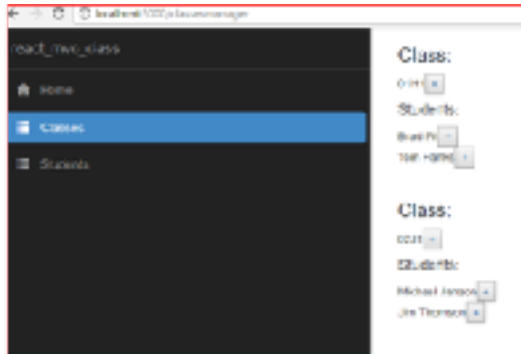


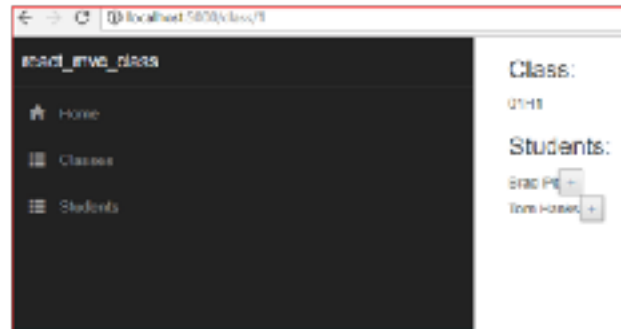
# Development 5 practicum check

## Case description:

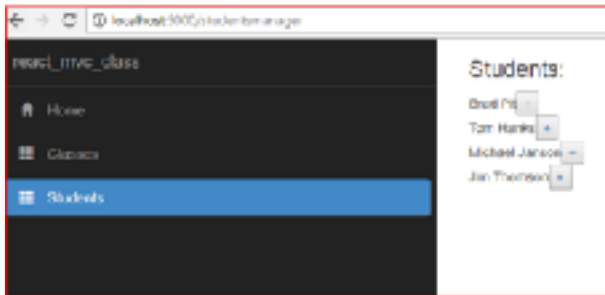
The provided application for the exam is a class/students application, where a user is able to visit the students stored in the database and their classes (see below figure). In this application a student can participate to at most one class at a time (One-to-Many).



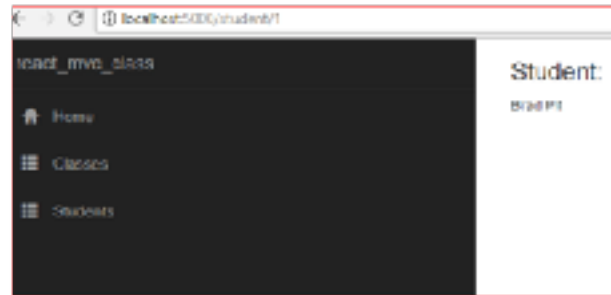
View of all classes and their students



View of all students of a class



View of all students



View a student

We provide you a solution called MVCcomplete, which you can find on GitHub (url: <https://github.com/hogeschool/INFDEV02-5-PRCHK>). This solution comes with a series of missing code blocks, where each code block is worth a different amount of points. To get the points for a specific block you need to fill it in with valid/correct code. To pass the exam you need to score at least 5.5. The missing code blocks are marked in the solution by a TODO comment<sup>1</sup>. In a TODO item you will also find the associated points. Note each TODO comes with a specific number necessary later for the submission (see submission rules in the following page).

TODOs are distributed in the solution as follows:

- > Models
  - o Models.cs
    - 3 TODOs 1.5 ptn
  - o Startup.cs
    - 1 TODO 0.5 ptn
- > Controllers:
  - o ClassController.cs
    - 5 TODOs 1.75 ptn
  - o StudentController.cs
    - 4 TODOs 1.25 ptn
- > Views:
  - o Index.cshtml
    - 1 TODO 0.5 ptn
  - o routes.tsx
    - 1 TODO 0.5 ptn

<sup>1</sup> You can find all the TODOs by searching `// TODO` in the search box of your IDE (in case of Visual Studio Code you can find the search box by clicking the magnifier icon on the left side of the IDE)

- StudentsManager.tsx
  - 1 TODO 1.0 ptn
- Student.tsx
  - 2 TODOs 0.75 ptn
- ClassesManager.tsx
  - 3 TODOs 1.5 ptn
- Class.tsx
  - 2 TODOs 0.75

In case you want to test your views in isolation (because for example your back end solution is not complete) we provide you an additional solution that includes only the front end; you can find this solution on GitHub in MVCminified->Frontend. Copy here your code of your views and test them with the complete/minified backend (M + C) present on GitHub in MVCminified->Backend. To run the minified back end move inside the Backend folder with your terminal and call *dotnet exam\_webapi.dll*.

### **Submission form and rules**

As you can see below and in the application, each TODO is identified by a unique number. To accept your solution you must copy in the code that completes the application in the appropriate space below. So, for example if you write some code for TODO 5 in the application then you must copy this code below in TODO 5 slot. For this exam, you do not need to upload the solution on natschool, but give these papers back to the surveillant present in the room. NB. Unreadable text in a TODO slot will not be graded.

Student name: .....  
Student Nr.: .....  
Class name: .....

**TODO 1:**

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**TODO 2:**

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**TODO 3:**

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**TODO 4:**

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**TODO 5:**

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**TODO 6:**

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**TODO 7:**

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**TODO 8:**

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**TODO 9:**

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**TODO 10:**

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**TODO 11:**

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**TODO 12:**

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**TODO 13:**

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**TODO 14:**

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**TODO 15:**

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**TODO 16:**

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**TODO 17:**

**TODO 18:**

**TODO 19:**

**TODO 20:**

**TODO 21:**

**TODO 22:**

**TODO 23:**