Frontend Developer with React.js experience

Technical Exercise

Please use all the best practices for this technical exercise outlined in questions 1 and question 2 below.

Due Date: Friday, July 8th or Monday, July 11th

We will not use your test task for any commercial purposes.

Thank you for your participation and **Good Luck!**

Simple CRUD application with API implementation

(React.js and Typescript)

The major functionality of the application:

1. **List of all items**
2. **Creation of new item**
3. **View details of the selected item**
4. **Update specific item**
5. **Delete an item**

For this test, we will use a dummy API provided by https://jsonplaceholder.typicode.com/. All relevant information you can find on https://jsonplaceholder.typicode.com/guide/.

List of APIs that you will need for this test:

1. Listing all items - **GET -** https://jsonplaceholder.typicode.com/posts
2. Create a new item - **POST -** https://jsonplaceholder.typicode.com/posts
3. Item description - **GET -** https://jsonplaceholder.typicode.com/posts/${id}
4. Update item - **PUT -** https://jsonplaceholder.typicode.com/posts/${id}
5. Delete item - **DELETE -** https://jsonplaceholder.typicode.com/posts/${id}

The application needs to have three pages/routes, a **home, create,** and one for **item details**. The home page needs to display a list of items provided by API (**1.**) and it should have a create button in the header. Clicking on create, the user should be redirected to create the page, with the form which he can create a new item from it. The form should contain a **title** and **description** (body) inputs. Clicking on the save button should create a new item and redirect the user to the home page.

The second part is, that when the user clicks on the specified item from the home page list, it should be redirected to the details page and the router should look something like /details/1.

On the details page, a new API should be called (**2.**) which will return data for a specific item that needs to be displayed inside a form. That page should also contain two buttons/icons one for **update** and the second for **delete.** The update should update the item using API (**4.**) with provided data from the form. The delete button should remove the item using API (**4.**) and when the item is removed, the user needs to be redirected to the home page.

Important: Resource will not be really updated on the server but it will be faked as if.
Please make sure that you are using Typescript because all our projects are in Typescript.

Bonus: Use React UI Component Libraries - preferable https://mui.com/