**Skyscanner Flight Search API Testing Test Plan**

Test Plan Identifier: *Skyscanner Flight Search API Testing TP\_1.0*

**References**  
Skyscanner application is available on this link: <https://rapidapi.com/skyscanner/api/skyscanner-flight-search/details>.

Skyscanner API Documentation is available on the link: <https://rapidapi.com/skyscanner/api/skyscanner-flight-search/endpoints>.

**Introduction**

This test plan is designed to explain and describe the following objectives:

* The scope and approach which will be used during testing process
* Identify the items to be and not to be tested
* Identify the types of testing to be performed
* Define the tools which will be used for automated testing

**Scope of Testing**

Items that will be tested include following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Section Name** | **Description** | | |
| **Application Sign Up** | User registration | | |
| **Application Sign In** | User signing in | | |
| **Subscription to API Endpoints** | User subscription to the Skyscanner API Endpoints | | |
| **API Endpoints** | **API Name** | **HTTP Method** | **Details** |
| List Markets | GET | Testing using valid and invalid required parameters |
| Currencies | GET | Testing using valid required parameters |
| List Places | GET | Testing using valid and invalid required parameters |
| Browse Quotes | GET | Testing using valid and invalid required parameters |
| Browse Routes | GET | Testing using valid and invalid required parameters |
| Browse Dates | GET | Testing using valid and invalid required parameters |
| Browse Dates Inbound | GET | Testing using valid required parameters |
| Browse Quotes Inbound | GET | Testing using valid required parameters |
| Browse Routes Inbound | GET | Testing using valid required parameters |

Items that will not be tested:

|  |  |  |  |
| --- | --- | --- | --- |
| **Section Name** | **Description** | | |
| **About** | Application Information | | |
| **Tutorials** | Application Tutorials | | |
| **Discussions** | Application Discussions | | |
| **Pricing** | Application Pricing | | |
| **External Links** | Application External Links | | |
| **API Endpoints** | **API Name** | **HTTP Method** | **Details** |
| Browse Dates Inbound | GET | Testing using invalid required parameters |
| Browse Quotes Inbound | GET | Testing using invalid required parameters |
| Browse Routes Inbound | GET | Testing using invalid required parameters |

**Approach**

Approach which will be used in addition to test the application and its endpoints includes investigation and exploration of the application. After basic investigation of the application, finding adequate and relevant information, exploratory testing will be performed. Result of the exploratory testing is determination of test cases. Test cases will be created and grouped by the test type. Every test will be marked as Pass or Fail. Tests marked as Fail will be reported as bugs. Certain tests, based on assignment request, will be automated.

**Test types**

According to the assignment, test types that will be performed are:

* Exploratory Testing
* Positive testing
* Negative Testing
* Smoke Testing

**Tools**

* JMeter – for the test automation
* GitHub – Git tool, repository link: <https://github.com/ajdinkaliman/SkyscannerAPITests>