**Test Strategy**

**Calculate Trip Cost (Trip Advisor)**

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**Test Strategy – Calculate Trip Cost**

**1.0 Introduction**

TripAdvisor is an online travel company that offers online hotel reservations and bookings for lodging, travel experiences, cruises and restaurants. The purpose of this Test Strategy is to test the different functionalities of the system. This includes the following functionalities:

1) Search for Holiday Homes functionality

2) Top 3 Search Results details of Holiday Homes

3) Search for Cruises functionality

4) Getting the cruise details

This Test Strategy document will help the testers to perform the required tests and guide them on how to manage the project.

**2.0 System Description**

TripAdvisor is a free travel guide and research website that offers reviews and information TripAdvisor operates sister sites in other countries (the UK, Italy, Spain, Germany, France, Ireland, Japan and India). Apart from the obligatory reviews of hotels and other attractions, TripAdvisor has some nifty features. Users can quickly and easily post their vacation videos and travel marketers can showcase their properties by featuring their videos on TripAdvisor for free. They also offer a personalization tools allowing users to save hotel, restaurant, or attraction reviews to personal “My Trips” folders. Travelers can customize and expand their plans by adding maps, photos, their own notes and travel plan details.

**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 & Non – Functional Testing
2. Automation Testing

**5.0 Multi-Browser Testing**

Based on the requirements for the application the testing is done in Chrome, Microsoft Edge, Firefox Browsers to ensure the working of the application.

**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, Browser. The results that are fetched from Holiday Homes searches and Cruise Searches are written in Excel File using Apache POI.

**7.0 Resources Required**

**Hardware :** Laptop/ Desktop, Minimum 4 GB RAM

**Softwares:**

1. Windows / Linux / MAC
2. Web Browsers
3. Chrome
4. Microsoft Edge
5. FireFox
6. Drivers
7. Chrome Driver
8. Edge Driver
9. Gecko Driver
10. Java JDK(Java Development Kit)
11. Eclipse / Any Java program development IDE
12. MS Excel
13. Selenium Web drivers
14. Apache POI
15. TestNG
16. Maven
17. Jenkins
18. Selenium Grid