

.NET Developer Task

Create a console application to manage Visma's book library using .NET5.

Requirements:

- Command to add a new book. All the book data should be stored in a JSON file. Book model should contain the following properties:
 - Name
 - Author
 - Category
 - Language
 - Publication date
 - ISBN
- Command to take a book from the library. The command should specify who is taking the book and for what period the book is taken. Taking the book longer than two months should not be allowed. Taking more than 3 books should not be allowed.
- Command to return a book.
 - If a return is late you could display a funny message :)
- Command to list all the books. Add the following parameters to filter the data:
 - Filter by author
 - Filter by category
 - Filter by language
 - Filter by ISBN
 - Filter by name
 - Filter taken or available books.
- Command to delete a book.

Focus on good code design and good practices, UI design should be minimalistic and simple. We require OOP design and unit tests.

Push your code to Git (e.g. GitHub, GitLab, Bitbucket) repository and share the link with us.

Good luck!

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FAQ

Q: Can I use a database?

A: No. At this stage file storage is enough.

Q: Can this application be a Windows form application or a WPF application?

A: No. We are geeks and like using the terminal.

Q: Can I develop a web application?

A: Still no.

Q: How long should it take?

A: 2 to 4 hours. Do not spend more than that.