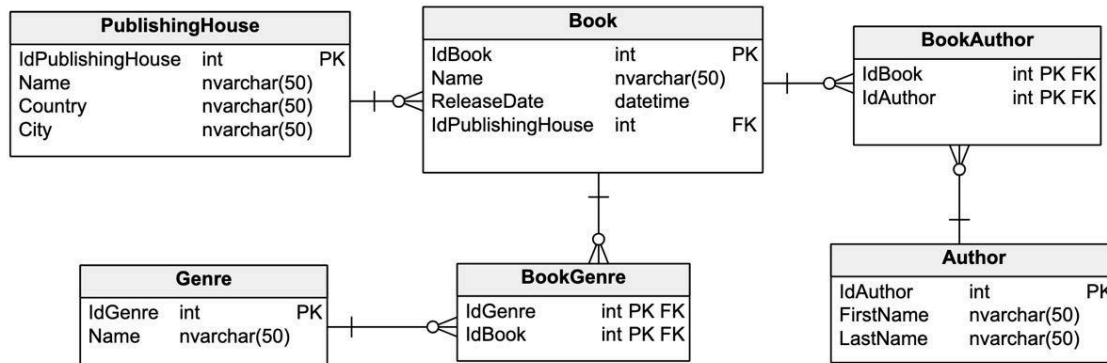


Test 2



Above is a representation of the database diagram used in the tasks below.

Tasks should be completed using EntityFramework Core following the Code First approach.

1. Prepare an endpoint that returns a list of all books. Books can be filtered by release date. If no filters are provided, unfiltered data should be returned. The response should include all data related to the book along with genres and authors as well as a publishing house. Data is sorted by release date in descending order and publishing house name in ascending order.
2. Prepare an endpoint that supports adding a new book. The endpoint should accept the publishing house ID, name, country, city, authors' IDs as well as genres' IDs. If a publishing house does not exist, we should support adding it.

Remember about:

1. We use Entity Framework Core.
2. Remember the principles of designing REST applications.
3. Remember good practices related to application architecture.
4. Make sure your application compiles.
5. Remember to return appropriate HTTP codes and handle errors.
6. First of all, the operation of the application is important, secondly code quality (separation of business logic, presentation and infrastructure)

The solution should be uploaded to your GitHub repository. In case there are issues with GitHub, you can upload .zip as well.

Remarks:

1. Plagiarism - 2.0 from the subject
2. Using AI tools - 2.0 from the subject
3. The application does not compile - 0 points