**TEST PLAN**

**Europe Tours**

**Revision History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| 1.0 | 15.3.2023 | Loveena | First Draft |
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# Introduction

The purpose of this project is to test the functionalities of <https://www.tourradar.com/d/europe> web page. This system will do the following:

1. The travel application is to design a system using which one can perform all operations related to travelling. This website helps the user to plan their tours.
2. This website offers numerous travel packages which helps the user to plan a tour according to their budget.

This document serves as high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.

## **Test Plan Objective**

The main objective of the test plan are as follows:

* To identify the features of the <https://www.tourradar.com/d/europe> web page that will be tested.
* To identify and define all the activities necessary to prepare for and conduct the testing process on the <https://www.tourradar.com/d/europe> web page.
* To identify the Entry and Exit criteria.
* To identify the deliverables of the testing phase.
* To define any suspension criteria and resumption techniques.
* To discuss the testing techniques being used to test the <https://www.tourradar.com/d/europe> web page.

# Scope

## **2.1 In Scope**

The scope of the project includes testing the features of <https://www.tourradar.com/d/europe> web page based on the different areas of the web page as follows:

* Website Link
* Logo
* User Authentication
* Search Option
* Home Page
* Sort and filter
* View Tour
* Add to wishlist
* Download Brochure
* View Map

## **2.2 Out of Scope**

The Following features are not to be tested

* All the feautres except that are mentioned under ‘In Scope’
* Any third-party features or payment gateways

# 3 Test Strategy

## 3.1 Overview

This section of test plan describes the overall approach for testing the <https://www.tourradar.com/d/europe> web page. The approach followed for testing the <https://www.tourradar.com/d/europe> web page ensures that the major functionalities mentioned in the Scope section are adequately tested. The testing would be carried out by logging into the application as a Traveller/ User. As part of Functional Testing, the below approach for testing is followed:

3.1.1 Creation of Test Scenarios and Test cases for the different features in the scope.

* Test design techniques are applied while creating test cases, like:
* Equivalence Class Partition
* Boundary Value Analysis
* Decision Table Testing
* State Transition Testing
* Create Test Cases by applying the below methods:
* Error Guessing
* Exploratory Testing
* Prioritise the Test cases

## **3.2 Testing Approach and process**

* Perform Smoke Test to check the important functionalities of the application are working or not.
* If the Smoke test fails, reject the build and wait for the stable build before performing the test of application functionalities.
* Once a stable build is received, which passes the Smoke test, perform the functional testing using the created test cases.
* Report bugs in the bug tracking tool.
* As part of testing, the below testing types are performed:
* Smoke Testing
* Sanity Testing
* Regression Testing
* Retesting
* Functionality Testing
* Usability Testing
* UI Testing

# 4 Resource & Environment Needs

## 4.1 Testing Tools

The following are the list of tools used in the project

* Jira Bug Tracking Tool
* Selenium for Automation
* Word and Excel documents

## 4.2 Test Environment

* Windows 10 - Chrome, Firefox and Edge
* Android Mobile OS - Chrome
* IPhone Mobile OS - Safari

## 4.3 Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Person A | Test Manager | * Manage the whole project * Define project directions * Acquire appropriate resources |
| Person B | Test Engineer | * Interacte with the application, * Create and execute test cases * Report defects * Coordinate the test execution * Submit daily issue updates and summary defect reports to the client * Attend client meeting |
| Person C | Test Administrator | * Builds up and ensures test environment are managed and maintained * Support tester to use the test environment for test execution |

# 5 Test Schedule

|  |  |
| --- | --- |
| **Task** | **Time Duration** |
| Test plan creation | Start date to End Date |
| Test case creation | Start date to End Date |
| Test case execution | Start date to End Date |
| Summary report submission | Date |

# 6 Control Procedures

## **6.1 Reviews**

The project team will perform reviews for each phase(Requirements review, Design review, Code review,Test Plan review, Test case review and Test Summary review.)

## **6.2 Bug Review Meetings**

Regular daily meeting will be held to discuss reported defects.

## **6.3 Defect Reporting**

During the test execution,

* Any deviation from expected behaviour by the application will be noted. If it cannot be reported as a defect, it would be reported as an observation or issue or posed as a question.
* Any usability issues will be reported.
* After a defect is identified, it will be retested to verify the reproducability of the defect. Screenshots with steps to reproduce are documented.

# 7 Entry and Exit criteria

## **7.1 Entry Criteria**

* Requirement specifications
* Test Plan
* Test cases
* Unit test cases should pass

## **7.2 Exit Criteria**

* Zero Installer defects
* Completion of planned Test cases execution
* No P1/P2 functional defect from any iteration.

# 8 Suspension Criteria and Resumption Requirements

## **8.1 Suspension Criteria**

Testing for all the dependent features will be suspended if a test case fails. The failed test case will be logged onto the test log which contains the description for the error.

## **8.2 Resumption Requirements**

The test cases which are not dependent on the case where the bug is reported will be executed in parallel with the bug fixing. Once the failed test case has been taken note of and has been identified and fixed then the testing for the failed test case will resume.

# 9 Test Deliverables

The Test Artifacts that will be delivered during different phases of the testing lifecycle are

* Test Plan
* Test Cases
* Defect Reports
* Summary reports