Exercice PHP - Stock Analysis

Aim

The aim of this project is to estimate your coding skills. This exercise is built to be too long for you to finish it, therefore your **aim is not to finish it**. We are trying to estimate your coding skills but also **your ability to split a project into tasks** and **prioritise** them. We're **interested in your qualities** and not your flaws; so we advise to start with what you think you'd do best. **We value way more an unfinished project with good code in it to a big project fulled of quick and dirty.** If you manage to finish the exercise you're definitely allowed to offer or implement extension ideas. The requirements are wide on purpose and you'll have to select **the best option** to answer this exercise.

Presentation

You have to code a program to detect the stock outs of a hhv.de.
You have to scrape the website **www.hhv.de** to know its level of stock and code an algorithm to detect when variants are in stockout. Most of the time the stock outs aren't indicated on the website, the variant just won't be there.
We advise to start by detecting stock outs in specific categories as sneakers.
Be careful to the gender and the brand of the products as the expected variants varies according to those parameters.

Specifications

- The algorithm must be coded in PHP or NodeJS.
- You can use any framework or module you want. However, we only evaluate your code so if everything is done by modules we won't be able to evaluate you. As a great man said: "With great power comes great responsibility!"
- You are free to use all dependencies and external services that you want, but Stockly shouldn't have to pay in order to use your code.
- The code should be done on the provided repos on Github. It has to be coded using Git and the structure of the git tree will be evaluated.
- You have one week to do as much as you can on the exercise. We advise you to spend at least 5 hours on it. During the next interview, we will devote 30 minutes to the code

presentation (15 minutes of presentation and 15 minutes of questions), choose wisely the code passage that you want to present.

Criteria in order of importance

- Code structure.
- Quality and inventiveness of the solutions.
- Code cleanness.
- Number of implemented features.
- Git tree: commit messages & structure.

Documents

- Repo Github
- For any question: oscar@stockly.ai

External Documents