
Test Scenarios and Test Cases – MagicBricks Buy Page Automation

Project Overview

- **Application Under Test:** MagicBricks.com (Real Estate Portal)
- **Test Framework:** Selenium WebDriver + TestNG
- **Programming Language:** Java
- **Reporting:** ExtentReports
- **Browser Support:** Chrome, Firefox, Edge
- **Test Data Source:** Excel ([LocationData.xlsx](#)) and [.properties](#) files

Test Execution Summary

Last Run: 2025-08-11

- **Total Test Cases:** 6
 - **Passed:** 5
 - **Failed:** 1 ([TC_TRENDS_001](#))
 - **Test Suite:** [MagicBricks-Buy-Page-Tests](#)
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Test Scenarios

TS_001: Buy Page Navigation and Verification

Objective: Verify navigation to the *Ready to Move* section and validate UI elements.

TS_002: Advice Page Input Validation

Objective: Validate location input and error handling for invalid entries.

TS_003: Trends Page Location Processing (Bug Detection)

Objective: Check for location mismatch issues on the *Trends* page.

TS_004: New Projects Multi-Selection Filtering

Objective: Test property type filtering with multiple selections.

TS_005: Property Details Completeness


Objective: Validate completeness and correctness of property listing information.

TS_006: Pagination Navigation

Objective: Confirm correct functioning of pagination on listing pages.

Detailed Test Cases

TC_BUY_001: Buy Page Navigation and Elements Verification

- **Scenario:** TS_001
- **Priority:** High
- **Status:**  PASSED
- **Type:** Functional, UI Navigation

Description:

Ensures users can navigate from the homepage to the *Buy > Ready to Move* page, and validates essential UI elements.

Steps:


1. Open [MagicBricks homepage](#)
2. Hover over the **Buy** tab
3. Click **Ready to Move** from the dropdown
4. Switch to the new tab/window
5. Verify the URL, page load, and presence of filters

Expected Results:

- URL contains relevant keywords (e.g., "ready", "buy")
- Search filters and property listings are visible
- Page loads fully

Actual Results:  All validations successful

TC_ADVICE_001: Advice Page Location Input Validation

- **Scenario:** TS_002
- **Priority:** Medium
- **Status:**  PASSED
- **Type:** Functional, Input Validation

Test Data: Pune (from LocationData.xlsx)

Steps:


1. Open [Advice Page](#)
2. Enter a location but do not select from the dropdown
3. Click **Explore**
4. Verify if validation error appears

Expected Results:

- Error message indicating a valid locality is required

Actual Results:  Validation works as expected

TC_TRENDS_001: Trends Page Location Mismatch Bug Detection

- **Scenario:** TS_003
- **Priority:** Medium
- **Status:**  FAILED
- **Type:** Functional, Bug Detection

Known Issue: Entering "Pune" may return trends for "Gurgaon"

Steps:

1. Navigate to [Trends Page](#)
2. Enter "Pune", do **not** select from dropdown
3. Click **Show Trends**
4. Compare displayed vs entered location


Expected Results:

- Trends should display for the entered location

Actual Results:  Location mismatch detected

Bug Status: Known and reproducible issue

TC_NEWPROJECTS_001: New Projects Multi-Selection Filter

- **Scenario:** TS_004
- **Priority:** Medium
- **Status:**  PASSED
- **Type:** Functional, Filter Testing

Steps:


1. Visit [New Projects Page](#)
2. Select all available property types (checkboxes)
3. Click **Search Projects**
4. Verify results and filtering behavior

Expected Results:

- Filter works with multiple selections
- Relevant results are displayed or a clear no-results message

Actual Results:  Working as intended

TC_PROPERTYDETAILS_001: Property Details Completeness Verification


- **Scenario:** TS_005
- **Priority:** High
- **Status:**  PASSED
- **Type:** Functional, Data Validation

Steps:


1. Open the *Ready to Move* listings
2. Click on a property to view details
3. Verify presence of key details:
 - Price
 - Property type
 - Carpet area
 - Location
 - Amenities
 - Images

Expected Results:

- At least 3 of 6 key details should be present
- Page must be content-rich (>200 characters)

Actual Results:  All required details present

TC_PAGINATION_001: Pagination Functionality Verification

- **Scenario:** TS_006
- **Priority:** Medium
- **Status:**  PASSED
- **Type:** Functional, Navigation

Steps:

1. Go to *Ready to Move* page
2. Scroll to the pagination controls
3. Navigate to **Page 2**
4. Verify URL and page indicator updates
5. Optionally return to **Page 1**

Expected Results:

- Pagination works correctly
- URL and listings reflect correct page

Actual Results:  Pagination is functioning correctly

Test Environment Configuration

Browser Setup

- **Default Browser:** Chrome
- **Supported Browsers:** Chrome, Firefox, Edge
- **Driver Management:** [WebDriverManager](#)
- **Settings:** Maximized, cookies cleared

Test Data

- **Excel File:** [LocationData.xlsx](#)
- **Properties File:** [BuyProperty.properties](#)
- **Sample Data:** "Pune" (with fallback handling)

Reporting & Logging

- **Report Format:** HTML via ExtentReports
- **Screenshots:** Captured for all test executions
- **Report Location:** [target/reports/ExtentReport_\[timestamp\].html](#)

Execution Strategy

- **Order:** Based on priority (1–6)
 - **Browser Sessions:** Fresh for each test
 - **Wait Strategy:** Explicit waits (15s)
 - **Error Handling:** Try-catch + logging
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Key Testing Insights

1. **Comprehensive Coverage**
 - Navigation, filtering, input validation, property detail checks
 2. **Bug Detection**
 - `TC_TRENDS_001` is designed to catch known location mismatch issues
 3. **Data-Driven Approach**
 - Excel and config files used for test inputs
 4. **Robust Framework**
 - Supports multiple browsers with clean session management
 5. **Realistic User Flows**
 - Tests simulate real-world behaviors and usage paths
 6. **Error Resilience**
 - Graceful handling of failures and edge cases
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Conclusion:

This automation test suite provides solid functional coverage for the MagicBricks Buy Page, focusing on usability, stability, and correctness of key features.