

# Test Plan

## Skyscanner Flight Search

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## Document Version

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## Distribution

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# Business Solution Testing Approach

This document outlines the high-level test plan for the business solutions.

This document details the testing that will be performed by the project team for the particular SF. It defines the overall testing requirements and provides an integrated view of the project test activities. Its purpose is to document what will be tested and how the testing will be performed.

*Note: This document should be reviewed by the QA manager prior to distribution to the wider audience.*

## Audience

The audience for this document includes project team members listed below:

- Project Manager
- Assigned BS Developer
- Assigned BS Business Analyst
- QA Manager
- Assigned UAT test team

## Review Expectations

Team members are expected to review this document to ensure that:

- The scope of the change is understood / agreed on by team members.
- Test scenarios documented herein provide the appropriate level of coverage; any gaps should be pointed out during reviews (written feedback is preferred).
- Configurations are identified that are required for testing; specific changes are clear and understood.
- The test priority and coverage is appropriate; test cases are executed based on suite and priority.

## Quality Objectives

### Primary Objective

A primary objective of testing is to: assure that the system meets the full requirements, and fit metrics for each quality requirement and satisfies the use case scenarios and maintain the quality of the product. At the end of the project development cycle, the user should find that the project has met or exceeded all their expectations as detailed in the requirements.

Any changes, additions, or deletions to the requirements document, Functional Specification, or Design Specification will be documented and tested at the highest level of quality allowed within the remaining time of the project and within the ability of the test team.

### Secondary Objective

The secondary objective of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate matter before release. As an objective, this requires careful and methodical testing of the application to first ensure all areas of the system are scrutinized and, consequently, all issues (bugs) found are dealt with appropriately.

# TITLE

## Supporting documentation

The documents below should be used as a base reference to analyze the test scenarios covered by testing this feature.

| Ref # | Document Name                       | URL   |
|-------|-------------------------------------|---|
| URL   | Skyscanner Flight Search - RapidAPI | <a href="https://rapidapi.com/skyscanner/api/skyscanner-flight-search/details">https://rapidapi.com/skyscanner/api/skyscanner-flight-search/details</a> |

## High Level Testing Information

Various scenarios will be covered. Scenarios will cover web application and different scenarios

## Requirements

| Story # | Priority | Requirement title                        | JIRA ID# |
|---------|----------|--|----------|
| 1       | High     | Login access to Skyscanner Flight Search | SF-001   |
| 2       | High     | Fulfilment of List Places form           | SF-002   |
| 3       | High     | Fulfilment of Browse Quotes form         | SF-003   |
| 4       | High     | Fulfilment of Browse Routes form         | SF-004   |
| 5       | High     | Fulfilment of Browse Dates form          | SF-005   |
| 6       | High     | Fulfilment of Browse Dates Inbound form  | SF-006   |
| 7       | High     | Fulfilment of Browse Quotes Inbound form | SF-007   |
| 8       | High     | Fulfilment of Routes Quotes Inbound form | SF-008   |
| 9       | High     | Retrieve List Markets                    | SF-009   |
| 10      | High     | Retrieve Currencies                      | SF-010   |

## Notes

Test cases will be run in iterations using different parameters.

# Test Scenario Review

Test scenarios, environments and configurations to be tested are listed below.

| Test case # | Title  | Pos/Neg | Sanity | Requirement Ref # |
|-------------|--|---------|--------|-------------------|
| 001         | Access to the system with valid credentials                    | Pos     | Yes    | SF-001            |
| 002         | Access to the system with invalid credentials                  | Neg     | No     | SF-001            |
| 003         | Fulfil the List Place with valid field parameters              | Pos     | Yes    | SF-002            |
| 004         | Fulfil the List Place with invalid field parameters            | Neg     | No     | SF-002            |
| 005         | Fulfil the Browse Quotes with valid field parameters           | Pos     | Yes    | SF-003            |
| 006         | Fulfil the Browse Quotes with invalid field parameters         | Neg     | No     | SF-003            |
| 007         | Fulfil the Browse Routes with valid field parameters           | Pos     | Yes    | SF-004            |
| 008         | Fulfil the Browse Routes with invalid field parameters         | Neg     | No     | SF-004            |
| 009         | Fulfil the Browse Dates with valid field parameters            | Pos     | Yes    | SF-005            |
| 010         | Fulfil the Browse Dates with invalid field parameters          | Neg     | No     | SF-005            |
| 011         | Fulfil the Browse Dates Inbound with valid field parameters    | Pos     | Yes    | SF-006            |
| 012         | Fulfil the Browse Dates Inbound with invalid field parameters  | Neg     | No     | SF-006            |
| 013         | Fulfil the Browse Quotes Inbound with valid field parameters   | Pos     | Yes    | SF-007            |
| 014         | Fulfil the Browse Quotes Inbound with invalid field parameters | Neg     | No     | SF-007            |
| 015         | Fulfil the Routes Quotes Inbound with valid field parameters   | Pos     | Yes    | SF-008            |
| 016         | Fulfil the Routes Quotes Inbound with invalid field parameters | Neg     | No     | SF-008            |
| 017         | Retrieve List Markets in response                              | Pos     | Yes    | SF-009            |
| 018         | Retrieve Currencies in response                                | Pos     | Yes    | SF-010            |

## Test scenario 1:

Scenario describes cases when user is trying to login with valid login data using the valid parameters.

## Test scenario 2:

Scenario describes cases when user is trying to login with invalid login data using the valid parameters.

## Test scenario 3:

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

## Test scenario 4:

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

## Test scenario 5:

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 6:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 7:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 8:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 9:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 10:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 11:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 12:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 13:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 14:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 15:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters for all related fields with success response status.

**Test scenario 16:**

Scenario describes cases when user is trying to fulfil the form using the valid parameters only for some related fields and using the invalid parameters for all related form fields (numbers, letters, etc) with failed response status.

**Test scenario 17:**

To ensure that response will retrieve a list of markets in the success response.

**Test scenario 18:**

To ensure that response will retrieve a list of currencies in the success response.

### **Automation Coverage**

All test case scenarios shall be automated and included in Regression testing scope.

Only positive test case scenarios shall be automated and included in Sanity testing scope.

### **Scenarios Not Covered**

Correctness of retrieved results with success status responses.