**Hello and welcome to the exercise :)**

Submission is as a public git repo.

Reminder:

This assignment is a preparation assignment for **a live, joint debug session.**The evaluation will be based on this session and you will be allowed to use Google, StackOverflow and any other website or tool,  just as you do on your daily work.

**Web Crawler Exercise**

The goal of this exercise is to build a web crawler CLI. The CLI is a node.js/python/typescript application.

CLI usage:

node crawler.js <start\_url: string> <depth: number>

Description:

Given a url, the crawler will scan the webpage for any images, and continue to every link inside that page and scan it as well.

The crawling should stop once <depth> is reached. depth=3 means we can go as deep as 3 pages from the source url (denoted by the < start\_url > param), and depth=0 is just the first page.

Results should be saved into a results.json file in the following format:

{

results: [

{

imageUrl: string,

sourceUrl: string // the page url this image was found on

depth: number // the depth of the source at which this image was found on

}

]

}

Web crawler introduction can be found here: <https://en.wikipedia.org/wiki/Web_crawler>

When you are done, please send me a link to a git repo with the code.

Good luck!