

Angular Quiz

The main goal of the task is to show your skills in the best way possible. Please use proper styling, animation, and caching.

- UI libraries such as Angular Material are allowed.

Task

Your task is to create a new Angular 9+ project using the Angular CLI. The project should have a page with a header and a paginated list of users, which should be horizontally centered on the page.

To fetch user data, you will use the following HTTP endpoint: `https://reqres.in/api/users?page={page}`. This endpoint provides data for each user card, including the avatar image, first name, last name, and id. Additionally, you can request data for a single user using the endpoint: `https://reqres.in/api/users/{id}`.

When a user clicks on a card, it should navigate to a new page that displays detailed information about that user.

The header of the page should include an instant search field without a button. Users should be able to search for a specific user by their id. If the user exists, the search result should be displayed, along with the ability to navigate to the user's details page.

On each individual card page, a back button should be present to allow users to easily return to the previous page.

To optimize performance, introduce caching mechanisms to avoid making additional requests for previously fetched data.

Lastly, include a loading bar or spinner to indicate the presence of pending network requests and provide a better user experience.

Note: Make sure to adhere to Angular best practices, follow the recommended project structure, and utilize appropriate Angular modules and components for the implementation.

Required Files:

1. Github/Gitlab link, or a zipped project file.