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**SQA**

**Assignment 2**

**The objective of this task is to demonstrate API testing using Selenium for Python.**

**Configuration**

* selenium installed using the command pip install selenium
* selenium wire an extension on selenium which enables us to catch browser API requests pip install selenium-wire
* webdriver\_manager a dependency which automatcially installs the browser driver in our case the Chrome web driver at runtime pip install webdriver\_manager.

**Test Cases for Basic Functionality**

* get opens an instance of the provided URL (in this case 'google.com')
* find\_element finds the search box by class\_name
* send\_keys puts the string to be searched (in this case 'selenium') in the search box
* submit sends the query back to the server which displays the result in the chromedriver instance we opened previously
* find\_elements finds the first few search results and gets their urls and displays them to the console
* close closes the chromedriver instance that carried all of these tasks out
* assertNotIn tests whether the the search yielded any results or not