid chars in first/last name | Enter special chars and numbers | First=.,0511%$#, Last=??0A$%$w2277 | First/Last name required / invalid format | Accepted? → Expected validation | Fail |
| Registration | TC004 | Invalid DOB format | Enter wrong format | 05-11-20001 | Error: Enter valid date YYYY-MM-DD | Accepted? | Fail |
| Registration | TC005 | Future DOB | Enter future date | 11/5/2050 | Should not accept future DOB | Accepted | Fail |
| Registration | TC006 | Valid DOB | Enter valid DOB | 11/5/2001 | Accepted | Accepted | Pass |
| Registration | TC007 | Valid address with ,./-\_ | Enter address with allowed symbols | A. mahesh, 1-13/23, mount\_road | Accepted | Accepted | Pass |
| Registration | TC008 | Street with special characters | Enter !@#$%^&\*() | !@#$%^&&\*() | Should not allow these special characters | Accepted in street address | Fail |
| Registration | TC009 | Postal code numeric 5-6 digits | Enter 500085 | 500085 | Accepted | Accepted | Pass |
| Registration | TC010 | Postal code alphanumeric | Enter ind001 | ind001 | Accepted | Accepted | Pass |
| Registration | TC011 | Postal code special characters | Enter !@#$%^&\*() | !@#$%^&\*() | Should not accept special characters | Accepted | Fail |
| Registration | TC012 | City as spaces only | Enter only spaces | (space) | City must be a name | Accepted | Fail |
| Registration | TC013 | City with mixed case + trailing spaces | Enter HyDeRaBad / HYDERABAD + spaces | HyDeRaBad , HYDERABAD , hyderabad , Hyderabad (with spaces) | Auto-format to Title Case; trim spaces | Accepted without formatting | Fail |
| Registration | TC014 | City values in various cases | Enter all-caps/lower/title | HYDERABAD, hyderabad, Hyderabad | (Preference) Auto-format to title case | Accepted | Pass |
| Registration | TC015 | Invalid city values | Enter numbers/special/alphanumeric | #hyd, @hyderabad, hyd124, !@#$% | Show invalid city error | Accepted | Fail |
| Registration | TC016 | State mixed case + trailing spaces | Enter TeLaNgAnA / TELANGANA + spaces | TeLaNgAnA , TELANGANA , telangana , Telangana (with spaces) | Auto-format to Title Case; trim spaces | Accepted | Fail |
| Registration | TC017 | State values in various cases | Enter uppercase/lowercase/title | TELANGANA , telangana , Telangana | (Preference) Auto-format to title case | Accepted | Pass |
| Registration | TC018 | Invalid state | Enter numeric/alphanumeric/special | #tel, @tel, @Tel, 12#$%^&\*() | Invalid state error | Accepted | Fail |
| Registration | TC019 | Country alpha only | Enter India / INDIA | India, INDIA | Accepted | Accepted | Pass |
| Registration | TC020 | Default country selected | Open form | N/A | Default shows 'Select country' | Accepted | Pass |
| Registration | TC021 | Select country with keyboard | Use arrows/shortcut then Enter | ind + Enter | Accepted | Accepted | Pass |
| Registration | TC022 | Submit without selecting country | Leave default and submit | N/A | Country is required | Country is required (but marked Fail in user table) | Fail |
| Registration | TC024 | Phone number as spaces | Enter only spaces | (spaces) | Only numbers allowed | Only numbers allowed | Pass |
| Registration | TC025 | Valid 10-digit phone | Enter 9177788999 | 9177788999 | Accepted | Accepted | Pass |
| Registration | TC026 | Number with +country code | Enter +91 then number | +919177788999 | Use separate country code dropdown (numbers only) | Only numbers allowed; dropdown mandatory | Fail |
| Registration | TC027 | Phone field autofocus on click | Click into field | N/A | Autofocus visible | Autofocus visible | Pass |
| Registration | TC028 | Phone < 10 digits | Enter fewer than 10 digits | 1234 | Require 10 digits | Accepted | Fail |
| Registration | TC029 | Phone > 10 digits | Enter more than 10 digits | 9.99E+10 | Limit to 10 digits | Accepted | Fail |
| Registration | TC030 | Phone > 24 digits | Enter >24 digits | 2.22211E+33 | Reject input (>24) | Not accepted | Pass |
| Registration | TC031 | Phone with spaces between digits | Enter 99 22 33 44 55 | 99 22 33 44 55 | Auto-trim and keep digits only | Not accepted; only numbers required | Fail |
