

Boyum Solutions Developer Code Challenge

Requirements

- Code should be written in C#
- It should be a desktop application

Assignment

You are given the following XML file (copy attached):

```
<?xml version="1.0" encoding="utf-8"?>
<WebOrder id="42">
  <Customer>John Smith</Customer>
  <Date>20160327</Date>
  <Items>
    <Item id="B1234" description="SAP Business One">
      <Quantity>4</Quantity>
      <Price>133.33</Price>
    </Item>
    <Item id="A5678" description="Microsoft Office 2016">
      <Quantity>2</Quantity>
      <Price>1143.00</Price>
    </Item>
    <Item id="A2222" description="MSSQL Server 2014">
      <Quantity>2</Quantity>
      <Price>110.30</Price>
    </Item>
  </Items>
</WebOrder>
```

Structure Details

- Date format = yyyyMMdd
- Quantity is a whole number (integer)
- Price is a decimal number (2 decimal digits, no group separator)

Create an application from where you can select the XML file and show the content of the XML file.

UI Mockups

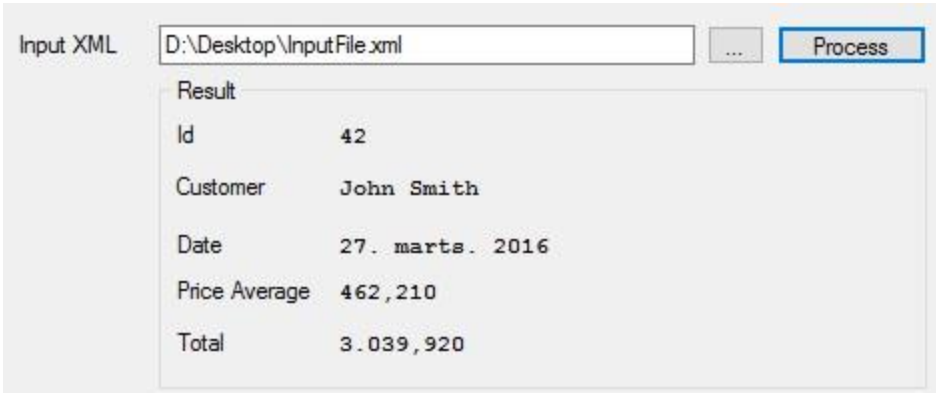


When pressing the Process button, the following should happen:

- The content of XML File should be converted into an object representation (example for inspiration):



- The following output should be displayed based on the above objects:



- Date should be in the format: dd. MMMM. yyyy
- A total (based on the items quantity and price) should be calculated.
- An average item (line) price should be calculated.
- The two above numbers should be shown with . <dot> as thousands separator and , <comma> as decimal separator and there should be 3 decimal digits.

Practicalities

- There are no requirements to architecture, code style, tests, comments etc. but do as you think it should be done. However, remember that your solution should showcase your skills.
- When you are done, write a short summary (no longer than one page) on how you approached the assignment, package the entire solution with the summary and share it via OneDrive, Google Drive or similar and inform your contact person at Boyum Solutions via email.
- Any questions regarding the assignment should be sent to your Boyum Solutions contact person via email.