Test Plan Document: Rocket Jump Ninja Search Engine Automation Test

Website: Rocket Jump Ninja

API Endpoint: <https://www.rocketjumpninja.com/api/search/mice>

Programming Language: Python

**Test Scenarios**

test\_width()

iterates through a list of parameter sets, each representing a different test case with different width and leniency values. Test will print the acutal and also the min and max for each mice   
Test Cases:

set width 9 leniency set to 0

set width 11 leniency set to 1

set width 12 leniency set to 4

params = [  
 (**'CLAW'**, 0, **'false'**, **'false'**, **'both'**, 9, 20, 5, **'set width 9 leniency set to 0'**),  
 (**'CLAW'**, 1, **'false'**, **'false'**, **'both'**, 11, 20, 5, **'set width 11 leniency set to '**),  
 (**'CLAW'**, 4, **'false'**, **'false'**, **'both'**, 12, 20, 5, **'set width 12 leniency set to'**),

excpcted: all serach results to be printed, and all width values are in range

**falls within the specified boundaries**

**falls outside the specified boundaries**

**no issues found**

test\_ length()

Each test case evaluates the behavior of the system under different conditions of length leniency, ensuring that the mouse length is within the set bounds.  
  
params = [  
 (**'CLAW'**, 0, **'false'**, **'false'**, **'both'**, 9, 20, 5, **'set length 20 leniency set to 0'**),  
 (**'CLAW'**, 1, **'false'**, **'false'**, **'both'**, 9, 19, 5, **'set length 19 leniency set to 1'**),  
 (**'CLAW'**, 4, **'false'**, **'false'**, **'both'**, 9, 18, 5, **'set length 18 leniency set to 4'**),

Test Cases:

set length 20 leniency set to 0'

set length 19 leniency set to 1'

set length 18 leniency set to 4'  
excpcted: all serach results to be printed, and all width values are in range   
 **falls within the specified boundaries**

**falls outside the specified boundaries**

**no issues found**