

Classlist

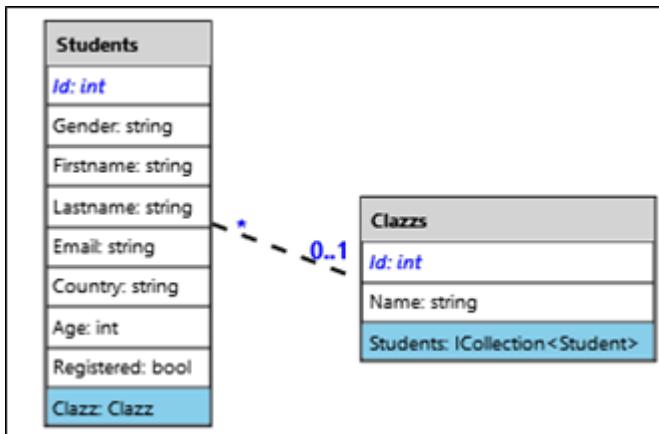
Introduction

Write a web page to display **class lists** with data read from a web service with Ajax.

Klassenauswahl:	4a	4b	5a	5b
Klasse 4a				
Last students moved:				
<ul style="list-style-type: none">• Garcia Gregory --> 4b• Moore Judy --> 5a				
<i>m/w</i>	<i>Name</i>	<i>Alter</i>	<i>Reg</i>	<i>Klasse</i>
♀	Boyd Phyllis	20+	26	4b 5a 5b
♀	Coleman Evelyn	70+	76	4b 5a 5b
♂	Green Gregory	70+	71 ✓	4b 5a 5b
♂	Hill Philip	60+	65	4b 5a 5b
♀	Howard Andrea	50+	55	4b 5a 5b
♂	Kelly Johnny	70+	76	4b 5a 5b
♂	Lewis Jason	40+	48 ✓	4b 5a 5b
♀	Patterson Marie	50+	50 ✓	4b 5a 5b
♂	Perez Fred	30+	32	4b 5a 5b
♀	Torres Betty	30+	38 ✓	4b 5a 5b
♂	Tucker Keith	70+	79 ✓	4b 5a 5b
♂	Williams Frank	70+	77 ✓	4b 5a 5b
♂	Williams Michael	70+	72 ✓	4b 5a 5b

Backend

The database **students.sqlite** is attached to this document as a ZIP-file. Create the template projects using the **createWebapiProject** tool from Prof. Grüneis.



Id	Name	Id	Gender	Fristname	Lastname	Email	Country	Age	Registered	Clazz_Id
1	4a	1	M	Fred	Perez	fperez0@google.com.br	Finland	32	False	1
2	4b	2	F	Phyllis	Boyd	pboyd1@youtube.com	Sweden	26	False	1
3	5a	3	M	Johnny	Kelly	jkelly2@answers.com	Philippines	76	False	1
4	5b	4	F	Romy	Torres	btorres2@outlook.in	China	20	True	1

Navbar Component

In the navbar of the page a button should be displayed per class. This should be programmed as a separate component.

Klassenauswahl:	4a	4b	5a	5b
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The HTML file should therefore only be noted:

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<app-navbar [classes]="classes"
             header="Klassenauswahl:"
             (selected)="onClazzSelected($event)"></app-navbar>
  
```

Clicking on a button displays all students of that class (and hides the others).

Student-Row component

The individual students should also be displayed by means of an own Angular component **student-row**.

	Green Gregory	70+		71			4b	5a	5b
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- Program a row as a **<div>** with spans and set the width of the spans in the scss file.
- Instead of the gender ("M" or "F"), a class attribute should be set that uses a corresponding style with **background-url** set so that a matching image is displayed.

- Try to avoid copying blocks of code in scss, use **@extend** instead (google how to do that)!
- The age should be displayed as 20+, 30+, ... etc. To do this, program a function **getAgeString** in the component student-row.
- If **registered** is set to **true**, a check should be displayed as an image (again use background-url).
- With a NumericUpDown (input type = "number") one should be able to change the age. The age column has of course to update itself accordingly.
- By clicking on the cell for registered you should be able to check or uncheck. To do this, program the function **changeRegistered** in the component student-row.
- If you click on one of the class buttons, the student should be moved to the appropriate class. Therefore you have to program an **EventEmitter**.
- As an extension you can also program that this change will also be stored in the database, so it will be sent to the server with a POST.

Notifier service

Write a service with a subject as shown in the handouts. It should distribute objects with **properties string studentName and string targetClazz**.

The student row component should trigger a notification with that service when a student is moved to another class.

Log component

Write a component that should display a history of students moved to another class.

Last students moved:

- Garcia Gregory --> 4b
- Moore Judy --> 5a

Therefore this component should listen to emits from the notifier service.

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