**Test Strategy –Calculate Trip Cost**

Tripadvisor

**Calculate Trip Cost**

**Test Strategy**

**Author:** Runtime Terror

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# 1.0 Introduction

## 1.1 Purpose

The Test Strategy document is used to define types of testing, levels of testing and to record the approach that will be used for the various types of testing of the system. This document outlines the approach to be used to ensure that the critical functionalities, both new and existing, of the system are tested at the appropriate level.

The Test Strategy document will also define the scope of testing to enable the development of test conditions, test cases, automation and estimates.

The Test Strategy document serves as a communication vehicle to identify any testing issues as early as possible in the project lifecycle.

## 1.2 Target Audience

Business Unit (BU) SME

Academy Coach

Technical Trainer

# 2.0 System Description

Tripadvisor is a World's largest travel platform founded by Stephen Kaufer, Langley Steinert, Nick Shanny, and Thomas Palka in February 2000 that offers [online hotel reservations](https://en.wikipedia.org/wiki/Online_hotel_reservations) and bookings for transportation, [lodging](https://en.wikipedia.org/wiki/Lodging), travel experiences, and restaurants.

Tripadvisor works with airlines, travel providers, and booking of different locations around the world that list airfare, tours, and travel packages on Tripadvisor through which travellers can browse and book them. It provides a platform which can help travellers to plan their trip.

# 3.0 Test Deliverables

|  |  |
| --- | --- |
| Project Phase | Deliverables |
| Test Planning | **·** Test Strategy Document |
| Test Analysis & Design | **·** Test Conditions  **·** Test Cases  **·** Test Data  **·** Test Environment  **·** Automated Test Scripts |
| Test Execution | **·** Test Logs |
| Test Completion | **·** Test Summary Report |

# 4.0 Test Types

The following are the types of Testing used in the Web Development courses

1. Functional Testing
2. Regression Testing
3. Smoke Testing
4. Automation Testing

# 5.0 Multibrowser Testing

Based on the requirements for the application the testing is done on two browsers to ensure the working of the application in multiple browsers. The two browsers used for testing are Chrome and Firefox

# 6.0 Test Data

Test data for the application is provided from excel file. The test data are stored in the excel file and provided during run time. Data driven library creation is done using Apache POI and property file is used to keep the URL and Browser.

# 7.0 Resources Required

## 7.1 Hardware

* Personal Computer

## 7.2 Software

* Windows 7 and above
* Chrome 60 and above
* Firefox 60 and above
* MS Excel
* Selenium Web drivers
* Apache POI
* TestNG