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LAB 1

Inside the submission, I have submitted a zip that contains these following files

- A compiled version of my program

- My zip folder that contains the original source code, pom file for Maven (This can be imported into an IDE to run. I used IntelliJ)

- An org folder that contains the Jsoup library

- a META-INF folder that contains the meta info for the Jsoup library

Instructions to run

Within the place where you extract the items, using the terminal and run

java WebCrawler http://faculty.washington.edu/dimpsey/ 5

where the URL and number of hops are separated by space

It will print to the terminal the location of the last hop and also the HTML

P.S: Require Java 8 or Java 9. Remember to be in the same directory as well

```
thuan@thuan-GX63VR-7RF:~/CSS-490-Cloud-Computing/Lab 1/classes/artifacts/CSS_490_Cloud_Computing_jar$ java WebCrawler https://faculty.washington.edu/dimpsey/ 10
https://faculty.washington.edu/dimpsey/
https://faculty.washington.edu/dimpsey/#content
https://faculty.washington.edu/dimpsey/about/
https://faculty.washington.edu/dimpsey/about/#content
https://faculty.washington.edu/dimpsey/software-shipped/
https://faculty.washington.edu/dimpsey/software-shipped/#content
https://faculty.washington.edu/dimpsey/home-2/education/
https://faculty.washington.edu/dimpsey/home-2/education/#content
https://faculty.washington.edu/dimpsey/home-2/papers/
https://faculty.washington.edu/dimpsey/home-2/papers/#content
Final URL that was landed on: https://faculty.washington.edu/dimpsey/home-2/patents/
HTML document of the page that was landed on:
<!doctype html>
<html lang="en-US">
 <head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Patents - </title>
  <link rel="profile" href="http://gmpg.org/xfn/11">
  <link rel="pingback" href="https://faculty.washington.edu/dimpsey/wordpress/xmlrpc.php">
  <title>Patents - Robert Dimpsey</title>
  <link rel="dns-prefetch" href="//fonts.googleapis.com">
  <link rel="dns-prefetch" href="//s.w.org">
  <link rel="alternate" type="application/rss+xml" title="Robert Dimpsey » Feed" href="https://faculty.washington.edu/dimpsey/feed/">
  <link rel="alternate" type="application/rss+xml" title="Robert Dimpsey » Comments Feed" href="https://faculty.washington.edu/dimpsey/comments/feed/">
  <script type="text/javascript">
                    window._wpemojiSettings = {"baseUrl":"https:\/\/s.w.org\/images\/core\/emoji\/2.2.1\/72x72\/","ext":".png","svgUrl":"https:\/\/s.w.org\/images\
/core\/emoji\/2.2.1\/svg\/","svgExt":".svg","source":{"concatemoji":"https:\/\/faculty.washington.edu\/dimpsey\/wordpress\/wp-includes\/js\/wp-emoji-release.min.js?ver
=4.7.9"}};
                    !function(a,b,c){function d(a){var b,c,d,e,f=String.fromCharCode;if(!k||!k.fillText)return!1;switch(k.clearRect(0,0,j.width,j.height),k.textBas
eline="top",k.font="600 32px Arial",a){case"flag":return k.fillText(f(55356,56826,55356,56819),0,0),!(j.toDataURL().length<3e3)&&(k.clearRect(0,0,j.width,j.height),k.f
illText(f(55356,57331,65039,8205,55356,57096),0,0),b=j.toDataURL(),k.clearRect(0,0,j.width,j.height),k.fillText(f(55356,57331,55356,57096),0,0),c=j.toDataURL(),b!==c);
case"emoji4":return k.fillText(f(55357,56425,55356,57341,8205,55357,56507),0,0),d=j.toDataURL(),k.clearRect(0,0,j.width,j.height),k.fillText(f(55357,56425,55356,57341,
55357,56507),0,0),e=j.toDataURL(),d!==e}return!1}function e(a){var c=b.createElement("script");c.src=a,c.defer=c.type="text/javascript",b.getElementsByTagName("head")[
0].appendChild(c)}var f,g,h,i,j=b.createElement("canvas"),k=j.getContext&&j.getContext("2d");for(i=Array("flag","emoji4"),c.supports={everything:!0,everythingExceptFla
g:!0},h=0;h<i.length;h++)c.supports[i[h]]=d(i[h]),c.supports.everything=c.supports.everything&&c.supports[i[h]],"flag"!==i[h]&&(c.supports.everythingExceptFlag=c.suppo
rts.everythingExceptFlag&&c.supports[i[h]]);c.supports.everythingExceptFlag=c.supports.everythingExceptFlag&&!c.supports.flag,c.DOMReady=!1,c.readyCallback=function(){
c.DOMReady=!0},c.supports.everything||(g=function(){c.readyCallback()},b.addEventListener?(b.addEventListener("DOMContentLoaded",g,!1),a.addEventListener("load",g,!1))
:(a.attachEvent("onload",g),b.attachEvent("onreadystatechange",function(){"complete"===b.readyState&&c.readyCallback()})),f=c.source||{},f.concatemoji?e(f.concatemoji)
:f.wpemoji&&f.twemoji&&(e(f.twemoji),e(f.wpemoji)))}(window,document,window._wpemojiSettings);
                </script>
  <style type="text/css">
img.wp-smiley,
img.emoji {
        display: inline !important;
```

Instructions to rebuild

If you were to rebuild the source code, here is a good link to do

https://stackoverflow.com/questions/1082580/how-to-build-jars-from-intellij-properly