| Test operations for favorite bike racks | | | | |
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| Test tables are visible | | | | |
| # | Test Steps | | Expected Behavior | P/F |
|  | Using a browser of your choice, go to this URL:  <http://1-dot-xwe7778.appspot.com/>  Log in using one of the 2 Gmail accounts. | | On successful login, to the left half of the screen, there is a tab-like widget that contains two tabs:  The first tab contains the table that displays all visible bike rack locations on the map.  The second tab contains a table that will display all favorite bike racks locations marked by the user. |  |
| Test add operations | | | | |
|  | Ensure that you are on the tab that displays all the currently visible bike rack locations on the map.  Mark one of the bike rack location as a favorite by clicking on the “Yes” button.  Then click on the tab that displays the table containing the user’s favorite bike rack location. | | The selected bike rack location is added successfully to that user’s list of favorite bike rack locations.  If you compare the data in each column between the two tables, you will see that the correct bike rack location is being displayed in the favorite bike rack table. |  |
|  | Ensure that you are on the tab that displays all the currently visible bike rack locations on the map.  Locate that bike rack location that was marked as a favorite from the previous step.  Press the “Yes” button to mark that bike rack location as a favorite again. | | The selected bike rack location was not added successfully to that user’s list of favorite bike rack locations.  A Chrome modal dialog box will pop up with the following message:  Bike rack not marked as favorite: This bike rack has already been marked as favorite.  If you go to the tab that displays the favorite bike rack locations in a table, you will not see two duplicate rows. |  |
|  | Ensure that you are on the tab that displays all the currently visible bike rack locations on the map.  Select three different bike rack locations in that table, and mark each of them as a favorite by clicking on the “Yes” button. | | Each selected bike rack location is added successfully to that user’s list of favorite bike rack locations.  If you click on the tab that display all the user’s favorite bike rack location, you will see that there are 3 new rows added to that table.  These 3 new rows pertain to the 3 bike rack locations you have marked as a favorite. |  |
| Test get list of favorite bike rack operation | | | | |
|  | Sign out of the web application.  Then sign in again using your other valid Gmail account.  Once successfully signed in, go to the tab that displays all favorite bike rack locations. | | The table should be empty (as stated by the pre-conditions).  None of the bike rack locations that were marked as favorite in the previous logged in account should be displayed in this table. |  |
|  | Logout of the application.  Log back into the web application using the first account you used to login the first time.  Once successfully signed in, go to the tab that displays all favorite bike rack locations. | | The table will display all the bike rack locations that were marked as favorites. This means that there should be 4 rows of unique bike rack location. |  |
| Test displaying all favorite bike rack locations on the map | | | | |
|  | Click on the checkbox that correspond to:  Toggle to display favorite markers on map | | If there were any existing marker overlays on the Google map, it will be cleared.  For each row in the favorite bike rack table, there will be a balloon marker with an “F” on it on the Google map view.  Note that some bike rack locations are considered invalid during the parsing process and hence, the marker that corresponds to that row may not be displayed on the map. |  |
|  | Untick the checkbox. | | All overlays are removed from the map.  In the future, the implementation of this event may be modified. |  |
| Test remove operation | | | | |
|  | | Ensure that you are on the tab that displays all the favorite bike rack locations.  Un-favorite a bike rack location on that table by pressing “Yes”. | The selected favorite bike rack location is removed from the table and is not visible anymore. |  |
|  | | For each favorite bike rack location, un-favorite it. | Each selected favorite bike rack location is removed from the table.  The end result is: an empty table. |  |
|  | | Sign out, then sign back in with the same account and go to the tab that displays all the favorite bike rack locations in a table. | The table should be empty.  This confirms that each favorite bike rack locations has been removed from the user’s list of favorite bike rack locations. |  |
| Test paging control | | | | |
|  | | Ensure that you are on the tab that displays all the official bike rack locations in the city of Vancouver.  Select 15 of those bike rack locations to be marked as favorite.  Go to the tab that displays all the favorite bike rack locations. | You will see that only 10 results can be displayed per page. |  |