Lab 4 – Hands-On Testing

To: Professor Mike Boctor
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Selenium Testing

Selenium was selected for tests involving our web application's user interface.

Selenium provides the ability to simulate a user's input in a programmatic fashion. It allows for repeatable tests to be executed in a batch-style mode, and at high rates of speed if desired.

The Selenium IDE also provides the ability to define custom commands, providing further capabilities such as accessing status messages from the server that would otherwise be hidden.
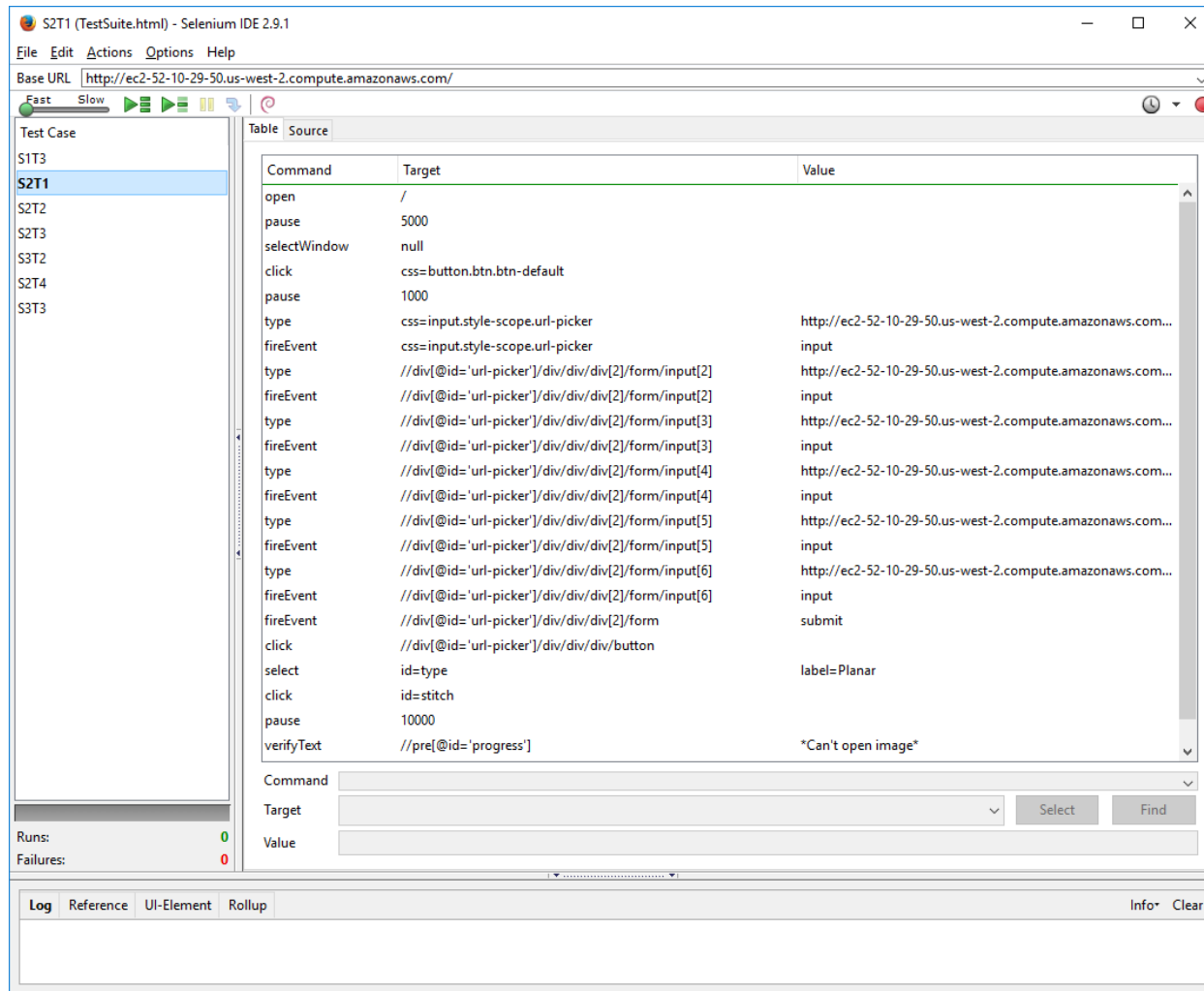

Figure 1 - Selenium Screenshot

PostMan

PostMan was selected for testing back-end API functionality.

