

**Title:** SnowSafe

**Team:** team3bestTeam

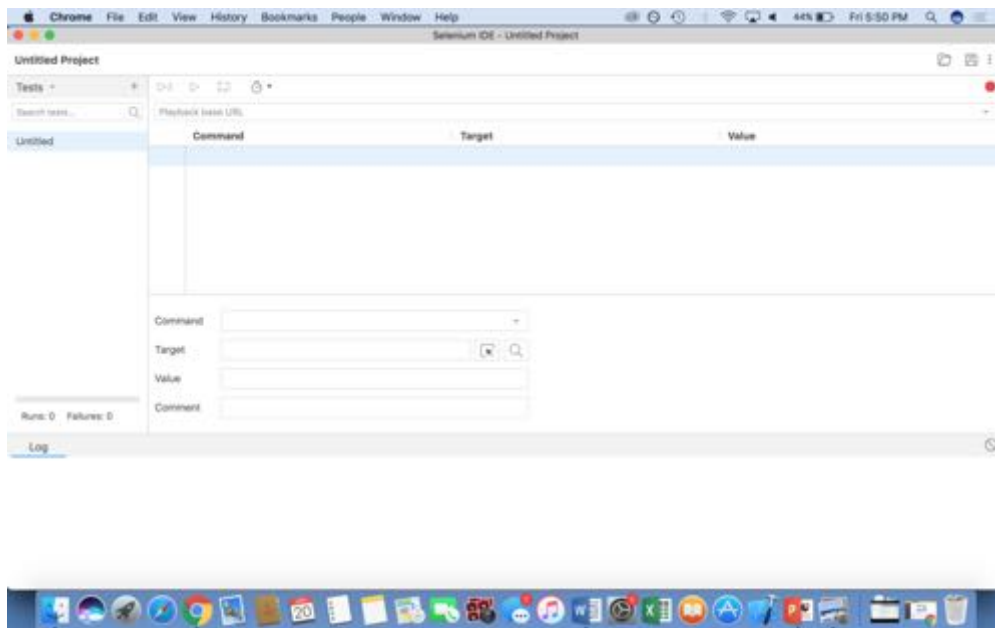
**Team Members:** Oliver Larsson, Vy Le, Tristan Neate, Spencer Holm

### Automated Test Cases

For our automated testing, we used a Chrome plug-in extension called Selenium IDE, by Selenium HQ. Here's their website: <https://www.seleniumhq.org/>  
Once added to chrome, Selenium IDE functions as follows:

#### Set Up:

Upon opening the extension, you'll see a screen that looks like this.



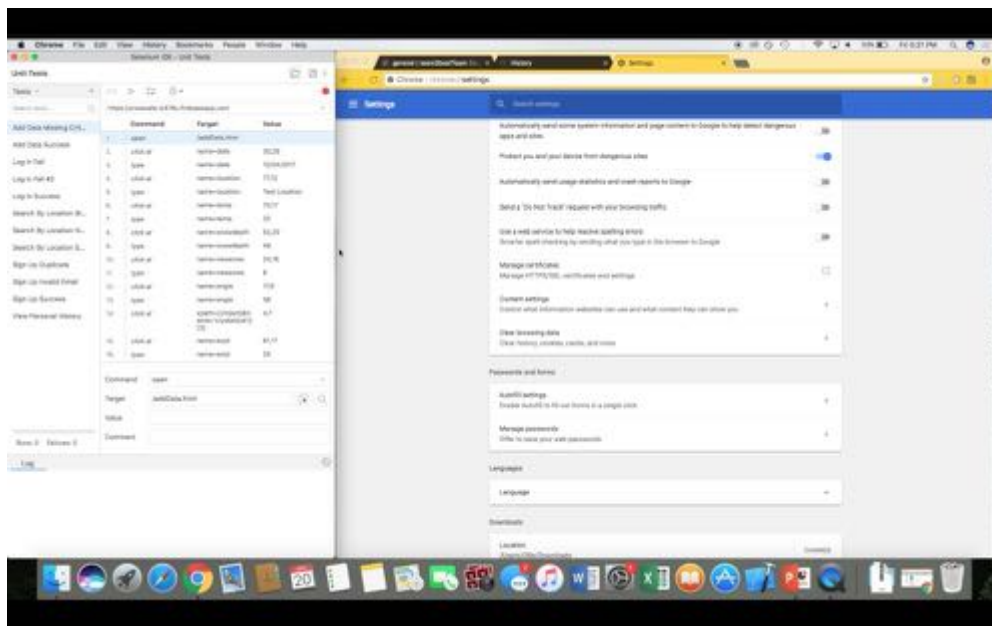
To begin creating a test script:

