**Feature 1: Add Data**

Users will be able to log data into our database using a form. However, every section in the form must be filled out before they can submit.

The test case “Add Data Missing Criteria” tests if there is an alert prompting the user to finish filling out the form if they’ve left something empty but tried to submit the data. There are tests for every individual section on the form to make sure users can’t leave anything empty. This is tested by filling out every section on the form except one, and also by leaving multiple sections empty. In either case, there should be an alert.

The test case “Add Data Success” tests if there is an alert when the data is submitted successfully. This means that every section of the form was filled out and the data was sent to our database successfully. This is tested by filling out every section in the form and pressing submit.

**Feature 2: View Personal History**

Users will be able to view all of the data that they’ve personally submitted.

The case “View Personal History” tests if our Personal History page displays the data that the user has submitted by using asserts to see if the table is displayed. This is tested by clicking the “Personal History” tab.

**Feature 3: Search by Location**

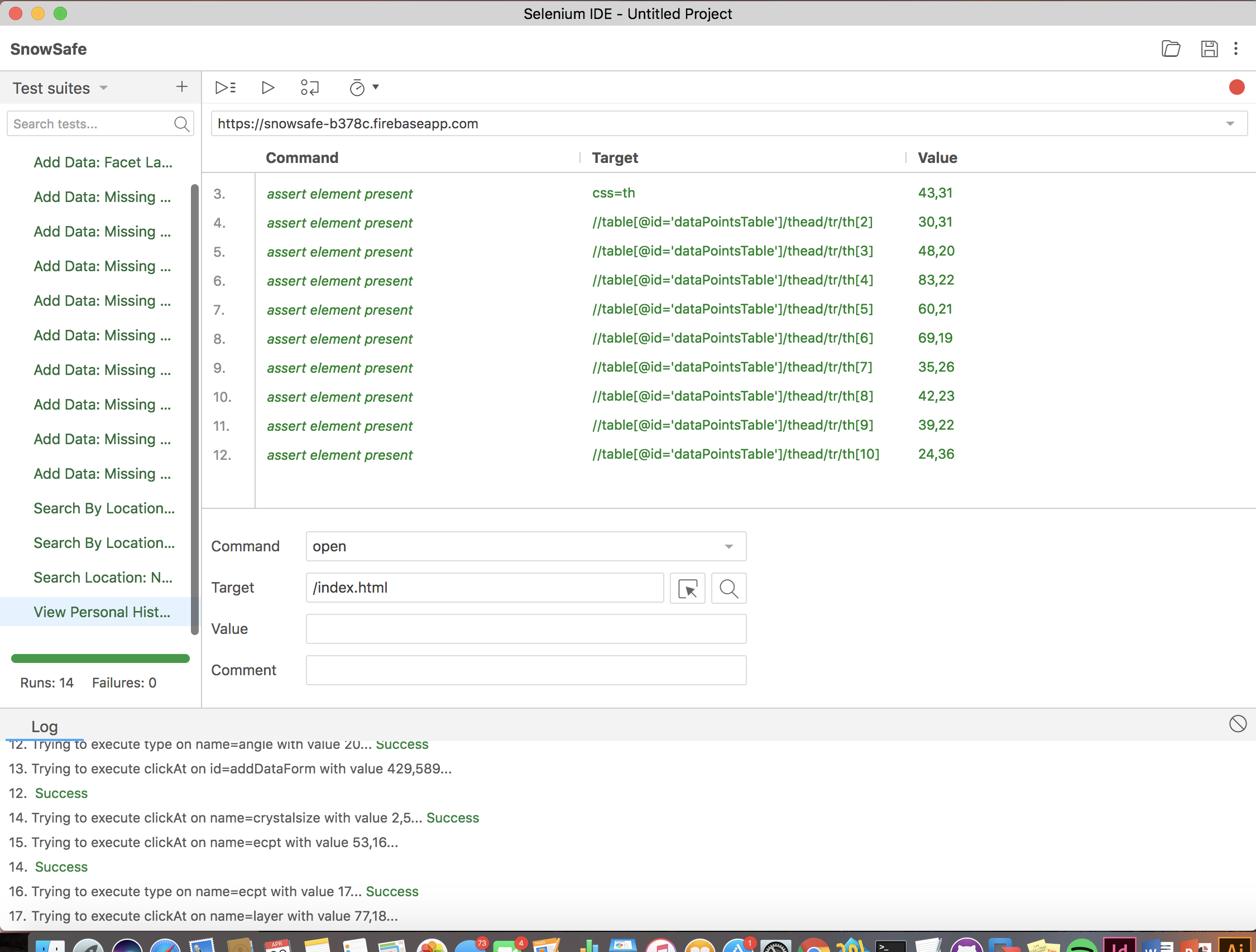
Users will be able to search the database for a specific location and see all of the data submitted for that location. If no location is specified, it will display all the data.

The test case “Search By Location Blank” tests if there’s an alert saying that no location was specified. Then it asserts that there should be a table displayed afterwards. This is tested by leaving the location field empty on the “Search by Location” page and just pressing submit.

The case “Search By Location Success” tests if the table displays the data for the specified location. It tests this by using an “assert element present” and checks if the location(s) displayed in the table match the input. This is tested by inputting a valid location on the “Search by Location” page.

Another test case tests what happens if the user enters a location but there’s no data in the table for it. It tests for an alert which says “No data for that location was found. Displaying all data points instead.” It also asserts that there should be a table displayed afterwards. This is tested by inputting an invalid location on the “Search by Location” page.

**Output showing the results of the automated test cases running:**

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