

trbo Testaufgabe: Frontend

Description

The following describes a test task that must be completed within eight hours.

The task describes a typical requirement of daily working life at trbo and therefore offers an initial insight into what is required of a developer.

The result should be a package of source code that covers as many requirements as possible. This is to be made available on GitHub.

The respective requirements are to be implemented using React.

All required data can be stored in the browser's LocalStorage.

Description of the requirements

A page is to be made available to the customer that displays a list of campaigns in a table. The columns should be

- Name
- Type
- Start date
- End date
- Status
- Actions

This view is intended to provide customers with an overview of their current campaigns and enable them to create new campaigns and manipulate master data.

The buttons in the "Actions" column are used to

- Edit an existing campaign
- set the status of a campaign so it can be changed from "active" to "deleted" and from "deleted" to "active"

Data model of a campaign

- campaign_name : varchar 50
- campaign_type : tinyint
 - 1 Standard
 - 2 AB-Test
 - 3 MV-Test

Anschrift

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Unternehmen

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- campaign_start_time : timestamp
- campaign_end_time : timestamp
- campaign_status_id : tinyint
 - 0 gelöscht
 - 1 aktiv

Editing and creating a campaign

If a campaign is to be edited, a modal window appears after clicking on the corresponding button, which displays input fields for the name, the start date and the end date. The type of campaign should be displayed as a dropdown and offers the options "Standard", "AB test", "MV test".

A button to cancel and a button to apply the changes are displayed at the bottom. "Cancel" discards the changed setting and closes the modal window. "Save" saves the data in the corresponding "database system", shows a short loading animation to give the user visual feedback, closes the modal window and displays a message confirming that the changes have been applied.

New campaigns can be created via a button positioned above the table. Clicking on this button opens the modal window, which is also used for editing campaigns. It must not be possible for campaigns to be saved without a name, start/end date or type.

It must not be possible to create a campaign whose start date is after the end date. A freely selected date picker should be used to display the date picker.

Display of campaigns

The table that shows the current campaigns should display the master data in such a way that it is readable for the user. Accordingly, the type, start/end date and status must be "translated" and displayed in words.

Filtering campaigns

A form is to be displayed above the table that provides an input field for each column of the table. The content of the table can be filtered using these input fields and dropdowns. For the start and end date, it is sufficient to search for the exact date.

Sorting campaigns

In the table header, icons are displayed next to the column titles to show which column is used for sorting. A suitable icon is displayed depending on the sorting direction. It should only be possible to sort by one column at a time. When clicking on the column name, the sorting should either be applied or reversed.

Changing the status of a campaign

The status of a campaign should be able to be changed via a button in the "Actions" column. For this purpose, a button for deleting active campaigns and a button for activating deleted campaigns should be displayed.

Both buttons differ in color and the icon that is used.

While the status of a campaign is being changed, a loading animation should provide the user with visual feedback and a message confirming the action should be displayed after a successful change.

When hovering over the buttons, a tooltip should appear explaining which action is to be carried out when the button is clicked.

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