1. Create a new test.
2. Press red "record" button in upper-right corner of screen.
3. Navigate the web browser as you want the test to replicate.

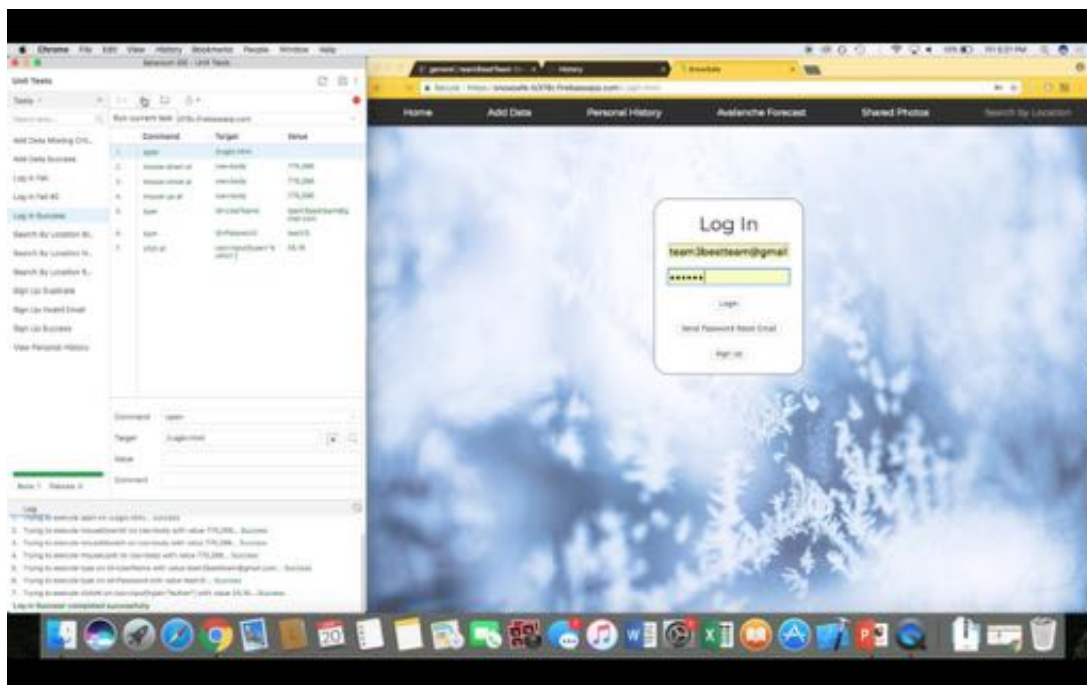
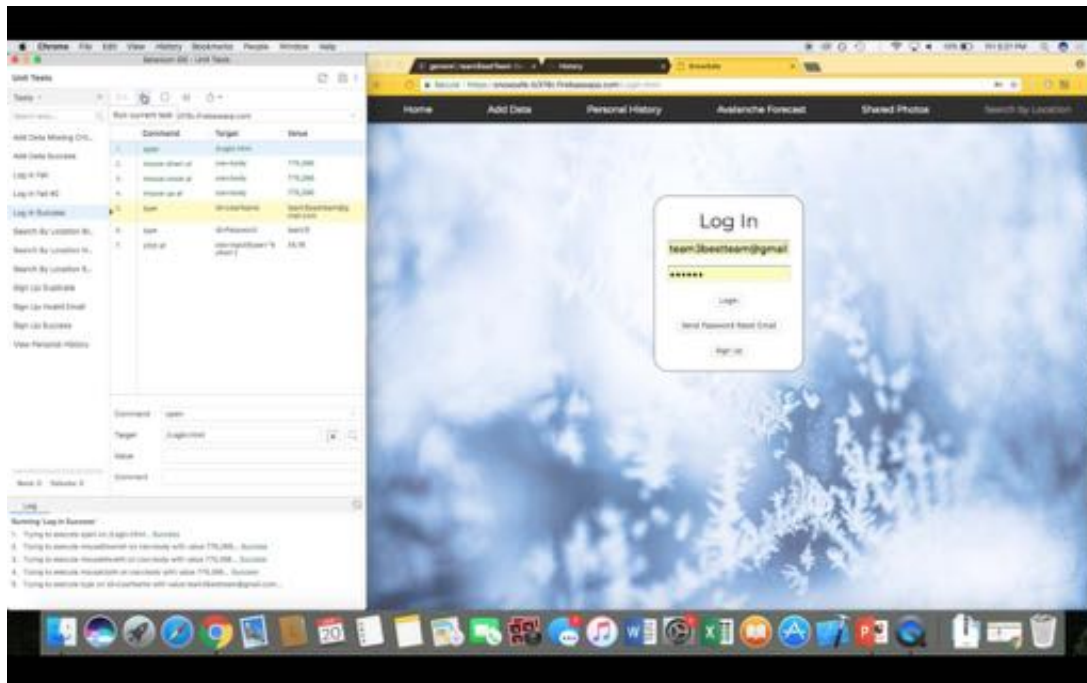
As you navigate the browser, Selenium continuously updates the test "Commands", "Targets", and "Values". You'll see these outputs further down in the document. These are all translated into executable scripts, which you can later run to test the site.

