| To test the following test cases go to this link: https://google-developers.appspot.com/maps/documentation/utils/geocoder/ to open the service. | | | | | | |
|---|---|---|---|---|---|---|
| **1ST ASSIGNMENT** | | | | | | |
| ID | DESCRIPTION | TEST STEPS | TEST DATA | EXPECTED RESULT | ACTUAL RESULT | PASS / FAIL |
| TC1 | Entering a valid postal address | 1. Click on the search box<br>2. Enter valid postal address<br>3. Click on the button "Geocode" or press "Enter" | Postal address: Antuna Branka Šimića 13, 71000, Sarajevo | Located and marked on the map. Location converted to geographic coordinates. | As expected | PASS |
| TC2 | Entering an invalid postal address | 1. Click on the search box<br>2. Enter invalid postal address<br>3. Click on the button "Geocode" or press "Enter" | Entered invalid address | No results. (ZERO_RESULTS) No error. | As expected | PASS |
| TC3 | Entering valid geographic coordinates | 1. Click on the search box<br>2. Enter valid coordinates<br>3. Click on the button "Geocode" or press "Enter" | Latitude -90 up to 90. Longitude -180 up to 180. | Located and marked on the map, and converted to postal address. | As expected | PASS |
| TC4 | Entering invalid geographic coordinates | 1. Click on the search box<br>2. Enter invalid coordinates<br>3. Click on the button "Geocode" or press "Enter" | Outside: Latitude -90 up to 90 and longitude from -180 up to 180. | No results. (ZERO_RESULTS) No error. | Not as expected. Entered invalid coordinates, data was converted into postal data. As result found only two locations which seems to be impossible. | FAIL |
| TC5a | Entering additional valid information | 1. Click under the search box on "Show options"<br>2. Fill in all the text boxes<br>3. Click on the button "Geocode" or press "Enter" | Enter valid data in all the text boxes | Located and marked on the map. | As expected | PASS |
| TC5b | Entering additional valid information | 1. Click under the search box on "Show options"<br>2. Fill in one of the text boxes<br>3. Click on the button "Geocode" or press "Enter"<br>4. Repeat the test until all fields, one by one, are tested | Enter valid data in text boxes, one by one | Located and marked on the map. | As expected | PASS |
| TC6a | Entering additional invalid information | 1. Click under the search box on "Show options"<br>2. Fill in all the text boxes<br>3. Click on the button "Geocode" or press "Enter" | Enter invalid data in all the text boxes | No results. (ZERO_RESULTS) No error. | As expected | PASS |
| TC6b | Entering additional invalid information | 1. Click under the search box on "Show options"<br>2. Fill in one of the text boxes<br>3. Click on the button "Geocode" or press "Enter"<br>4. Repeat the test until all fields, one by one, are tested | Enter invalid data in text boxes, one by one | Tested for ie. "Administrative area" with just a letter "p". Found only one result which seems to be impossible because there | Not as expected | FAIL |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | should be more partial matches and more results or no results at all. | | |
| TC7 | Changing map view to: Satellite with Labels | 1. Click on "Satellite" box<br>2. Check box "Labels" | / | Map labels are show. | As expected. | PASS |
| TC8 | Changing map view to: Satellite without Labels | 1. Click on "Satellite" box<br>2. Uncheck box "Labels" | / | Map labels are not shown. | As expected. | PASS |
| TC9 | Changing map view to: Map with Terrain | 1. Click on "Map" box<br>2. Check box "Terrain" | / | Map shown with terrain. | As expected | PASS |
| TC10 | Changing map view to: Map without Terrain | 1. Click on "Map" box<br>2. Uncheck box "Terrain" | / | Map shown without terrain. | As expected | PASS |
| TC11 | Changing view to "Full Screen" | 1. Click on "Full Screen" icon | / | View changed to full screen. | As expected | PASS |
| TC12 | Exiting "Full Screen" | 1. Click on "Full Screen" icon | / | View changed to normal screen. | As expected | PASS |
| TC13 | Placing markers on the map | 1. Click on the desired point on the map | / | The place on the map will be marked and results will be coordinates and postal addresses if available. | As expected | PASS |
| TC14 | Placing a "boy" on the map on blue dots | 1. Click on the "boy" and hold<br>2. Drag to the blue spot on the map | / | Entered to panoramic street view. | As expected | PASS |
| TC15 | Zooming in (Map view) | 1. Click on the "+" icon or use the scroll button on the mouse | / | The view will be zoomed in. | As expected | PASS |
| TC16 | Zooming out (Map view) | 1. Click on the "-" icon or use the scroll button on the mouse | / | The view will be zoomed out. | As expected | PASS |
| TC17 | "Walking" on the street – right (Street view) | 1. Click on the right arrow. | / | "Walking" down the street in one direction. | As expected | PASS |
| TC18 | "Walking" on the street – left (Street view) | 1. Click on the left arrow. | / | "Walking" down the street in opposite direction. | As expected | PASS |
| TC19 | Zooming in (Street view) | 1. Click on the "+" icon or use the scroll button on the mouse | / | The view will be zoomed in. | As expected | PASS |
| TC20 | Zooming out (Street view) | 1. Click on the "-" icon or use the scroll button on the mouse | / | The view will be zoomed out. | As expected | PASS |
| TC21 | Rotate the view(Street view) - -90 | 1. Click on the left arrow that is pointing down (Compass) or use your mouse to drag | / | View is being rotated to the left for 90 degrees. | As expected | PASS |
| TC22 | Rotate the view(Street view) - +90 | 1. Click on the right arrow that is pointing down (Compass) or use your mouse to drag | / | View is being rotated to the right for 90 degrees. | As expected | PASS |