| Registration | TC032 | Valid email | Enter valid email | mahi@gmail.com | Accepted | Accepted | Pass |
| Registration | TC033 | Email with dot in local part | Enter name.0511 | mahi.0511@gmail.com | Accepted | Accepted | Pass |
| Registration | TC034 | Email with numeric local part | Enter numeric name | mahi123@gmail.com | Accepted | Accepted | Pass |
| Registration | TC035 | Copy/paste email with trailing space | Paste address with trailing space | mahi123@gmail.com␠ | Auto-trim trailing spaces | Not accepted | Fail |
| Registration | TC036 | Email missing @ or . | Remove symbol | mhi123gmail.com | Email format incorrect error | Not accepted (error shown) | Pass |
| Registration | TC037 | Missing domain | Remove '@gmail.com' | mahi123 | Email format incorrect error | Not accepted (error shown) | Pass |
| Registration | TC038 | Email with special char | Use illegal char | mahi#1244@gmail.com | Email format incorrect error | Not accepted (error shown) | Pass |
| Registration | TC039 | Password minimum valid length | Enter >=8 chars meeting policy | Abcd@123 | Accepted | Accepted | Pass |
| Registration | TC040 | Password policy all types | Upper, lower, digit, special | Test@123 | Accepted | Accepted | Pass |
| Registration | TC041 | Very long password | Enter >16–18 chars | Test@123.0511Test@123Abcd#124 | Should be limited to <=16/18 | Accepted | Fail |
| Registration | TC042 | Password < 8 chars | Enter short password | 123av | Not accepted | Not accepted | Pass |
| Registration | TC043 | Password only letters | Enter only alphabets | Asdfiufhljx | Invalid; need special+digits | Not accepted | Pass |
| Registration | TC044 | Password only numbers | Enter only digits | 123456789 | Invalid; need upper/lower/special | Not accepted | Pass |
| Registration | TC045 | Password only lowercase | Enter only lowercase | asdfghjkl | Invalid; need upper/digit/special | Not accepted | Pass |
| Registration | TC046 | Password without special chars | Enter Abcd1234 | Abcd1234 | Invalid; special required | Not accepted | Pass |
| Registration | TC047 | Password contains spaces | Enter with spaces | Acsd @1233 | (Depending policy) Accept or trim | Accepted | Pass |
| Registration | TC048 | Password empty | Leave empty | (empty) | Password policy message displayed | Policy message displayed | Pass |
| Registration | TC049 | Successful registration | Fill valid inputs, click register | Valid data | Accepted | Accepted | Pass |
| Registration | TC050 | Register with a missing input | Leave any required field empty | (one field empty) | Required field message | Required field message | Pass |
| Registration | TC051 | Register button state | Fill required fields; observe button | N/A | Enabled only when valid | Enabled (suggestion for manual enabling) | Pass |

# Login

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Module | TC ID | Description | Steps | Test Data | Expected Result | Actual Result | Status |
| Login | TC\_001 | Presence of Google Sign-In button/label | Check visibility and label | N/A | Button visible, labeled correctly | As expected | Pass |
| Login | TC\_002 | Click action Google Sign-In | Click Google Sign-In | Google account | Google login window appears | Appears | Pass |
| Login | TC\_003 | Successful login via Google | Complete sign-in | maheshreddy0511@gmail.com | Logged in and redirected | As expected | Pass |
| Login | TC-004 | Cancel Google login | Cancel sign-in at Google prompt | Same account | Login cancelled | Cancelled | Pass |
| Login | TC\_005 | Invalid Google credentials | Enter wrong password | Same account | Error returned (wrong password) | Error shown | Pass |
| Login | TC\_006 | Email field presence and label | Inspect email field | N/A | Field visible and labeled | As expected | Pass |
| Login | TC\_007 | Required field validation (email) | Leave blank then submit | N/A | Email required | Email required | Pass |
| Login | TC\_008 | Valid email entry | Enter correct format | maheshreddyavula0511@gmail.com | Accepted | Accepted | Pass |
| Login | TC\_009 | Invalid email syntax | Remove @ | maheshreddyavula0511gmail.com | Invalid email error | Invalid email error | Pass |
