**Challenge:**  
  
Develop an API that returns the total number of lines and the total number of bytes of all the files of a given public Github repository, grouped by file extension.  
  
**Requirements**:

* Your API must be written using Java 8 or newer, ECMAscript 2015 or newer, or C# 8.0;
* Data must be retrieved from Github website by using web scraping techniques. Do not use Github’s API;
* Do not use web scraping libraries. We would like to know your ideas on how it can be done;
* Your API must support thousands of concurrent requests;
* We think it’s ok if the first request to a particular repository takes some time to respond (since you depend on Github website response times), **but we don’t expect the subsequent requests to be long;**
* We don’t expect to get timeout errors;
* We must understand your code and use your API without having to ask you any questions. Our primary language is English so please use it on comments and documentation;
* We’d like to see SOLID principles in your solution;
* You are free to choose your API contracts (parameters and response formats) but we’d like to be able to integrate it with any other existing solutions;
* You don’t need to persist any data (but feel free to do it if you want);
* We’d like to see**at least one automated test**;
* **You must deploy your solution to a cloud provider** like Amazon AWS or Heroku and send us the link to access it. It’s a plus if you publish a Docker image with your application (including its dependencies) in a registry like Docker Hub and let us know how to get it.

**Push your source code to a Github or Bitbucket repository and send the link to**[**jobs-br@trustly.com**](mailto:jobs-br@trustly.com)**.**  
  
We appreciate your interest in being part of our team and wish you good luck!