| TC23 | Rotate the view(Street view) - Northside | 1. Click on the compass icon | / | View is being rotated to the north. | As expected | PASS |
|---|---|---|---|---|---|---|
| TC24 | Rotating the street view up and down | 1. Drag with mouse up or down | / | View is being rotated up or down | As expected | PASS |
| TC25 | Exiting the street view | 1. Click on the "back" arrow | / | Exiting street view. Map view shown. | As expected | PASS |

## 2ND ASSIGNMENT – SMOKE TEST

| ST1 | Valid web address of the service | 1. Enter https://google-developers.appspot.com /maps/documentation/utils/geocoder/ in browser. <br> 2. Press "Enter" | Geocoding web service opened. No errors. |
|---|---|---|---|
| ST2 | ID TC1 | | |
| ST3 | ID TC3 | | |
| ST4 | ID TC5a | | |

## 3TH ASSIGNMENT – POSITIVE AND NEGATIVE TESTS

| PF1 | ID TC1 | POSITIVE FORWARD TEST |
|---|---|---|
| PR1 | ID TC3 | POSITIVE REVERSE TEST |
| NF1 | ID TC2 | NEGATIVE FORWARD TEST |
| NR1 | ID TC4 | NEGATIVE REVERSE TEST |

## 4TH- ASSIGNMENT – AUTOMATED SMOKE TEST WITH "SELENIUM IDE"

1. Tool used for automation of tests is "Selenium Ide" which you can find and download from http://www.seleniumhq.org/projects/ide/
2. For "Selenium IDE" to work you will need Firefox ver. 54 which you can download from: https://ftp.mozilla.org/pub/firefox/releases/54.0/win32/en-US/
3. Also, you must disable automatic updates for Firefox by going to Firefox Menu / Options/ Advanced/ Update.
4. Also, in search bar of firefox type: about:config and check the settings for these preferences and set them to FALSE by double clicking if any of them are set to true:
   app.update.auto – FALSE
   app.update.enabled – FALSE
   app.update.silent – FALSE
5. After installing "Selenium IDE" Add-on, open it by clicking on the Firefox menu/developer/selenium ide
6. In Selenium IDE click on File Menu/Open/ and select file: Smoke Test.html (which contains script for testing)
7. Set the "speed" of test to the middle (somewhere between Fast and Slow) because then it will work smoothly and will not be too fast. Sometimes if it is too fast it will fail to execute the tests because the first test isn't loaded yet while "Selenium" is running second test.
8. Click➔ Play Current Test Case