SRXTester Documentation

Last Updated: Feb 18, 2014

This document is a companion to the SRXTester application written to demonstrate the SRX segmentation capabilities of the Okapi Java library. The project has been modified to include both a GUI option and a command line option

Availability

The project can be downloaded from GitHub at the following repository: https://github.com/marccarmen/SRXTester

Requirements

There are two requirements for this project.

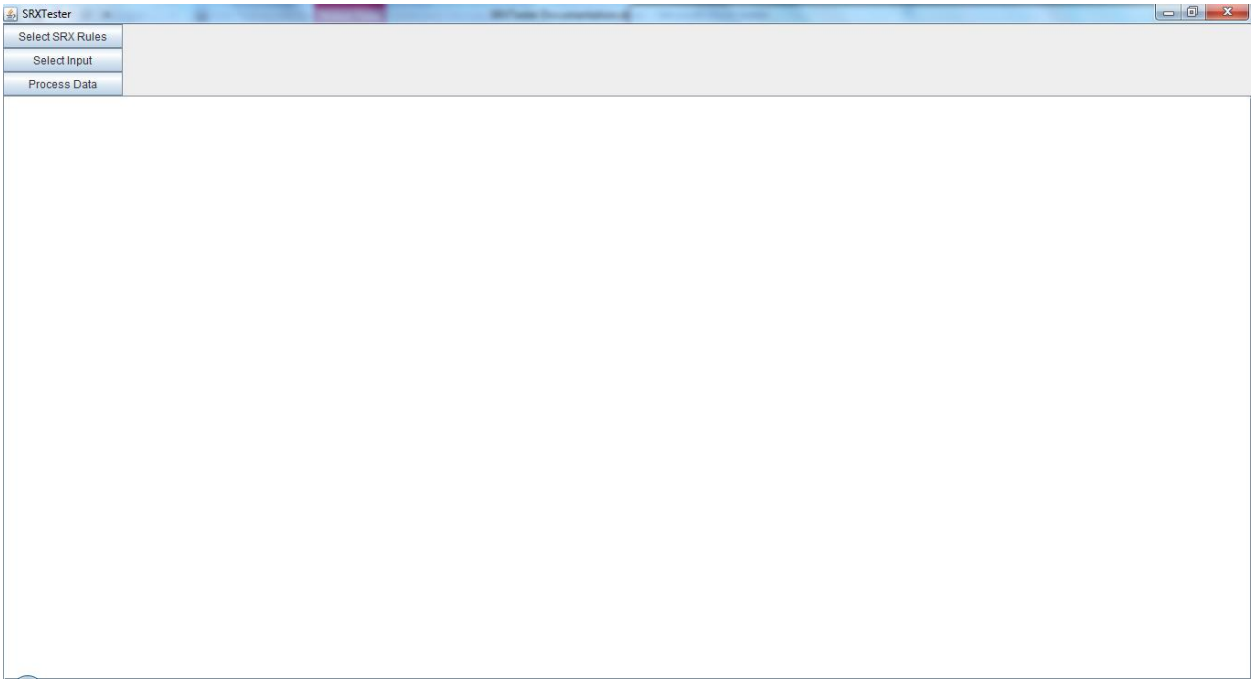
1. Java Runtime Environment 1.7 or later
2. Okapi Library – Can be downloaded from here http://okapi.opentag.com/

Application Walkthrough

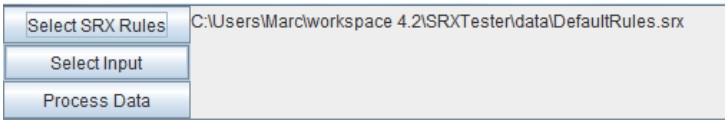
GUI Walkthrough

Step-by-step instructions for the GUI are provided below.

1. Go to the directory where you have the project stored
2. Double-click the SRXTester.bat file
    a. bat files only work on windows so if you are on a different OS then just run the command **java -jar SRXTester.jar**
3. This will open the SRXTester application that looks like the image below.



