**Exercise test Book Search**

**TASK**

The task is to be implemented in Microsoft .NET and consists of two parts. For your help, you have Visual Studio and the information you might find on the internet. The task follows an XML file (books.xml) to use as a data source. This file should be included and used in your solution. Source code files must be delivered together with a description (type README) containing instructions for testing the application

***First part - Web service***

Implement a web service API to search for books. As a data source, you must use the books.xml file. The file contains books defined with the following properties:

• author (data type string): Author

• title (data type string): The title of the book

• genre (data type string): Which category the book belongs to

• price (data type decimal): The price of the book in USD

• publish\_date (data type date): Date when the book was published

• description (data type string): Brief description of the book

Each book is defined in a book tag with an id (data type string). All books are in catalog tag that is also the root node in the XML file.

Your API should at least contain method for searching books by title. Searching for part of the title must also be included in results.

Example: A search for "Ruby" should include both "Deploying with JRuby" and "Build Awesome CommandCLine Applications in Ruby" in the result.

***Second part - Web interface***

Implement a web interface that uses your API from the first part.

**ASSESSMENT**

Assessment is primarily based on the structure and structure of the solution. We want to see that you master the .NET and can use the platform practically.

Does your solution meet the following criteria:

• Transparency: Can I only understand what the program does by looking at the code?

• Resonable: Are decisions on technology choices well considered and founded?

• Usable: Would parts of this code be reusable?

• Examplary: Is this code a good example? Will one refer to the solution in order to show how to solve similar problems?

Extra plus is provided for extended search API and stylish presentation in the web interface. Feel free to impress us! Good luck!