TEST PLAN

**Contents**

1.Introduction:

1.1 Purpose

1.2. Project Overview

       2. Objectives and Tasks

             1. Exploratory

             2. Functional Test

                 2. UAT

          3. Testing Strategy

      4. Environmental Requirements

             4.1. Hardware Requirements

             4.2. Software Requirements

          5. Features to Be Tested

          6. Features Not to Be Tested:

          7. Roles and Responsibilities

               7.1. Roles

               7.2. Test Team

               7.3. Test Lead

               7.4. Development Team

          8. Dependencies

                8.1. Personal Dependencies

                8.2. Software Dependencies

                8.3. Hardware Dependency

                8.4. Test Date and Database

 10. Risks and Mitigations

11. Tools

# 1. INTRODUCTION

## 1.1. Purpose

This test plan describes the testing approach and overall Testing that will drive the testing of the NOBROKER – Properties at nearest areas for Rent, Buy, Commercial Purposes in https://www.nobroker.in/ site. The document introduces:

* Test Strategy: rules the test will be based on, including the givens of the project (e.g.: start / end dates, objectives, assumptions); description of the process to set up a valid test (e.g.: Login criteria, creation of test cases, specific tasks to perform, scheduling, data strategy).
* Environmental Requirements: Describes What are the Requirements needed to test this Website. Like Hardware and Software Requirements to be Required.
* Roles and Responsibilities: This Section defines the who required and what are their roles to be working and Their Work also defined in this plan section. This will helpful to share their work and work properly with all tests Regarding their purpose.

## 1.2 Project Overview

NoBroker.com is a free property ad posting site that I have tried before. I found that it aids me well and gets the right tenants for my properties. Sell a property online or advertise a house for rent. Post a property advertisement on NoBroker.in -Rent/Sell a Property in Bangalore, Mumbai, Pune, Chennai, Hyderabad, Delhi, Noida, Gurgaon etc.

The functionality of this module spans through the entire system, making information available anywhere, anytime. All information is subject to company’s defined security policy, where he/she can only view the information he/she is authorized to edit their Information individually. And visible all the content with 0 charges and 100% accuracy.

   2. Objectives and Tasks

### **1.Exploratory**

**PURPOSE**: the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

**SCOPE**: First level navigation, dealer, and admin modules

**TESTERS**: Testing team.

**METHOD**: this exploratory testing is carried out in the application without any test scripts and documentation

**TIMING**: at the beginning of each cycle.

### 2.**Functional Test**

**PURPOSE:**  Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application.

**Scope:** The below excel sheet details about the scope of Functional test. Note: The scope is high level due to changes in the requirement.

**TESTERS**: Testing Team.

**METHOD**: The test will be performed according to Functional scripts, which are stored in HP ALM.

**TIMING**: after Exploratory test is completed.

### 3.**User Acceptance Test (UAT)**

**PURPOSE**: this test focuses on validating the business logic. It allows the end users to complete one final review of the system prior to deployment.

**TESTERS**: the UAT is performed by the end users (L1, L2 and L3).

**METHOD**: Since the business users are the most indicated to provide input around business needs and how the system adapts to them, it may happen that the users do some validation not contained in the scripts. Test team write the UAT test cases based on the inputs from End user (L1,L2 and L3 users) and Business Analyst’s.

**TIMING**: After all other levels of testing (Exploratory and Functional) are done. Only after this test is completed the product can be released to production.

# 3. TEST STRATEGY

## 3.1. Test Objectives

The objective of the test is to verify that the functionality of NOBROKER–Property Finding Through Buy, Rent, Commercial works according to the specifications.

The test will execute and verify the test scripts, identify, fix, and retest all high and medium severity defects per the entrance criteria, prioritize lower severity defects for future fixing.

## 3.2. Test Assumptions

**Key Assumptions**

* Production like data required and be available in the system prior to start of Functional Testing In each testing phase.

**General**

* Exploratory Testing would be carried out once the build is ready for testing Performance testing is not considered for this estimation.
* All the defects would come along with a snapshot JPEG format.
* The Test Team assumes all necessary inputs required during Test design and execution will be supported by Development/BUSINESS ANALYSTs appropriately.
* Test case design activities will be performed by QA Group
* Test environment and preparation activities will be owned by Dev Team
* Dev team will provide Defect fix plans based on the Defect meetings during each cycle to plan. The same will be informed to Test team prior to start of Defect fix cycles
* BUSINESS ANALYST will review and sign-off all Test cases prepared by Test Team prior to start of Test execution
* Project Manager/BUSINESS ANALYST will review and sign-off all test deliverables
* The project will provide test planning, test design and test execution support
* Project team has the knowledge and experience necessary, or has received adequate training in the system, the project and the testing processes.
* There is no environment downtime during test due to outages or defect fixes.