#### Running Tests:

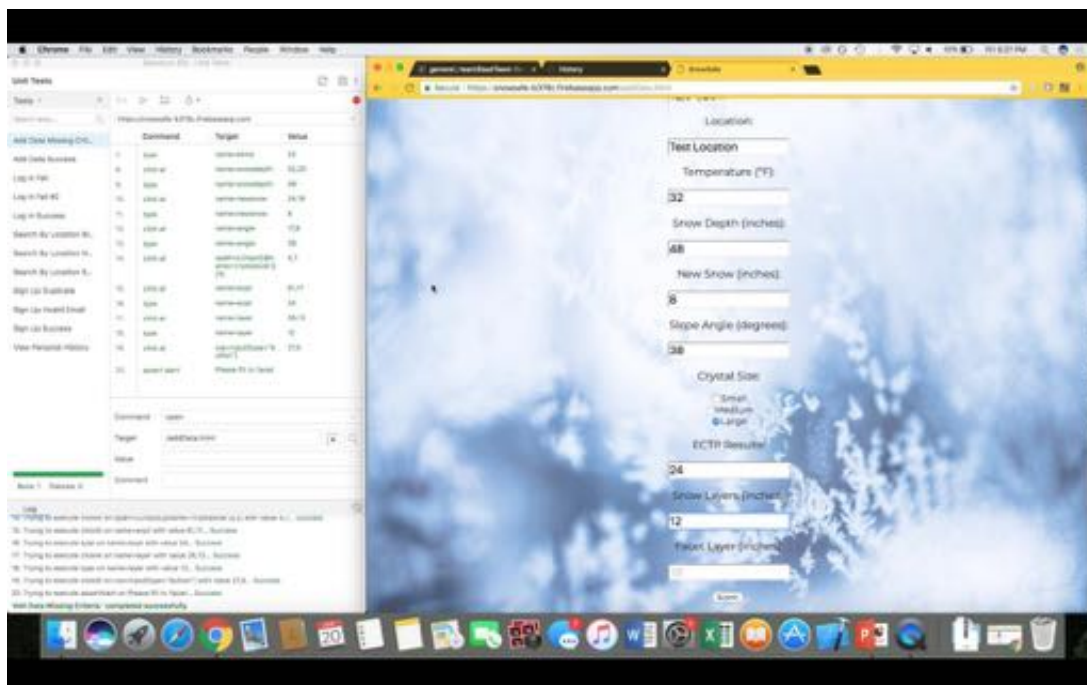
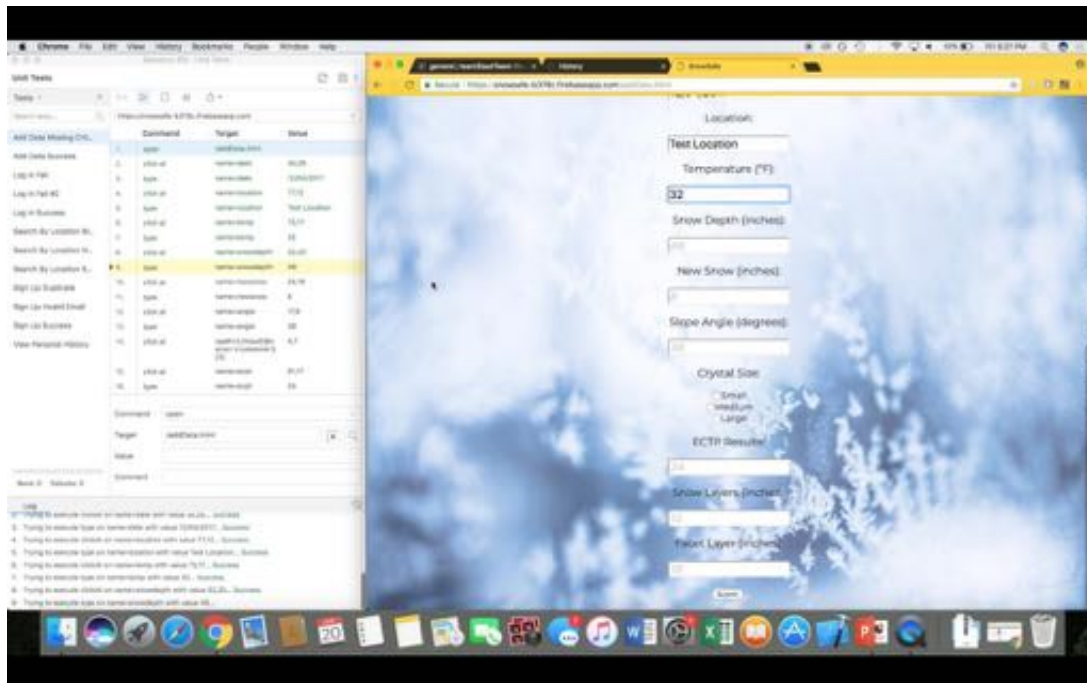
To run a test, open the Selenium IDE extension and select the file containing all test cases previously recorded. The updated screen, alongside the browser, will look like this.



“Log In Success”

