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.

> ℹ️ 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/.

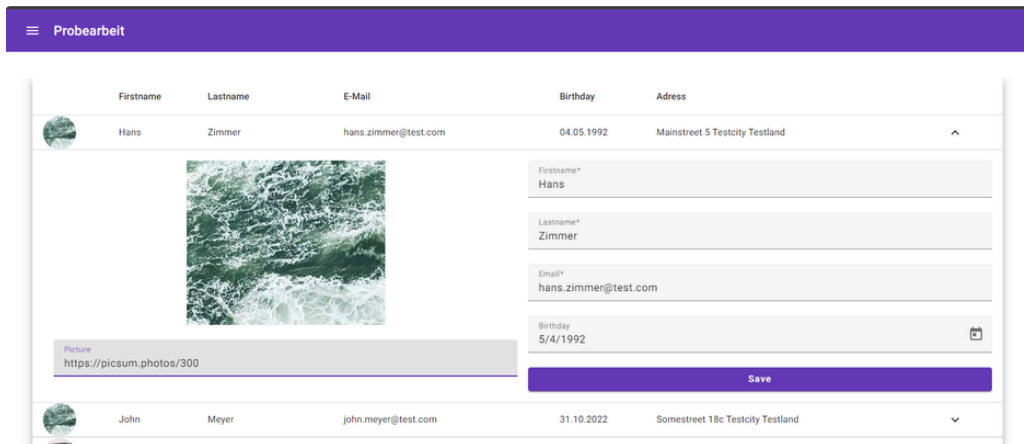The data can be retrieved via the CustomerService under src/app/services/.

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".

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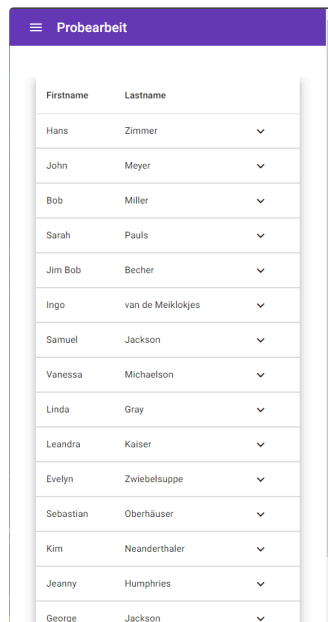A save button is only active if all fields are filled in and the e-mail has the correct format.

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