

# Back-end developer assignment

## Description

Create a simple API application written in Ruby with or without a framework. You can choose the database engine and any other tech you might want to use.

## Endpoints

1. List all visible books having a publishing company (publisher). Each element of this list should contain the following information:

- Title
- Description (Truncate at 100 characters followed by ellipsis)
- ISBN
- Author's full name

Order:

- 1) Alphabetically by author's last name
- 2) Books of same author must be ordered in descending direction by using a numeric position attribute.

2. Display a single book having the following attributes

- Title
- Description
- ISBN
- Creation date (e.g. 23/08/1987)
- Author's full name
- Author's email address
- Author's date of birth (e.g. 23rd of December 1970)
- Publisher's name
- Publisher's address

3. Create a new author.
4. Create a new publisher.
5. Create a new book.
6. Update an existing book.
7. Delete an existing book.

## **Resources**

### **Book:**

- Title
- Description
- Visibility status
- Date of creation
- ISBN (*unique numeric commercial book identifier*)

### **Author:**

- First name
- Last name
- Email address
- Date of birth

### **Publisher:**

- Name
- Telephone
- Address

### **Notes(important):**

1. Using Ruby is mandatory
2. requests/responses all in JSON format
3. Frameworks aren't required, use whatever you like
4. DB engine of your choice
5. "Resources" isn't a db schema, it describes attributes and objects you will need
6. Validations aren't described at all you must find out what to validate on your app for each endpoint
7. Books and authors need to be able to associate through some of the endpoints
8. No need for authentication
9. Assignment's code must be delivered in a VCS repository (Github, Bitbucket e.t.c.)