

Task - Clean

The goal of this task is to refactor a piece of code. You should change it so it become in a way that you would like to find it when you are working in a software project. The only rule is that the provided index.html page should write the calculated price to the console for the given parameters.

Price calculator

This application calculates price based on different rules and values. The calculate uses:

- User type
There are two different user types:
 - Company, a company user
 - Normal, all users that is not a company user
- Product type
There are two product types:
 - New, a new product in the product line
 - Old, an existing product in the product line
- Price
- Published date

Formula

The formula for the price calculation is:

Product price + product type price – rebate

Additional prices

The additional product type prices are:

- New, +25 SEK
- Old, +35 SEK

Rebate rules

- If the product is new and is published today you will receive 10 SEK in rebate
- If you are a company user you will receive 5 SEK in rebate

Structure

- index.html
The start page of the application
- src/price-calculator.js
The script for price calculations
- spec/price-calculator.specs.js
The test/specifications for the application
- spec/runner.html
The test/specification runner (in this task we are using mocha.js with expect.js)
<https://github.com/visionmedia/mocha>
<https://github.com/LearnBoost/expect.js>

Validation

You do NOT have to spend any time on input parameter validation.

What we expect

We expect you to change the parts that you think is bad to something better. Since we don't provide a real context we know that you need to guess some parts and define limitations. You shouldn't spend more than 1-2 hours on this. We fully understand that there might be things left that you would like to do but didn't have time to do during the 1-2 hours, this is okay!