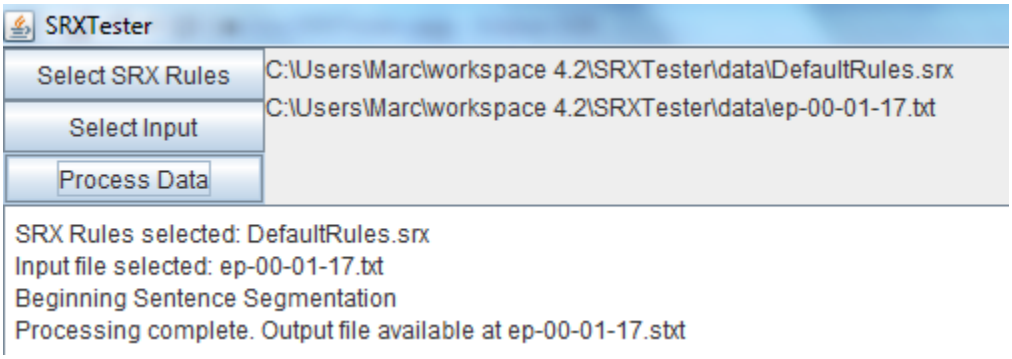
4. Click the “Select SRX Rules” button to open a dialog where you can select the SRX file that you want to use for segmentation



5. Click the “Select Input” button to open a dialog where you can select the text file you want to segment

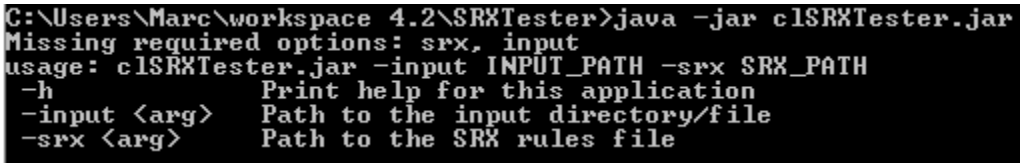
6. Click the Process Data button to have the program read in the input file and segment each line using the selected SRX file and writing out the result.

As you perform each step, you will notice that log messages are written to the text area that takes up most of the programs interface.

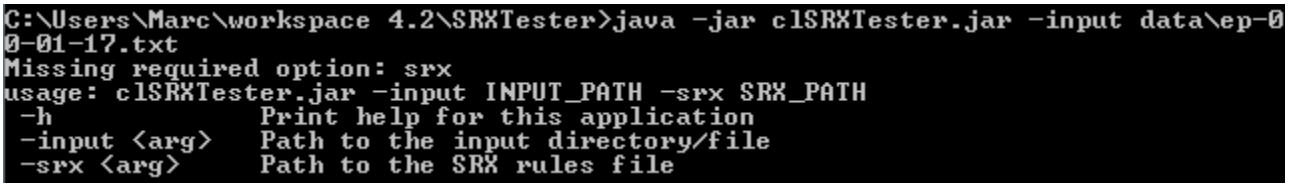


Command Line Walkthrough

Step-by-step instructions for using the command line interface are below. The basic command line format is in the image below



1. Begin by going to your command line
    a. Windows – Click the start menu button and click run. Type cmd into the prompt
    b. Mac – Open the Terminal application
2. Go to the directory where you have downloaded the project to
3. Enter the command using the format specified above. A sample command is in the image below



4. If you enter the command incorrectly you will get an error message as demonstrated in the image below

```
C:\Users\Marc\workspace 4.2\SRXTester>java -jar clSRXTester.jar -input data\ep-0
0-01-17.txt -srx data\DefaultRules.srx
Feb 18, 2014 3:45:47 AM com.day2daydevelopment.SRX.SRXHelper loadSRXRules
INFO: Being loadSRXRules with arguments [srxFilePath: C:\Users\Marc\workspace 4.
2\SRXTester\data\DefaultRules.srx; locale: en]
Processing complete. Output file available at ep-00-01-17.stxt
```

5. Once the processing is complete the result will be written to the same location as the original input file but with the extension .stxt

SRX Details

More details on SRX can be found on the Okapi website http://www.opentag.com/okapi/wiki/index.php?title=SRX Okapi also includes a component named Ratel which is an SRX editor. Patel is included in the full Okapi download in the libs folder of this project or you can use it online http://ratel.okapi-webapps.cloudbees.net/ui-fs

Change Log

- December 22, 2013
  - Initial release
- February 8 , 2014
  - Updated code to support reading and writing UTF8 files
- February 18, 2014
  - Refactored SRX segmentation into helper class
  - The GUI and command line options now require a .txt file
  - Removed the option to include an output file. Instead the output file is the same file path with the extension .stxt
  - Added new class to support segmentation through command line