| Test searching bike rack from specific poi | | | | |
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| Test address input | | | | |
| # | Test Steps | | Expected Behavior | P/F |
|  | Ensure that the address field is blank. If it’s not, clear the field so that it’s blank.  Press search. | | A dialog box will appear to the user stating that a valid address must be entered. |  |
|  | Input a lot of white spaces inside the address field.  Press search. | | A dialog box will appear to the user stating that a valid address must be entered. |  |
|  | Please input the following values inside the address field:  S a d  Press search. | | The map view will center and zoom in on a marker that has a “P” in it. That marker will appear on some kind of grey patched area of the map. |  |
|  | Input your home address inside the address field.  Press search. | | The map view will center and zoom in on a marker that has a “P” in it. That marker should appear on the location of home address specified. |  |
| Test searching for 1 Bike Rack Location in 100m radius | | | | |
|  | Ensure that this Bike Rack Data is in the datastore:  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 1  Year Installed: Prior 2010  Type in this address:  73 Water Street Vancouver, BC  Ensure that the radius of search is set for 100m.  Press search. | | All existing markers are removed from the map.  2 markers will be displayed on the map:  The marker with a P is our point of interest and it denotes the address we specified.  The marker with a dot indicates the Bike Rack at 134 Abbott Street, Vancouver, BC. |  |
|  | Type in this address:  2311 Cassiar St, Vancouver, BC  Ensure that the radius of search is set for 100m.  Press search. | | All existing markers are removed from the map.  A marker with a “P” will appear on the map at the specified address. |  |
|  | Type in this addres:  55 Water Street, Vancouver, BC  Ensure that the radius of search is set for 100m.  Press search. | | All existing markers are removed from the map.  2 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  The marker with a dot indicates the Bike Rack at 134 Abbott Street, Vancouver, BC. |  |
| Test duplicate Bike Rack Location from 100m radius | | | | |
|  | Ensure that these two bike rack data are stored in the datastore:  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 1  Year Installed: Prior 2010  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks:  Year Installed: 2012  Type in this address:  73 Water Street Vancouver, BC  Ensure that the radius of search is set for 100m.  Press search. | | All existing markers are removed from the map.  2 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  A marker with a dot indicates the Bike Rack at 134 Abbott Street, Vancouver, BC.  Notice how there isn’t a third marker on the map. |  |
| Test Two Bike Rack location from 100m Radius | | | | |
|  | Ensure that these two bike rack data are stored in the datastore:  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 1  Year Installed: Prior 2010  St Number: 216  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 2  Year Installed: Prior 2010  Type in this address:  73 Water Street Vancouver, BC  Ensure that the radius of search is set for 100m.  Press search. | | All existing markers are removed from the map.  3 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  There will be 2 other markers on the map. These 2 markers represent the two different Bike Rack locations. |  |
| Test displaying bike rack location from 500m radius | | | | |
|  | | Ensure that these two bike rack data are stored in the datastore:  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 1  Year Installed: Prior 2010  St Number: 216  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 2  Year Installed: Prior 2010  Type in this address:  73 Water Street Vancouver, BC  Ensure that the radius of search is set for 500m.  Press search. | All existing markers are removed from the map.  3 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  There will be 2 other markers on the map. These 2 markers represent the two different Bike Rack locations. |  |
|  | | Type in this address:  88 W Pender St Vancouver, BC  Ensure that the radius of search is set for 500m.  Press search. | All existing markers are removed from the map.  3 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  There will be 2 other markers on the map. These 2 markers represent the two different Bike Rack locations. |  |
|  | | Type in this address:  80 Keffer Pl Vancouver, BC  Ensure that the radius of search is set for 500m.  Press search. | All existing markers are removed from the map.  Only 2 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  The marker at 216 Abbott Street is displayed also.  The marker at 134 Abbott Street is not displayed because it exceeds the 500m radius.  Using the website below, you can check that this expected behavior is indeed true:  http://www.mapdevelopers.com/distance\_from\_to.php |  |
|  | | Type in this address:  2311 Cassiar St, Vancouver, BC  Ensure that the radius of search is set for 500m.  Press search. | All existing markers are removed from the map.  A marker with a “P” will appear on the map at the specified address.  The other markers aren’t shown as they exceed the 500m radius.  Using the website below, you can check that this expected behavior is indeed true:  http://www.mapdevelopers.com/distance\_from\_to.php |  |
| Test displaying bike rack location from 1000m (1 km ) radius | | | | |
|  | | Ensure that these two bike rack data are stored in the datastore:  St Number: 134  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 1  Year Installed: Prior 2010  St Number: 216  St Name: Abbott St.  Street Side: East  Skytrain Station: N/A  BIA: GT  # of racks: 2  Year Installed: Prior 2010 | No critical/ observable behavior is noted. |  |
|  | | Type in this address:  917 Main Street Vancouver, BC  Ensure that the search radius is set to 1km.  Press Search. | All existing markers are removed from the map.  3 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  There will be 2 other markers on the map. These 2 markers represent the two different Bike Rack locations. They are displayed because they are within a 1km radius of the specified address. |  |
|  | | Type in this address:  1188 Quebec Street Vancouver, BC  Ensure that the search radius is set to 1km.  Press Search. | All existing markers are removed from the map.  Only 1 marker will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  The other two markers are not displayed because they are not within a 1km radius of the specified address. |  |
|  | | Type in this address:  1003 Main Street Vancouver, BC  Ensure that the search radius is set to 1km.  Press Search. | All existing markers are removed from the map.  Only 2 markers will be displayed on the map:  A marker with a “P” will appear on the map at the specified address.  A marker at 216 Abbot Street will also be displayed on the map.  The other marker at 134 Abbott Street is not displayed because it is not within a 1km radius of the specified address. |  |