

Java Developer Task

Create a web application to manage Visma's book library using Java Spring Boot.

Requirements:

- Rest API endpoint to add a new book. All the book data should be stored in a JSON file in a file system. Book model should contain the following properties:
 - Name
 - Author
 - Category
 - Language
 - Publication date
 - ISBN
 - GUID
- Rest API endpoint to take a book from the library. Endpoint 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.
- Rest API endpoint to get a book by GUID.
- Rest API endpoint 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.
- Rest API endpoint to delete a book.

Focus on good code design and good practices. 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!

Java Developer Task

FAQ

Q: Can I use a database?

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

Q: How long should it take?

A: 4 to 8 hours. Do not spend more than that.