| Login | TC\_010 | Trailing spaces in email | Enter with spaces | maheshreddyavula@0511@gmail.com | Accepted (trim/handle) | Accepted | Pass |
| Login | TC\_011 | Special characters in email (allowed) | Enter plus/other allowed chars | mahesh+!055@gmail.com | Accepted if valid per RFC | Accepted | Pass |

# Product Catalog / Category / Search

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Module | TC ID | Description | Steps | Test Data | Expected Result | Actual Result | Status |
| Product Catalog / Category / Search | PC001 | Verify product list is displayed | Open Home Page | N/A | Product images, names, prices shown | As expected | Pass |
| Product Catalog / Category / Search | PC002 | Open product details page | Click a product | N/A | Redirects to details page | As expected | Pass |
| Product Catalog / Category / Search | PC003 | Sorting by price (Low → High) | Apply sort | N/A | Products sorted correctly | As expected | Pass |
| Product Catalog / Category / Search | PC004 | Sorting by name (A → Z) | Apply sort | N/A | Alphabetical order | As expected | Pass |
| Product Catalog / Category / Search | PC005 | Filter by category | Select 'pliers' | pliers | Only pliers displayed | As expected | Pass |
| Product Catalog / Category / Search | PC006 | Filter by price range | Select 1–100 | range 1 to 100 | Only products in range | As expected | Pass |
| Product Catalog / Category / Search | PC007 | Search valid product | Search 'drill' | drill | Matching results displayed | As expected | Pass |
| Product Catalog / Category / Search | PC008 | Search invalid product | Search 'XYZ123' | XYZ123 | No products found message | 'No products found' shown | Pass |
| Product Catalog / Category / Search | PC009 | Select from category list | Pick any category and verify | N/A | Exact products of selected category displayed | As expected | Pass |
| Product Catalog / Category / Search | PC010 | Search with special characters | Search with !@#$%^\*& | !@#$%^\*& | No products found message | As expected | Pass |

# Add to Cart (Shipping Form validations used during add-to-cart/checkout)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Module | TC ID | Description | Steps | Test Data | Expected Result | Actual Result | Status |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC001 | Submit shipping form with all empty fields | Leave all fields empty and submit | N/A | All required errors are shown | All required errors shown | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC002 | Valid first/last name in shipping | Fill form with valid values and submit | First=mahesh, Last=reddy | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC003 | Invalid chars in name (shipping) | Enter special chars and numbers | .,0511%$# / ??0A$%$w2277 | Validation errors for names | Accepted (should fail) | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC004 | Invalid DOB format (shipping) | Enter wrong format | 05-11-20001 | Error for invalid date YYYY-MM-DD | Error shown? (user marked Fail) | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC005 | Future DOB (shipping) | Enter future date | 11/5/2050 | Should not accept future DOB | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC006 | Valid DOB (shipping) | Enter 11/5/2001 | 11/5/2001 | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC007 | Address allowed symbols ,./-\_ (shipping) | Enter address with allowed symbols | A. mahesh, 1-13/23, mount\_road | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC008 | Street with prohibited special chars | Enter !@#$%^&\*() | !@#$%^&&\*() | Should not allow | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC009 | Postal code numeric 5-6 digits | Enter 500085 | 500085 | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC010 | Postal code alphanumeric | Enter ind001 | ind001 | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC011 | Postal code special characters | Enter !@#$%^&\*() | !