## Test task for NET developer position

**Version 1.2**

### **Story**

As a user I want a tool for evaluating a website performance.

### **Acceptance criteria**

* create console application
* input: user enters web site url
* application should find all urls (html documents) on website crawling all pages (without using sitemap.xml)
* application merges the list from the previous step with urls found in sitemap.xml (if it exists)
* application should output a list with urls that exists in sitemap and doesn’t on website pages

Urls FOUNDED IN SITEMAP.XML but not founded after crawling a web site

| Url |
| --- |
| 1) https://www.example.com/readme |
| 2) https://www.example.com/faq |
| 3) ... |

* application should output list with urls (html documents) which exists on web site but doesn’t in sitemap.xml

Urls FOUNDED BY CRAWLING THE WEBSITE but not in sitemap.xml

| Url |
| --- |
| 1) https://www.example.com/readme |
| 2) https://www.example.com/faq |
| 3) ... |

* all urls should be queried wand the list with url and response time for each page should be outputted ( output should be sorted by timing )
* application should return how many urls have been found in sitemap.xml and how many urls have been found crawling website

Timing

| Url | Timing (ms) |
| --- | --- |
| 1) https://www.example.com/readme | 1000ms |
| 2) https://www.example.com/faq | 1500ms |
| 3) ... | ... |

Urls(html documents) found after crawling a website: 3

Urls found in sitemap: 10

* Source code for the task should be uploaded to GitHub or Bitbucket