

Additional assignment

Have you ever wondered what is a “true” value of the products you buy? How much does 1 horsepower of a car cost? How much does the cost of a square meter of a house decrease with moving 1km away from the city center? How much does 1 year of maturation of 100ml whisky cost? What is the cost of a smartphone calculated by 1 GB of ram memory? Answers to these questions do not necessarily reflect the true value of a given product, but may help with making a more informed decision about what to buy.

The goal of this assignment is to write a web scraper in JavaScript for an online store of your choosing which will calculate this “unit value” of each product on that website. E.g., a ranking of single malt whisky according to the cost of a year of maturation of 100ml (e.g., a 700ml bottle of 50-years old Glen McKenna which costs 2500\$ has a “unit value” of 7.14\$ per 100ml for each year of maturation).

Useful resources:

- Node.js – online environment: <https://repl.it/languages/nodejs>
- Http library, e.g., <https://github.com/request/request>, <https://github.com/request/request-promise>
- Html navigation library, e.g., <https://github.com/jsdom/jsdom>

When the process is over, the code should present the list of items with their name, price, and “unit price”, ordered by the “unit price”.