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Products		Add	Edit
	Product 1		
	Product 2		
	Product 3		

Design for developers and not only for users

For form we want to specify which fields are displayed. For this simple example assume we have fixed layout of fields in two columns. In the future we might want to extend this so take this into consideration in design.

Customer details		Edit
First name <input type="text"/>	Last name <input type="text"/>	
Street <input type="text"/>	House number <input type="text"/>	
City <input type="text"/>	Postal code <input type="text"/>	

devs have to learn one more framework
can't leverage existing knowledge

We want to be able to add also other display possibilities in the future if needed for example a grid, chart, card, ...

The data that will be displayed is loaded from a backend WebAPI. Think of a way to make it generic so we only need to specify the entity we want to load (ex. Product, Customer, ...) and the parameters/criteria that define what data to load. The load of data is triggered by calling a load data method on the component.

working against the framework instead of with it

Deliverables

Provide a design solution for this case in a form that it will be understandable. Design the components, services and models needed for the solution. If possible, provide also a small demo application that demonstrates the design.

Since in this case you cannot communicate to ask additional questions make assumptions about things that are not clear and implement them in a way that makes most sense to you.

Good Luck!

Simple to do simple things

Complicated to do complicated things

Tempting to think of patterns and try to make generic. Idiosyncratic frameworks

Case Study

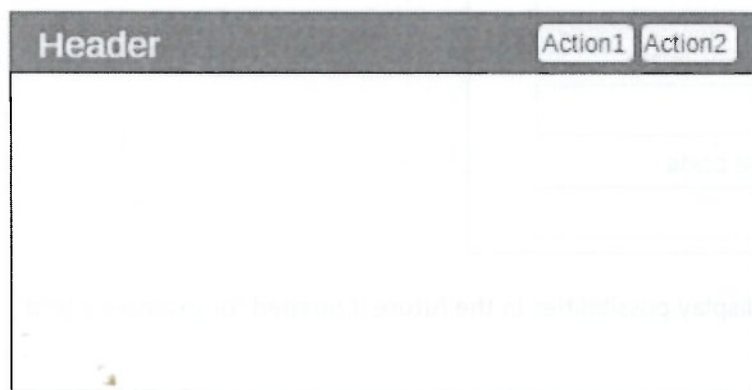
Configurable Angular component design

The aim of this sample task is to design a configurable Angular component that can display a different UI based on configuration. Choose the way you think is best to ensure testability, maintainability and extensibility.

Requirements

The configuration for the component should be received from a backend WebAPI service and then applied to the component to get the display that was configured.

The component should consist of two main parts. A header area on top and a content area.



In the header area we have a header and optionally some actions the user can execute on the selected entity. All this is specified from the configuration.

The content can be displayed in different ways initially only as a list of items or as a form to display details of an item.

Different display options can have special properties.

For example, for the list we want to have the possibility for the developer using the component to specify how a list item is rendered.

Such a framework would take picture information and turn it into textual information - which is harder to understand and absorb.