


2. Angular: Customer Search using pipe

Create a Customer Search component, as shown below:

 Customer Search

Name	Age	Location	Gender	Income
Jeremy Clarke	21	Seattle	Male	\$120,000
Matty Bing	25	Florida	Female	\$950,000
John Smith	25	Philadephia	Male	\$200,000
Adam Gilly	32	Denver	Male	\$2,200,000

Erica Edwards

25

Portland

Female

\$2,200,000

The component must have the following functionalities:

- The component receives a prop *customers*, which is an array of objects, where each object is of *Customer* type which has below interface:

```
interface Customer {  
  name: string;  
  gender: string;  
  location: string;  
  income: string;  
  age: string;  
  id: number;  
}
```

- The component renders the following:
 - One text input field where the user can type the *search* string.

- The list of searched customers in tabular format inside the table body `<tbody data-test-id="searched-customers"></tbody>`. Each searched customer is rendered as an individual row in the table (in the order they are given in props).
- Initially, the input is empty. Whenever the input is empty, all the customers passed in the props must be rendered in the list.
- As soon as the *search* string is typed in the input, search for customer records that **contains** the search term *in **any field***. For example, if the search term is "Phil", then records with the name "Philip Anderson" and the location "Philadelphia" should be displayed in the results. *The searched list should preserve the order customers are given in props.*
- **If the *search* string has no searched customers**, then do not render the table but instead render `<div data-test-id="no-result">No Results Found</div>`. Please note that this element must be rendered only when the result is empty and table is not rendered. Therefore, this div must not be rendered initially on component mount.
- Please note that tests do not test for case-insensitive scenario.

The following data-test-id attributes are required in the component for the tests to pass:

- The search input must have the data-test-id attribute 'app-input'.
- The table `<tbody>` must have the data-test-id attribute 'searched-customers'.
- The 'No Results Found' div must have the data-test-id attribute 'no-result'.

Please note that the component has the above data-test-id attributes for test cases and certain classes and ids for rendering purposes. They should not be changed.

Software Instructions

The question(s) requires **Node 8 LTS or above**.

- [Download & Install Node.JS](#)

Git Instructions

Use the following commands to work with this project

Run

Copy

```
bash bin/env_setup && . $HOME/.nvm/nvm.sh && npm start
```

Test

Copy

```
bash bin/env_setup && . $HOME/.nvm/nvm.sh && npm test
```

Install

Copy

```
bash bin/env_setup && . $HOME/.nvm/nvm.sh && npm install
```

