NOBROKER TESTING APPLICATION REPORT

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Project: NoBroker Automated Testing

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Executed with: Cucumber (BDD) & Extent Reports

# Abstraction

The NoBroker Testing Application Project is focused on validating the key workflows of the NoBroker platform, a real-estate website that allows users to rent, buy, and post properties without brokerage fees.

This project used Behavior Driven Development (BDD) methodology with Cucumber Gherkin feature files to create structured test cases. The testing covered:

* Login flow with phone number and OTP verification.
* Rent and Buy page searches with different input conditions.
* End-to-end Posting of Property flow for property owners.

The project ensures that both functional and negative test cases are executed to improve application reliability, usability, and error handling.

# Purpose & Outcome of Whole Application Testing

The primary purpose of this project is to:

1. Validate application workflows such as login, property search, and posting.
2. Identify bugs and usability issues through positive and negative scenarios.
3. Ensure customer experience remains smooth while interacting with the platform.
4. Provide a detailed test case repository for regression and automation testing.
5. Demonstrate real-world testing practices with industry-relevant test scenarios.

This project mimics the responsibilities of a QA Engineer/Automation Tester, ensuring business-critical functionalities are reliable before deployment.

1. To ensure that the end-to-end workflows of the NoBroker 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.

After completing the test execution, the following outcomes were achieved:

* **Login Module:**
  + - Successfully validated invalid number and OTP error handling.
    - Confirmed OTP expiry and resend mechanism.
    - Verified successful login flow.
* **Rent Page:**
  + - Missing input fields triggered error messages.
    - Valid searches redirected to the correct results page.
    - Previous searches were correctly displayed in history.
* **Buy Page:**
  + - Validated both missing and valid input search scenarios.
    - Verified property filter selections (BHK, property type, price range).
    - Search history worked as expected.
* **Post Property Flow:**
  + - End-to-end flow successfully tested.
    - Owner was able to post a property with correct details.
    - Verified redirection to preview and posted property page.

**Overall Result:**

* Positive and negative scenarios were validated.
* No critical functionality failures observed.
* The application workflow was found to be robust and user-friendly.

# Purpose & Outcome of Each Scenario with Test Case Details

## Scenario 1: TS\_LOGIN\_01 – Login with invalid mobile number

Click here to view the feature file of Scenario 1:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/1.login.feature>

## Scenario 2: TS\_LOGIN\_02 – Error for invalid mobile number

Click here to view the feature file of Scenario 2:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/1.login.feature>

## Scenario 3: TS\_LOGIN\_03 – Error for invalid mobile number

Click here to view the feature file of Scenario 3:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/1.login.feature>

## Scenario 4: TS\_LOGIN\_04 – Invalid OTP & OTP timeout handling

Click here to view the feature file of Scenario 4:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/1.login.feature>

## Scenario 5: TS\_LOGIN\_05 – Login with valid mobile number

Click here to view the feature file of Scenario 5:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/1.login.feature>

## Scenario 6: TS\_Rent\_06 – Rent Page Search and Navigation

Click here to view the feature file of Scenario 6:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/2.rent.feature>

## Scenario 7: TS\_Rent\_07 – Rent Page Missing landmark

Click here to view the feature file of Scenario 7:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/2.rent.feature>

## Scenario 8: TS\_Rent\_08 – Rent Page Valid landmark and valid city

Click here to view the feature file of Scenario 8:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/2.rent.feature>

## Scenario 9: TS\_Rent\_09 – Rent Page History

Click here to view the feature file of Scenario 8:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/2.rent.feature>

## Scenario 10: TS\_BUY\_10 –Buy Page with invalid city

Click here to view the feature file of Scenario 10:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/3.buy.feature>

## Scenario 11:TS\_BUY\_11– Buy page Valid landmark and city

Click here to view the feature file of Scenario 11:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/3.buy.feature>

## Scenario 12 TS\_BUY\_11– Buy page History

Click here to view the feature file of Scenario 12:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/3.buy.feature>

## Scenario 13: TS\_POSTPROPERTY\_13 – Navigation of Homepage to Posting property and validation of posted property

Click here to view the feature file of Scenario 13:

<https://github.com/Yoga1902/NoBroker_Testing_App/blob/16a10d5131c2198fa174414f001ed44c94ba8d18/src/test/resources/features/4.postProperty.feature>

**Key Observations:**

1. Error handling works effectively for invalid phone numbers, OTPs, and missing mandatory fields.
2. Search functionality is responsive, with accurate results for both Rent and Buy pages.
3. Posting flow includes all essential user inputs (city, rent, deposit, amenities, guest preferences).
4. User navigation between home, search history, and property posting pages is smooth.
5. Application is ready for automation testing using Selenium/TestNG integration with these feature files.

# Conclusion

The NoBroker Testing Application Project demonstrates:

* A well-structured testing approach using Cucumber BDD.
* Comprehensive positive and negative test coverage.
* Reliable workflows across login, search, and posting modules.

This project highlights the importance of systematic QA processes in ensuring application stability and user satisfaction. By covering both functional and usability aspects, the testing has helped build confidence that the NoBroker platform provides a seamless experience to end users.