**MAGIC BRICKS TESTING APPLICATION REPORT**

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**Project:** Magic Bricks Automation Testing

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**Executed:** Cucumber(BDD) & Extent Reports

**ABSTRACTION**

This project is a Java-based Selenium automation framework built withCucumber (BDD) and TestNG, designed to test key functionalities of the MagicBricks application such as login, property search, shortlisting, and profile actions. It follows the Maven project structure, with feature files written in Gherkin, corresponding step definitions, and Page Object classes to promote reusability and maintainability. The framework integrates Cucumber HTML reports and ExtentReports for detailed test reporting.

**PURPOSE AND OUTCOME OF WHOLE TEST APPLICATION**

**Purpose of Testing the Application Purpose:**

1. To ensure that the end-to-end workflows of the MagicBricks application are stable and secure.
2. To validate that all user-critical modules such as login, search, services, cart, and logout work correctly.
3. To verify that invalid user actions are prevented, mandatory validations are enforced, and users are guided with proper error messages.
4. To provide confidence that the application is production-ready with minimal risks.

**Outcome:**

1. All 21 detailed test cases and 19 high-priority scenarios passed successfully.
2. The application’s functionality was validated across security, usability, and service booking flows.
3. Confidence Level: High – The system is stable, secure, and ready for production use.

**PURPOSE AND OUTCOME FOR EACH SCENARIOS AND TESTCASES:**

**SCENARIO 1: LOGIN WITH INVALID CREDENTIALS-**

**Click here:**

[**https://github.com/Roshinivijayakumar/Magic\_Bricks\_Testing\_Project/blob/master/src/test/resources/Features/InvalidLogin.feature**](https://github.com/Roshinivijayakumar/Magic_Bricks_Testing_Project/blob/master/src/test/resources/Features/InvalidLogin.feature)

**Login with Invalid Credentials**

* **Purpose:** To ensure that login with incorrect phone number and captcha is denied.
* **Outcome:** Error message *“Invalid credentials”* displayed.

**Login with Invalid Mobile Number**

* **Purpose:** To validate that login attempts with invalid mobile numbers are blocked.
* **Outcome:** Error message *“Invalid mobile number”* displayed.

**Login with Blank Credentials**

* **Purpose:** To verify that login without entering credentials is not allowed.
* **Outcome:** Error message *“Enter the phone number and captcha”* displayed.

**SCENARIO 2: LOGIN WITH VALID CREDENTIALS**

**Click here:**

<https://github.com/Roshinivijayakumar/Magic_Bricks_Testing_Project/blob/master/src/test/resources/Features/Profile.feature>

**Login with Valid Credentials**

* **Purpose:** To verify that a registered user can log in with correct credentials.
* **Outcome:** User lands on homepage successfully.

**SCENARIO 3: Invalid location**

**Click here:** [**https://github.com/Roshinivijayakumar/Magic\_Bricks\_Testing\_Project/blob/master/src/test/resources/Features/Invalidsearch.feature**](https://github.com/Roshinivijayakumar/Magic_Bricks_Testing_Project/blob/master/src/test/resources/Features/Invalidsearch.feature)

**Invalid Location Input**

* **Purpose:** To verify that when the user enters an invalid location/project name, the system should not return irrelevant results and must show an appropriate error message.  
  **Outcome:** Please enter valid location

**Blank location Field**

* **Purpose:** To verify that location without any text is not allowed.  
  **Outcome:** Error message “Provide a location”

**SCENARIO 4: PROPERTY SEARCH & FILTERS**

**Click here:**

[**https://github.com/Roshinivijayakumar/Magic\_Bricks\_Testing\_Project/blob/master/src/test/resources/Features/RealCommercial.feature**](https://github.com/Roshinivijayakumar/Magic_Bricks_Testing_Project/blob/master/src/test/resources/Features/RealCommercial.feature)

**Switch to Commercial Tab**

* **Purpose:** To verify that the user can switch from “Buy” to “Commercial” tab.
* **Outcome:** Commercial tab selected successfully.

**Apply Lease Filter**

* **Purpose:** To ensure lease filter can be applied if not selected by default.
* **Outcome:** Lease option selected successfully.

**Apply Office Space Filter**

* **Purpose:** To verify that user can apply “Office Space” filter.
* **Outcome:** Office Space option selected successfully.

**Apply Budget Filter (Min–Max Range)**

* **Purpose:** To verify that properties within specified budget range are displayed.
* **Outcome: Properties** displayed, but higher values are also shown (defect).

**Click Search and validate**

**Purpose:** To verify if the filters are applied and the page is got correctly

**Outcome:** Filtered page is found.

**SCENARIO 5: SHORTLIST**

[**https://github.com/Roshinivijayakumar/Magic\_Bricks\_Testing\_Project/blob/master/src/test/resources/Features/ShortlistProperty.feature**](https://github.com/Roshinivijayakumar/Magic_Bricks_Testing_Project/blob/master/src/test/resources/Features/ShortlistProperty.feature)

**Sort by Most Recent**

* **Purpose: To verify sorting functionality by “Most Recent.”**
* **Outcome: Results displayed in most recent order.**

**Shortlist a Property**

* **Purpose: To verify that user can shortlist a property from results.**
* **Outcome: Property added to shortlist successfully.**

**Remove Shortlisted Property**

* **Purpose: To ensure shortlisted properties can be removed.**
* **Outcome: Property removed successfully from shortlist.**

**View Shortlisted Items**

* **Purpose: To verify that shortlisted properties can be viewed from header.**
* **Outcome: Shortlisted properties are displayed correctly.**

**View More Details of Shortlisted Property**

* **Purpose: To ensure user can view detailed information of a shortlisted property.**
* **Outcome: Property details displayed successfully.**