**Functional Testing**

* During Functional testing, testing team will use preloaded data which is available on the system at the time of execution
* The Test Team will be performed Functional testing only on NOBROKER–Property Finding.

**UAT**

* UAT test execution will be performed by end users (L1, L2and L3) and QA Group will provide their support on creating UAT script.

4. Environmental Requirements

             4.1. Hardware Requirements:

A Laptop with Windows/mac Os WorkStation

Operating System: Windows 7/8/10

             4.2. Software Requirements:

Access with Windows Browsers

Access with MS Excel, MS Word

     5. Features to Be Tested:

The main Features is tested in the No Broker Website are

1.Login/Signup

2.Services: Buy, Rent, Commercial

3.Payment Service: Pay Rent.

    6. Features Not to Be Tested:

The Features are not going to be Tested is

1. Menu
2. Post Your Property
3. My Bookings.

      7. Roles and Responsibilities

               7.1. Roles

The following list defines in general terms the expectations related to the roles directly involved in the management, planning or execution of the test for the project.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Roles** | **Name** | **Contact Info** |
| 1. | Project Manager |  |  |
| 2. | Test Lead |  |  |
| 3. | Business Analyst |  |  |
| 4. | Development Lead |  |  |
| 5. | Testing Team |  |  |
| 6. | Development Team |  |  |
| 7. | Technical Lead |  |  |

               7.2. Test Team

* Develop test conditions, test cases, expected results, and execution scripts.
* Perform execution and validation.
* Identify, document, and prioritize defects according to the guidance provided by the Test lead.
* Re-test after software modifications have been made according to the schedule.
* Prepare testing metrics and provide regular status.

               7.3. Test Lead

* Acknowledge the completion of a section within a cycle.
* Give the OK to start next level of testing.
* Facilitate defect communications between testing team and technical / development team.

               7.4. Development Team

* Review testing deliverables (test plan, cases, scripts, expected results, etc.) and provide timely feedback.
* Assist in the validation of results (if requested).
* Support the development and testing processes being used to support the project.
* Certify correct components have been delivered to the test environment at the points specified in the testing schedule.
* Keep project team and leadership informed of potential software delivery date slips based on the current schedule.
* Define processes/tools to facilitate the initial and ongoing migration of components.
* Conduct first line investigation into execution discrepancies and assist test executors in creation of accurate defects.
* Implement fixes to defects according to schedule.

  8. Dependencies

                8.1. Personal Dependencies

Test Lead

Test Manager

                8.2. Software Dependencies

Google Text Translator

Social Media

                8.3. Hardware Dependency

NA

                8.4. Test Date and Database

NA

 9. Risks and Mitigations

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Prob.** | **Impact** | **Mitigation Plan** |
| **SCHEDULE**  Testing schedule is tight. If the start | High | High | The testing team can control the preparation tasks (in advance) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Prob.** | **Impact** | **Mitigation Plan** |
| of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date. |  |  | and the early communication with involved parties.  Some buffer has been added to the schedule for contingencies, although not as much as best practices advise. |
| **RESOURCES**  Not enough resources, resources on boarding too late (process takes around 15 days. | Medium | High | Holidays and vacation have been estimated and built into the schedule; deviations from the estimation could derive in delays in the testing. |
| **DEFECTS**  Defects are found at a late stage of the cycle or at a late cycle; defects discovered late are most likely be due to unclear specifications and are time consuming to resolve. | Medium | High | Defect management plan is in place to ensure prompt communication and fixing of issues. |
| **SCOPE**  Scope completely defined | Medium | Medium | Scope is well defined but the changes are in the functionality are not yet finalized or keep on changing. |
| Natural disasters | Low | Medium | Teams and responsibilities have been spread to two different geographic areas. In a catastrophic event in one of the areas, there will resources in the other areas needed to continue (although at a slower pace) the testing activities. |
| Non-availability of Independent Test environment and accessibility | Medium | High | Due to non availability of the environment, the schedule gets impacted and will lead to delayed start of Test execution. |
| Delayed Testing Due To new Issues | Medium | High | During testing, there is a good chance that some “new” defects may be identified and may become an issue that will take time to resolve.  There are defects that can be raised during testing because of unclear document specification. These defects can yield to an issue that will need time to be resolved. If these issues become  showstoppers, it will greatly impact |
| **Risk** | **Prob.** | **Impact** | **Mitigation Plan** |
|  |  |  | on the overall project schedule. If new defects are discovered, the defect management and issue management procedures are in place to immediately provide a resolution. |

10. Tools

Soap Ui, Selenium, Browser for Manual Testing