PostMan allows test cases to be developed for exercising server API calls with various inputs and expected outputs. These tests can then be ran through the Collection Runner and an aggregate total of passes is shown.
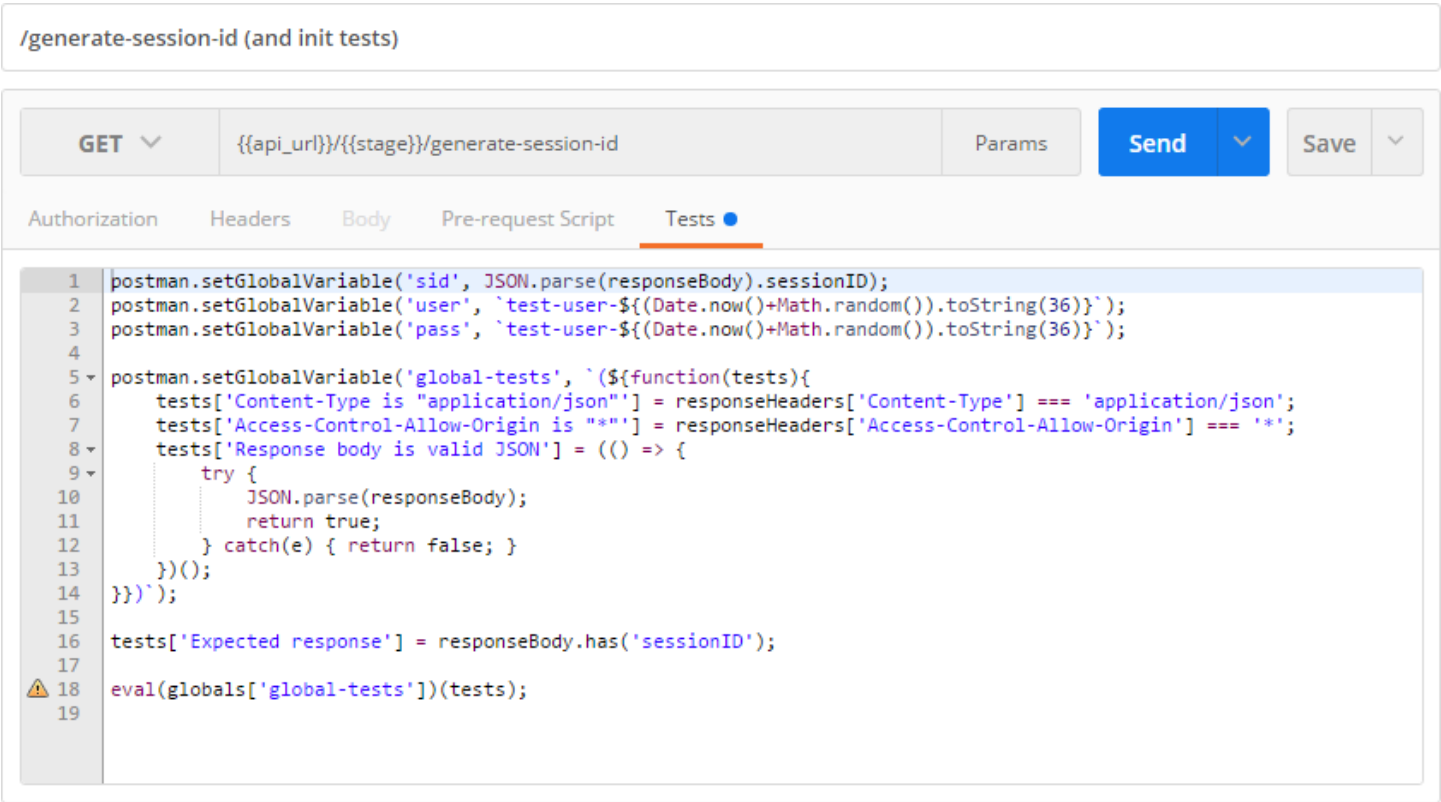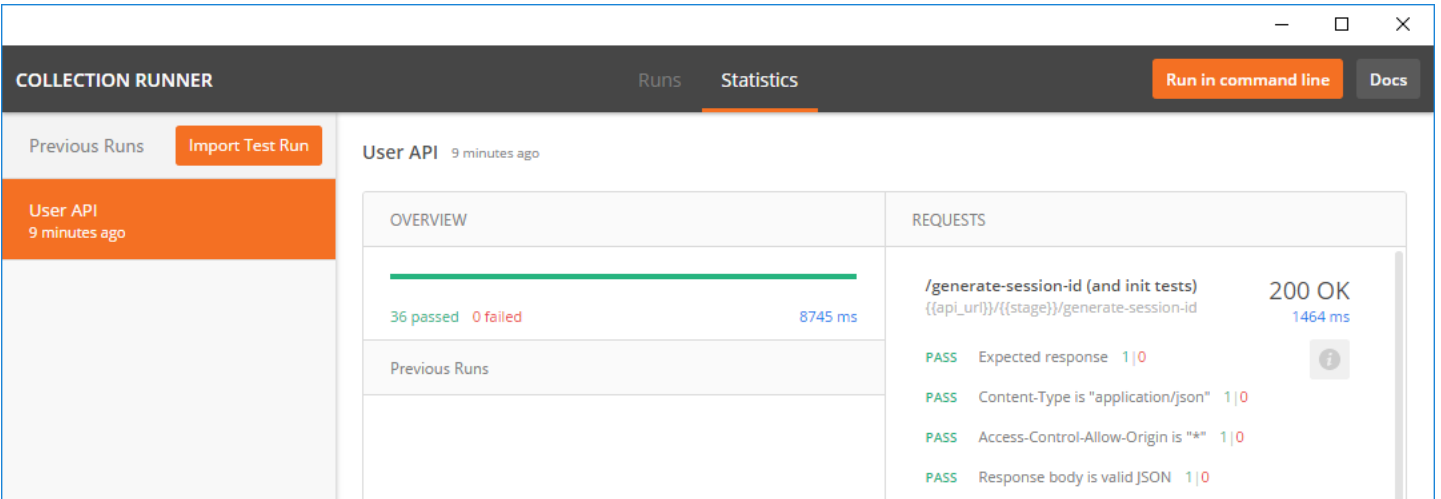

Figure 2 - PostMan Test Case Setup Screenshot

Figure 3 - PostMan Collection Runner Screenshot