**Test Case Specification**

**Test Items**

* Distance Calculator

It is web based application used to get the distance between two geographical Locations.

**Environmental needs**

* Hardware: Minimum required for the installation of browser.
* Software: Google Chrome, Mozilla Firefox. (Any one browser that supports JavaScript)
* Facilities: Internet should be activated.

**Technologies Used**

* JavaScript
* Google APIs
* HTML
* CSS

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| **Project Name: Distance Calculator** | |
| **Test Case-1** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with valid Starting and Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Valid Starting and Ending City With road connectivity.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start=” New Delhi” | Distance In between New Delhi | Distance In between New | Pass |  |
| 2 | Provide valid Start City | End City=”Indore” | And Indore ie.892.3 | Delhi and Indore |  |  |
| 3 | Provide valid End City |  |  | By Road Is 892.26 |  |  |
| 4 | Click on Calculate Distance button |  |  | By Air is 669.21 |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-2** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with invalid Starting and Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Invalid Starting and Ending City With road connectivity.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start=”1234” | Distance In between 1234 | Distance In between 1234 | Pass |  |
| 2 | Provide invalid Start City | End City=”2568” | And 2568 is 0 | and 2568 |  |  |
| 3 | Provide invalid End City |  |  | By Road Is 0 |  |  |
| 4 | Click on Calculate Distance button |  |  | By Air is 0 |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-3** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with invalid Starting city and valid Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Invalid Starting City and valid Ending City.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start=”1234” | Distance In between 1234 | Distance In between 1234 | Pass |  |
| 2 | Provide invalid Start City | End City=”Indore” | And Indore is 0 | and Indore |  |  |
| 3 | Provide valid End City |  |  | By Road Is 0 |  |  |
| 4 | Click on Calculate Distance button |  |  | By Air is 0 |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-4** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with valid Starting City and invalid Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Valid Starting and Invalid Ending City.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start=”New Delhi” | Distance In between New Delhi | Distance In between New | Pass |  |
| 2 | Provide valid Start City | End City=”2568” | And 2568 is 0 | Delhi and 2568 |  |  |
| 3 | Provide invalid End City |  |  | By Road Is 0 |  |  |
| 4 | Click on Calculate Distance button |  |  | By Air is 0 |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-5** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with valid Starting City and Blank Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Valid Starting and Blank Ending City.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start=” New Delhi” | Exception | Popup Alert Geocoder Error | Pass |  |
| 2 | Provide valid Start City | End City= |  | (ending City): |  |  |
| 3 | Provide blank End City |  |  | ZERO\_RESULTS |  |  |
| 4 | Click on Calculate Distance button |  |  |  |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-6** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with Blank Starting City and Valid Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Blank Starting and Valid Ending City.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start= | Exception | Popup Alert Geocoder Error | Pass |  |
| 2 | Provide blank Start City | End City=”Indore” |  | (Starting City): |  |  |
| 3 | Provide valid End City |  |  | ZERO\_RESULTS |  |  |
| 4 | Click on Calculate Distance button |  |  |  |  |  |
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**Post-conditions:**

Working According to the Expectation.

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| **Project Name: Distance Calculator** | |
| **Test Case-7** | |
| **Test Case ID:** Dist\_001 | **Test Designed by:** Piyush Joshi |
| **Test Priority (Low/Medium/High):** Med | **Test Designed date:** 25/08/2015 |
| **Module Name:** Distance Calculator | **Test Executed by:** Piyush Joshi |
| **Test Title:** Verify Distance with Blank Starting and Ending City | **Test Execution date:** 25/08/2015 |
| **Description:** Test Distance Calculator |  |
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| **Pre-conditions: Blank Starting and Blank Ending City.** | |
| **Dependencies: Google APIs.** | |

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| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
| 1 | Navigate to Maps.html | Start= | Exception | Popup Alert Geocoder Error | Pass |  |
| 2 | Provide blank Start City | End City= |  | (Starting City): |  |  |
| 3 | Provide blank End City |  |  | ZERO\_RESULTS |  |  |
| 4 | Click on Calculate Distance button |  |  | Popup Alert Geocoder Error |  |  |
|  |  |  |  | (ending City): |  |  |
|  |  |  |  | ZERO\_RESULTS |  |  |

**Post-conditions:**

Working According to the Expectation.