****src/cities.js:****

export default [

'Agra',

'Allahabad',

'Aligarh',

'Ambedkar Nagar',

'Auraiya',

'Azamgarh',

'Barabanki',

'Bijnor',

'Ballia',

'Banda',

'Nagar',

'Etawah',

'Firozabad',

'Farrukhabad',

'Fatehpur',

'Faizabad',

'Gautam Buddh Nagar',

'Gonda',

'Ghazipur',

'Gorakhpur',

'Dibang Valley',

'Upper Siang',

'Upper Subansiri',

'West Kameng',

'Udalguri',

'Araria',

'Arwal',

'Aurangabad',

'Banka',

'South Delhi',

'South West Delhi',

'West Delhi',

];

# **Create a component “TypeAheadDropDown.js”:**

// TypeAheadDropDown.js

import './TypeAheadDropDown.css'

import React from 'react';

export default class TypeAheadDropDown extends React.Component {

constructor(props) {

super(props);

this.state = {

suggestions: [],

text:''

}

}

onTextChange = (e) => {

const {iteams} = this.props;

let suggestions = [];

const value = e.target.value;

if (value.length > 0) {

const regex = new RegExp(`^${value}`, `i`);

suggestions = iteams.sort().filter(v => regex.test(v));

}

this.setState(() => ({

suggestions,

text:value

}));

}

suggestionSelected=(value)=>{

this.setState(()=>({

text:value,

suggestions:[]

}))

}

renderSuggestions = () => {

const { suggestions } = this.state;

console.log("suggestions :",suggestions);

if (suggestions.length === 0) {

return null;

}

return (

<ul>

{suggestions.map(city => <li key={city} onClick={(e)=>this.suggestionSelected(city)}>{city}</li>)}

</ul>

)

}

render() {

const {text}=this.state

return (

<div className="TypeAheadDropDown">

<input onChange={this.onTextChange} placeholder="Search city name" value={text} type="text" />

{this.renderSuggestions()}

</div>

);

}

}

Now it’s time to create our component, create a file “TypeAheadDropDown.js” inside “src” folder and write the below code:

src/TypeAheadDropDown.js:

# **Design our TypeAheadDropDown:**

Let’s write some CSS to design our component, create a file “TypeAheadDropDown.css” in “src” folder, and write the below codes:

.TypeAheadDropDown{

width: 100%;

border: 1px solid gray;

box-shadow: 0 0 1px rgba(0,0,0,0.1), 0 2px 4px 1px rgba(0,0,0, .18);

font-family: Arial, Helvetica, sans-serif;

font-size: 14px;

color: rgba(0, 0, 0, 0.73);

}

.TypeAheadDropDown input{

width: 100%;

border: none;

font-family: Arial, Helvetica, sans-serif;

font-size: 14px;

color: rgba(0, 0, 0, 0.73);

padding: 10px 5px ;

box-sizing: border-box;

outline: none;

}

.TypeAheadDropDown ul::before{

content: '';

}

.TypeAheadDropDown ul{

list-style-type: none;

text-align: left;

margin: 0;

padding: 0;

border-top: 1px solid gray;

}

.TypeAheadDropDown li{

padding: 10px 5px ;

cursor: pointer;

}

.TypeAheadDropDown li:hover{

background: lightgray;

text-decoration: underline;

}

.App{

margin: 150px auto 0 auto;

width: 600px;

}

Now our component is created, Now its time to use our component in our main app.

# **Use the component in the app:**

in the App.js file, we will import our component and use it. See the below code:

import React from 'react';

import './App.css';

import TypeAheadDropDown from './TypeAheadDropDown';

import cities from './indianCities.js'

function App() {

return (

<div className="App">

<TypeAheadDropDown iteams={cities} />

</div>

);

}

export default App;

src/App.js:

# **Run the project:**

Let’s run this app, Open browser, and hit URL “localhost:3000” and see the result. You are now able to search the cities and see the suggest result as:

