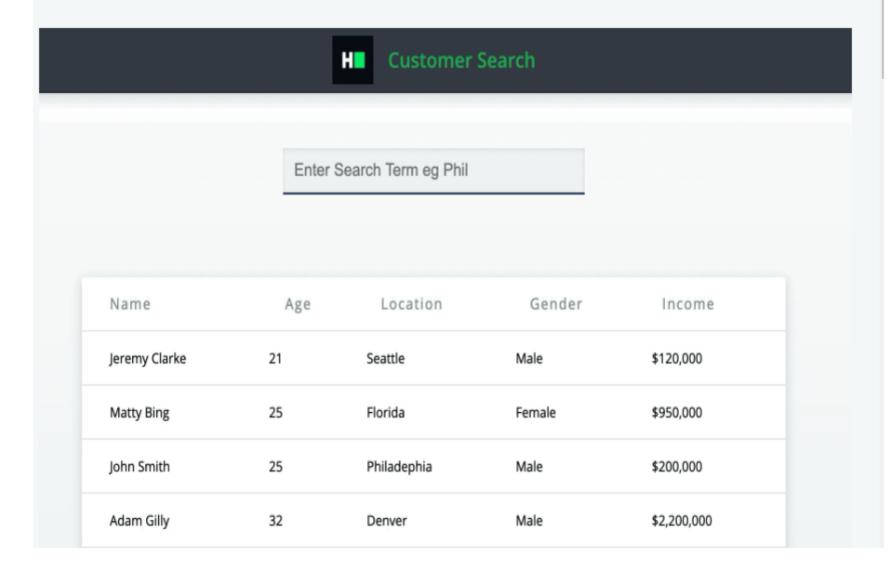
2. Angular: Customer Search using pipe

Create a Customer Search component, as shown below:



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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 . 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 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

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

Test

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

Install

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