

Full Stack developer task

Create a simple web application, which simulate a shop with two kinds of products. Initially there are 20 items of the 1st product and 10 items of the 2nd product.

User can say how many items of each product he wants and clicks the “Buy” button. Application can check if there is enough items left and show the summary of the shopping (or an error page if there is not enough items left).

User Stories:

As a User I want to see current number of two kinds of items.

As a User I want to buy specified number of items.

As a User I want to see summary of my shopping.

Exemplary wireframe:

A Web Page

http://

Currently available in our shop:

Item A: 20 left

Item B: 10 left

Your shopping:

Item A

Item B

Buy

Remarks:

- You don't have to worry about user registration, user accounts, etc.
- You don't have to put the data to a database. Restarting the application can cause losing the data.
- You don't have to worry about the visual presentation (e.g. colours)
- Keep in mind that potentially your code needs to be maintained and extended.
- You can take your own assumptions of the requirements if they have not been stated above.

Technical requirements:

- Use Java for the back-end
- The project should be build with Maven 3 (and Grunt/Gulp if you find this useful)
- Other than that you are free to use any frameworks and libraries, both on back-end and front-end

Please provide us with:

- Source code (can be zipped or uploaded to GitHub/BitBucket)
- A README.ME file with short answers for the following questions:
 - Reason why you used specific frameworks and libraries for the front-end and back-end
 - How the persistent layer could be implemented?
 - How long did it take yo to create the code?