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**Introduction**

Yathra online is leading travel service provider. This project is perform QA testing of their online flight booking application.

**Scope of this document**

The scope of this document is to provide an insight into overall testing strategy and plan for yathra.com web application. The project is to test yathra.com flight module to ensure the quality of application functionality

**Business & System Overview**

Yatra online is leading travel service provider. This project is to perform QA testing of their online flight booking application. The yatra.com web application helps prospective customers to plan their travel with ease, hotel booking and other destination management requirements.yatra.com provide various travel and destination management functionalities for its customers. yatra.com’s flight booking flow helps users to search for flights, apply filters on search and book a flight based on their specific requirements.

The major functionalities of Flight flow include

1. Search for a Flight
2. Filter Flight based on criteria
3. Book a Flight & Confirm booking
4. Cancel a booking

**Test Approach**

**Test Items**

**Features to be tested**

The features to be tested include the flight flow in yatra.com application. The modules/functional flow to be tested are

1. Search for a Flight
2. Filter Flight based on criteria
3. Book a Flight & Confirm booking
4. Cancel a booking

**Features not to be tested**

Any other functionalities/ business flows other than Flight flow will not be tested

**Test Strategy**

The strategy / approach to test Filght flow in yatra.com application is to execute test different stages. Test execution will include following levels

Smoke Testing

Smoke testing is the initial testing activity done whenever a new application build is available for testing . It covers very basic scenarios , including page navigation and most basic functional cases. Some testing/Build verification testing is done to ensure stability of new build, its stable enough to proceed with an elaborate testing effort.100% pass in some test is mandatory to proceed with further levels of testing

**Component Testing**

In this phase each application module is tested independently to ensure functionality is working as expected.

**Integration Testing**

In integration testing independently tested application modules are integrated and tested . This is mainly done to ensure data transfer and communication between integrated modules are working as expected. Independent modules are added to application incrementally and testing is performed

**System Testing**

This phase involves end to end testing of application integrating all modules . E2E scenarios and business flow use cases are tested and verified in this phase

**Sprint-wise Scope**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sprint 0** | | | | **Module/Functionality** |
| Task | Responsibility | Manual | Automation |  |
| Test Strategy & Plan Preparation & Signoff | Test Manger/Lead | NA | NA | NA |
| **Sprint 1** | | | |  |
| Testcase Design | Testers | Yes | No | Search Flight & Filter Flight |
| Automation Test Script Design | Automation Testers | No | Yes | Search Flight & Filter Flight |
| Review (Peer) | Testers & Lead | Yes | Yes | Search Flight & Filter Flight |
| Test Execution | Testers | Yes | No | Search Flight & Filter Flight |
| Defect Reporting & Tracking | Testers | Yes | No | Search Flight & Filter Flight |
| **Sprint 2** | | | |  |
| Testcase Design | Testers | Yes | No | Book Flight & confirm Flow |
| Automation Test Script Design | Automation Testers | No | Yes(Sprint 2 Items) | Book Flight & confirm Flow |
| Review(Peer) | Testers & Lead | Yes | Yes | Book Flight & confirm Flow |
| Test Execution | Testers | Yes | Yes (Sprint 1 items) | Book Flight & confirm Flow - Manual  Search Flight & Filter Flight - Automation |
| Defect Reporting & Tracking | Testers | Yes | Yes | Book Flight & confirm Flow -Manual  Search Flight & Filter Flight - Automation |

**Test Environment**

Hardware & Software Requirements

* AWS Server
* JIRA for Qmetry – Test cases & Defect Reporting & Tracking
* Java Development Environment
* Selenium Library
* Git

**Test Deliverables**

The test deliverables include following

* Test Plan Document
* Test Case Document
* Automation Test Scripts
* Test Reports
* Test Closure Reports

**Conclusion**

This document details the plan and strategy for testing flight flow in yatra.com application, to be shared with stake holders.