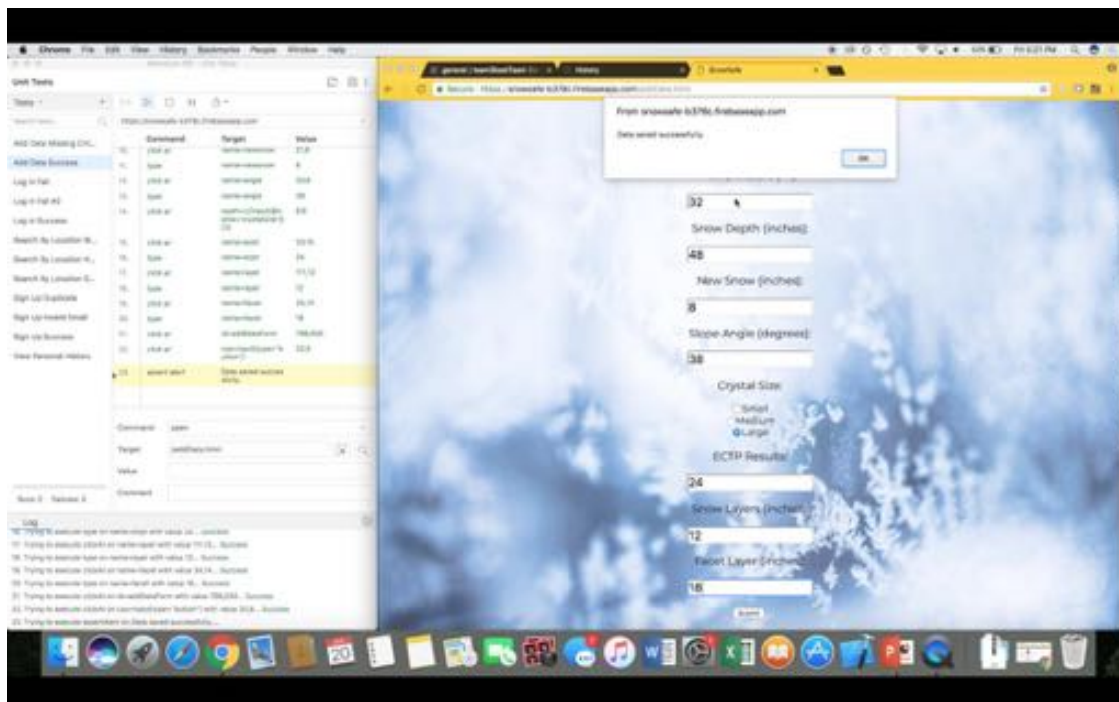
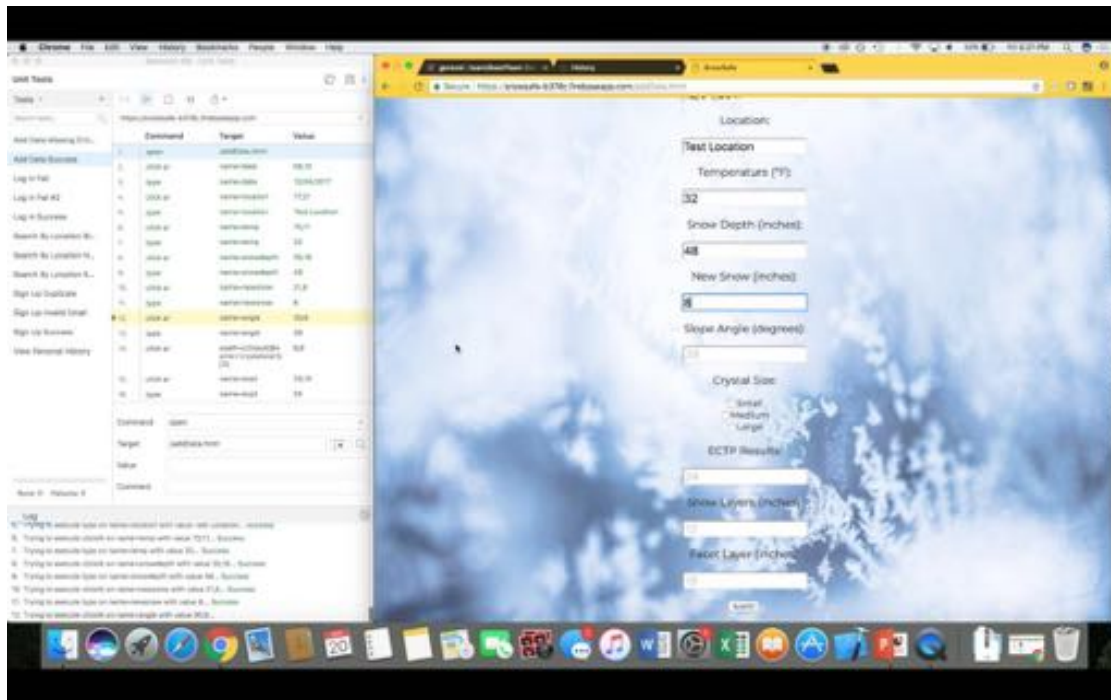