@#$%^&\*() | Reject special characters | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC012 | City as spaces | Enter only spaces | (spaces) | City must be a name | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC013 | City mixed case + spaces | Enter variants with spaces | HyDeRaBad / HYDERABAD / hyderabad / Hyderabad (with spaces) | Auto-format Title Case & trim | Accepted without formatting | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC014 | City various cases | Enter HYDERABAD, hyderabad, Hyderabad | As above | (Prefer) Accept and format | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC015 | Invalid city (numbers/special) | Enter #hyd, @hyderabad, hyd124, !@#$% | As provided | Show invalid city error | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC016 | State mixed case + spaces | Enter TeLaNgAnA / TELANGANA + spaces | As provided | Auto-format Title Case & trim | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC017 | State various cases | Enter TELANGANA / telangana / Telangana | As provided | (Prefer) Accept & format | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC018 | Invalid state values | Enter #tel, @tel, @Tel, 12#$%^&\*() | As provided | Invalid state error | Accepted | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC019 | Country alpha only | India / INDIA | As provided | Accepted | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC020 | Default country | Open without changes | N/A | Default 'select country' visible | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC021 | Keyboard selection from country list | Use arrows/shortcut then Enter | ind + Enter | Selected | Accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC022 | Submit without country | Leave default and submit | N/A | Country is required | Country is required | Fail |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC023 | Unknown options in dropdown | Try null/undefined/numbers | null/undefined/numbers | Should not accept | Not accepted | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC024 | Phone number spaces only | Enter spaces | (spaces) | Only numbers allowed | Only numbers allowed | Pass |
| Add to Cart (Shipping Form validations used during add-to-cart/checkout) | AddToCart-TC025 | Valid 10-digit phone | Enter 9177788999 | 9177788999 | Accepted | Accepted | Pass |

# Checkout & Payment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Module | TC ID | Description | Steps | Test Data | Expected Result | Actual Result | Status |
| Checkout & Payment | CO001 | Checkout page loads | Add product → Checkout | N/A | Checkout page displayed | Cart/Checkout page displayed | Pass |
| Checkout & Payment | CO002 | Cart product visibility | Verify items count and details | N/A | Products available in cart | Products available in cart | Pass |
| Checkout & Payment | CO003 | Update quantity updates totals | Change qty to 3; observe totals | Qty=3 | Totals update correctly | Totals correct | Pass |
| Checkout & Payment | CO004 | Proceed to checkout button | Click 'Proceed to checkout' | N/A | Navigates to sign-in page if not signed in | Works correctly | Pass |
| Checkout & Payment | CO005 | Login during checkout | Enter credentials (valid/invalid) | maheshreddyavula0511@gmail.com / Avula0511 | Successful login shows confirm | Confirm message; logged in | Pass |
| Checkout & Payment | CO006 | Valid shipping info | Enter valid address, postal code | Valid data | Accepted | Accepted | Pass |
| Checkout & Payment | CO007 | Invalid shipping details | Street '123', City 'hyd', State 'Tel', Country 'Ind', Postal '!@#' | Invalid dataset | Error messages displayed; stay on shipping | Accepted and moved to payment | Fail |
| Checkout & Payment | CO008 | Payment with valid card | Enter 16-digit card | Valid Visa/MasterCard | Payment success; order confirmed | Payment success | Pass |
| Checkout & Payment | CO009 | Payment with invalid card number | Enter '123456789' | Invalid | Invalid card number error | Invalid card message shown | Pass |
| Checkout & Payment | CO010 | Expired card rejection | Enter expired date | Expired card | Error message | Error message shown | Pass |
| Checkout & Payment | CO011 | Successful order confirmation | Complete checkout | Valid card | Confirmation page; order ID | Confirmation page; order ID | Pass |