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JDOCS
CIT
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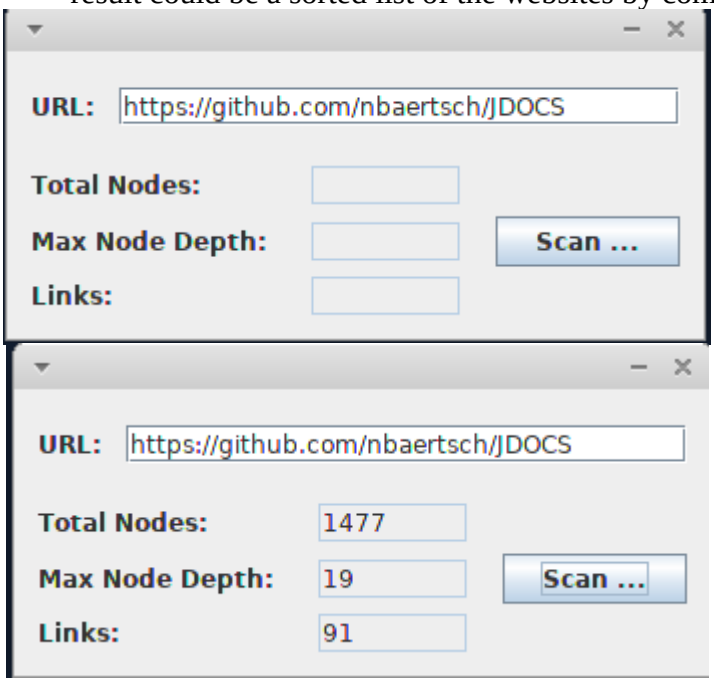
CCAC

ACCESS: GitHub: https://github.com/nbaertsch/JDOCS

Explanation: This project, dubbed the “Java Document Object Complexity Scanner”, aims to quantify the complexity of a website by traversing the DOM and calculating it’s breadth and depth as well as enumerating link tags. It is designed with MVC principles in mind, so as to be extensible by other students or myself in the future. This project leverages the Jsoup library to do the bulk of the heavy lifting, including DOM retrieval over HTTP and basic DOM traversal.

Future Improvements: In the future, I would like to see this project expand to include other metrics for website efficiency. These could be, for example: mean time-to-load, file-size (including images), and possibly, the program could build a DOM from links and create a model of the entire site. Another idea I had was to ask the user how many URL’s to scan, and then the result could be a sorted list of the websites by complexity.



Resources: Jsoup API