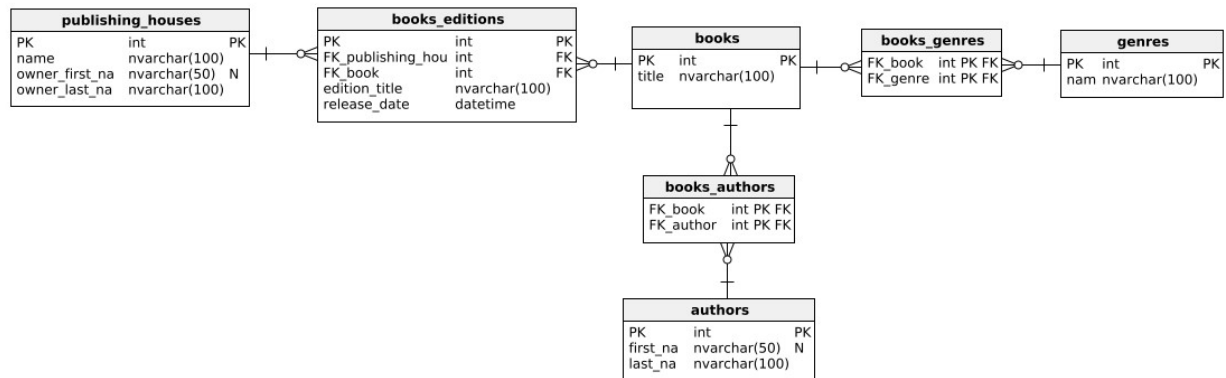


Test 1 - Group A

Time: 1h25m

Solve the tasks below.

1. Create a public repository on the GitHub platform. In the repository, post the solution to Task 2 once it is completed.
2. Create a .NET WebAPI application that meets the following objectives:
 - The API will work on the following database, which contains data of books and their editions.



- It will allow sending HTTP queries to endpoint **api/books/{id}/editions**, which will return all editions of a given book.

Example request:

Request

```
GET api/books/1/editions
```

Response

200

```
[
  {
    id: 1,
    bookTitle: "The Hobbit",
    editionTitle: "The Hobbit",
    publishingHouseName: "Kremówka"
    releaseDate: "2017-09-08T19:04:14.480Z"
  },
  {
    id: 2,
    bookTitle: "The Hobbit"
    editionTitle: "Hobbit, czyli tam i z powrotem"
    publishingHouseName: "Świetne wydawnictwo"
    releaseDate: "2017-09-08T19:04:14.480Z"
  },
]
```

- It will allow sending HTTP queries to endpoint **api/books**, which will add a new book to the database along with its single edition.

Example request:

Request

POST api/books

```
{
  bookTitle: "The Hobbit"
  editionTitle: "Hobbit, czyli tam i z powrotem"
  publishingHouseId: 1,
  releaseDate: "2017-09-08T19:04:14.480Z"
}
```

Response

201

api/books/1/editions

```
{
  id: 1,
  bookTitle: "The Hobbit"
  publishingHouseName: "Kremówka"
  editionTitle: "Hobbit, czyli tam i z powrotem"
  releaseDate: "2017-09-08T19:04:14.480Z"
}
```

Remember to:

- Return the appropriate HTTP codes;
- Validate queries (if applicable);
- Programm asynchronously;
- Keep the code organized;
- Separate the database logic into a separate layer (repositories / service);
- Create a valid .gitignore file before adding files to the repository;
- Time!!!

Evaluation

The starting point is 100%. A specific amount of points is deducted for errors in the work:

- 5% for each inappropriate / incorrectly used HTTP code (max -15%);
- -45% for each missing endpoint (max -90%);
- -10% for not separating database logic into a separate layer;
- Synchronous programming (max -10%);
- No validation (max -10%);
- Unreadable code (max -10%);
- -10% for unnecessary files in the repository;
- -25% for manually uploading a project to the repository (via Github upload);
- -5% for each invalid endpoint address.