Bug Report 1

Title: isValidQuery() function in URLValidator is returning the opposite results

Date: 05/26/16

Reported By: Joseph Cuellar Email: cuellarj@oregonstate.edu

Project: URLValidator Version: Validator 1.4

Error Type: Bug Priority: Major

File name: UrlValidator.java

Description: The isValidQuery() function which pattern matches the query segment of a URL input using regular expressions, returns the opposite result. This is caused by a NOT (!) operation in the return value.

Code line 446 reads:

**!return** ***QUERY\_PATTERN***.matcher(query).matches();

Corrected:

**return** ***QUERY\_PATTERN***.matcher(query).matches();

Bug Report 2

Title: The regular expression for ports returns false on ports with 4 or 5 digits when it should return true

Date: 05/26/16

Reported By: Joseph Cuellar Email: cuellarj@oregonstate.edu

Project: URLValidator Version: Validator 1.4

Error Type: Bug Priority: Major

File name: UrlValidator.java

Description: The isValid() method incorrectly determines that URLs with port lengths of 4 or 5 digits are invalid. This was found using partition and unit testing, with the result of testing shown below. After correction of the bug, the function returned the correct value for port lengths of 4 or 5 digits.

Testing port google.com:80000

Result: false

Code line 446 reads:

**private static final String PORT\_REGEX = "^:(\\d{1,3})$";**

Corrected:

**private static final String PORT\_REGEX = "^:(\\d{1,5})$";**