### “Add Data Missing Criteria”





“Add Data Success”



## “Search By Location Blank”

The screenshot shows the SnowScape application interface. On the left is a sidebar with navigation options like 'Add Data', 'Personal History', 'Avalanche Forecast', 'Shared Photos', and 'Search by Location'. The main window has a header with these same options and a search bar. Below the search bar, the text 'Search by location (leave blank to see all data):' is displayed. The search results table is empty, showing only the column headers: User, Date, Location, Temperature (°F), Snow Depth (inches), New Snow (inches), Slope Angle (degrees), Crystal Size, ECTP Results, Snow Layers (inches), and Facet Layer. The background of the main window is a blue, snowy texture.

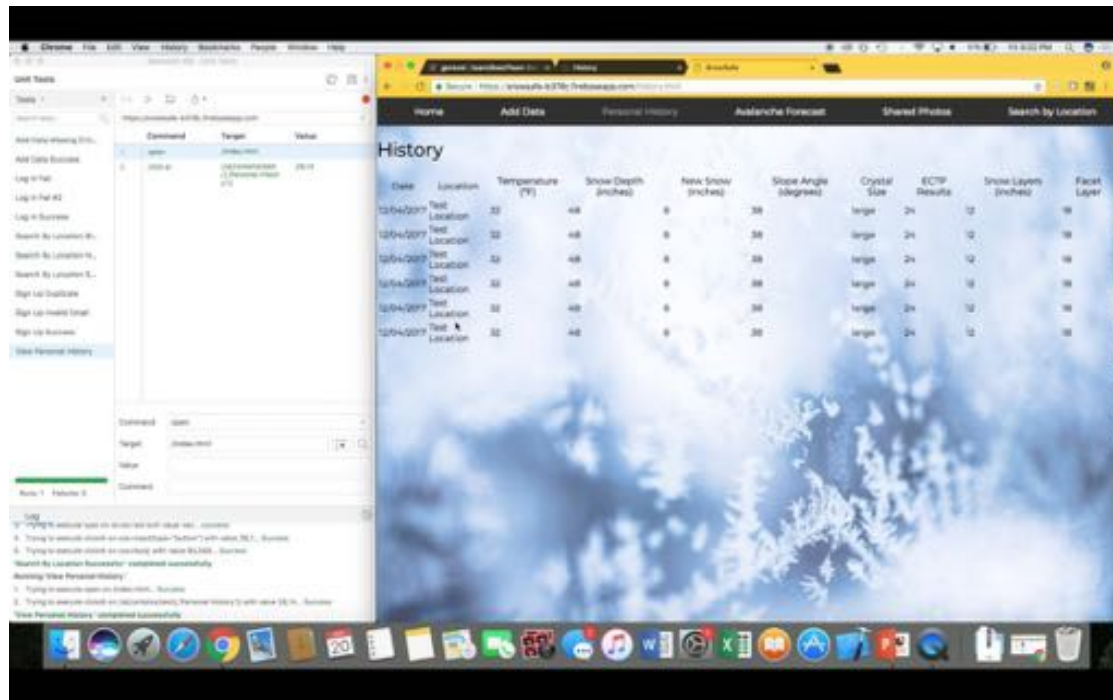
## “Search By Location Success”

The screenshot shows the SnowScape application interface with a successful search result. The search bar now contains the text 'Vail'. The search results table displays one entry:

User	Date	Location	Temperature (°F)	Snow Depth (inches)	New Snow (inches)	Slope Angle (degrees)	Crystal Size	ECTP Results	Snow Layers (inches)	Facet Layer
Tristan	12/04/2018	Vail	32	14	28	38	large	24	12	18

The background of the main window remains the same blue, snowy texture.

“View Personal History”



## User Acceptance Test Plans