




Probearbeit EN

This task is about creating a new page in an existing Angular project.
This page should display a customer table. The individual table rows can be expanded via a button so that they display an editing form. It should also be responsive and change its layout under certain circumstances.

 We use Angular 17 and the UI components of Angular Material in this project.


-  Angular Material
-  Angular
















1. Customer table

A component is to be created that can be accessed under the path /customers and via the menu.
This component shows a table with the following columns:

- Picture
 - Displays an image URL as a round avatar
- First name
- Last name
- E-Mail
- Birthday
- Adress
 - Consisting of: Streetname, Streetnumber, City & Country

The underlying interfaces can be found in the project under src/app/model/.
The data can be retrieved via the CustomerService under src/app/services/.

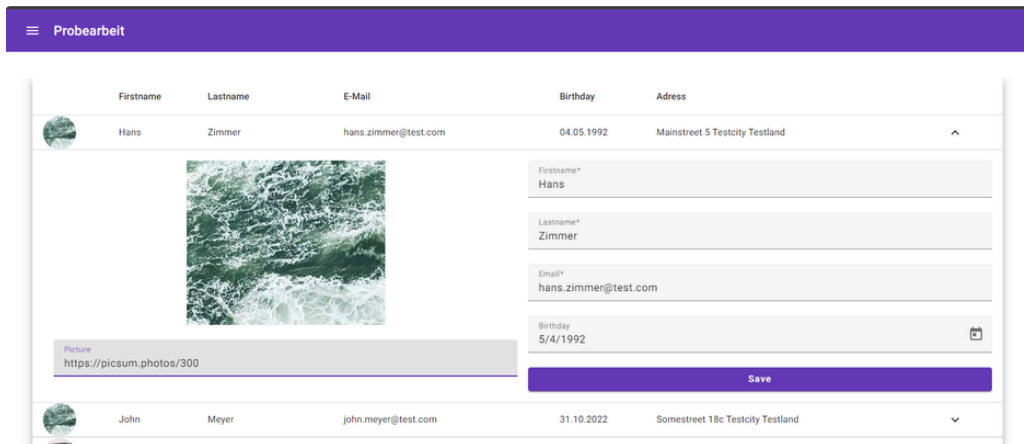
 Probearbeit

	Firstname	Lastname	E-Mail	Birthday	Adress	
	Hans	Zimmer	hans.zimmer@test.com	31.10.2022	Mainstreet 5 Testcity Testland	▼
	John	Meyer	john.meyer@test.com	31.10.2022	Somestreet 18c Testcity Testland	▼
	Bob	Miller	bob.miller@test.com	31.10.2022	Another Street 5 Somecity Someland	▼
	Sarah	Pauls	sarah.pauls@test.com	31.10.2022	XY Way 1 Randomplace Someland	▼
	Jim Bob	Becher	jim.bob@test.com	31.10.2022	Flowerstreet 5 Anothercity Testland	▼
	Ingo	van de Meiklojjes	ingo.meiklojjes@test.com	31.10.2022	Freeway 500 Testcity Testland	▼
	Samuel	Jackson	sam.jackson@test.com	31.10.2022	Something 845e Somecity Someland	▼
	Vanessa	Michaelson	vanessa.michaelson@test.com	31.10.2022	Funnystreet 68c Randomplace Someland	▼
	Linda	Gray	linda.gray@test.com	31.10.2022	Centerway 12 New Something XYZCountry	▼
	Leandra	Kaiser	lea.kaiser@test.com	31.10.2022	Somestreet 99 Testcity Testland	▼
	Evelyn	Zwiebelsuppe	evelyn.zwiebel@test.com	31.10.2022	Jimmysway 475 Somecity XYZCountry	▼
	Sebastian	Oberhäuser	seb.oberhaeuser@test.com	31.10.2022	Newway 18 Testcity Someland	▼
	Kim	Neanderthaler	kin.neanderthaler@test.com	31.10.2022	Centralway 59 Anothercity Testland	▼
	Jeanny	Humphries	jeanny.humphries@test.com	31.10.2022	Freeway 156 Testcity Testland	▼
	George	Jackson	george.jackson@test.com	31.10.2022	Something 997 Randomplace Someland	▼

2. Editing form

The individual table rows are extended via a button at the end of the row to display an editing form.

The editing form is to be created in a separate component called “customer-detail”.



The screenshot shows a web application titled "Probearbeit". It features a table with customer data. The first row is selected, showing details for Hans Zimmer. The details are displayed in a form on the right side of the row. The form includes input fields for Firstname, Lastname, E-Mail, and Birthday, each with a corresponding label and a "Save" button. A picture of Hans Zimmer is shown on the left side of the form. The table has columns for Firstname, Lastname, E-Mail, Birthday, and Adress. The second row shows details for John Meyer.

Firstname	Lastname	E-Mail	Birthday	Adress
Hans	Zimmer	hans.zimmer@test.com	04.05.1992	Mainstreet 5 Testcity Testland
John	Meyer	john.meyer@test.com	31.10.2022	Somestreet 18c Testcity Testland

Form fields for Hans Zimmer:

- Firstname*: Hans
- Lastname*: Zimmer
- E-Mail*: hans.zimmer@test.com
- Birthday: 5/4/1992
- Picture: <https://picsum.photos/300>
- Save button

A 2-column layout is desired that displays an input field for an image URL and a preview on the left-hand side.

On the right side there are input fields for first name, last name, e-mail and birthday.

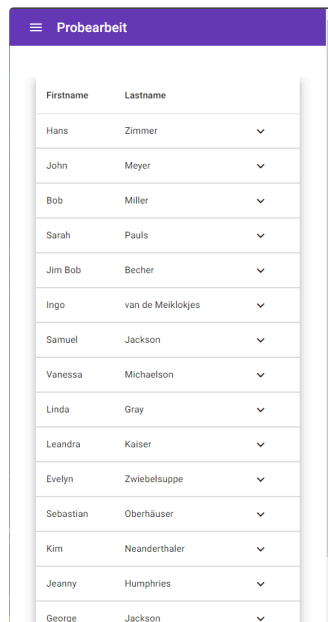
A save button is only active if all fields are filled in and the e-mail has the correct format.

3. Responsive Layout

The components are to be optimized so that the data is also clearly visible in smaller viewports.

First of all, columns should be dynamically shown or hidden in the customer table.

If the viewport width is smaller than 750px, only the columns First name, last name should be displayed.



The screenshot shows the same "Probearbeit" application but on a smaller viewport. The table is now a single column, displaying only the Firstname and Lastname columns. The table has 15 rows of customer data. Each row has a dropdown arrow on the right side.

Firstname	Lastname
Hans	Zimmer
John	Meyer
Bob	Miller
Sarah	Pauls
Jim Bob	Becher
Ingo	van de Meiklokjes
Samuel	Jackson
Vanessa	Michaelson
Linda	Gray
Leandra	Kaiser
Evelyn	Zwiebelsuppe
Sebastian	Oberhäuser
Kim	Neanderthaler
Jeanny	Humphries
George	Jackson

The layout of the “customer-detail” component should also be suitably adapted for presentation on smaller displays.