Exam submission task

The task consists of two parts, part A and part B, they are submitted as a submission.

For the grade Pass, submitted working code that solves all parts of task A with code that is structured in a basic functional way is required. For example own model classes. Your entire solution must be compressed with zip.

For the grade Well Passed, part A and part B must be submitted together in one solution, but two different projects in the same zip. The same requirements for basic structure in the code.

The question

is: Which characters from **House Arryn of the Eyrie** and **House Baelish of the Fingers** appear in the same books (out of the five below) list them based on each book by house and in alphabetical order. Details for the two subtasks below.

Part A

You must via an open REST API: https://www.anapioficeandfire.com/api/ search for data on two noble houses and find out which, if any, of their members are in the same book (here we are only interested in the five books published in the main series, not the more peripheral ones).

- *A Game of Thrones* (1996)
- *A Clash of Kings* (1998)
- *A Storm of Swords* (2000)
- *A Feast for Crows* (2005)
- *A Dance with Dragons* (2011)

The lists must then be neatly formatted, printed first with the name of the book, then with the character's name, house name, any titles and which other books (in addition to the one under which it is listed at the moment and regardless of whether it is a book in which people from other clans appear) from the five the ledgers above in which the person appears and if in any of the books it is a Point of view person. The lists must be sorted by house first, name second. One list per book.

Part B

Create a new project in the same solution with a simple controller to serve a REST API with the lists above **augmented** with data about which TV series seasons the character may appear in. I want them delivered as a list of lists in json format, otherwise the same structure.

The API should be documented in swagger and testable from a swagger page.

It is fine to make the api in http (without s) and it only needs to be able to run in localhost.

Part B

Feel

free to use git and github, but only private repos, I do *n't* want to find them publicly.

Feel free to create the repo from Visual studio or make sure to include a correct .gitignore from the start to avoid including binary files and more.

It's great to use github's feature to download a zip from the repo to make a proper commit file. But test it first by putting it in another map and test-running it there.

API info It

is possible to use the api to get lists via, for example, /books, /houses or /characters.

But it is also possible to retrieve detailed information through, for example, /characters/111

There are books in /books that are not one of the five above. Manual research can pay off.

Pages can be paginated if it is houses/books and so on.

houses/?page=2 for example.

Direct references are not paginated. For example /house/143

The API has help pages.

Links

Landing page with API demo:

https://www.anapioficeandfire.com/

Root node for the API:

https://www.anapioficeandfire.com/api/

Documentation:

https://github.com/joakimskoog/AnApiOfIceAndFire/wiki