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***R.No:08***

Q.

TODO app

required = > textbox, button to add todo, list to display the todos.

remove functionality

optional

styling

parent child components

(button,input,list), add the description

**index.html:**

<!doctype html>

<html lang="en">

<head>

<title>Todo List</title>

</head>

<body>

<div id="container">

</div>

</body>

</html>

**Index.css:**

body {

padding: 50px;

background-color: #66CCFF;

font-family: sans-serif;

}

#container {

display: flex;

justify-content: center;

}

**Index.js:**

import React from "react";

import ReactDOM from "react-dom";

import "./index.css";

import TodoList from "./TodoList";

var destination = document.querySelector("#container");

ReactDOM.render(

<div>

<TodoList/>

</div>,

destination

);

**TodoList.js:**

import React, { Component } from "react";

import TodoItems from "./TodoItems";

import "./TodoList.css";

class TodoList extends Component {

render() {

return (

<div className="todoListMain">

<div className="header">

<form onSubmit={this.addItem}>

<input ref={(a) => this.\_inputElement = a}

placeholder="enter task">

</input>

<button type="submit">add</button>

</form>

</div>

<TodoItems entries={this.state.items}/>

</div>

);

}

}

export default TodoList;

class TodoList extends Component {

render() {

return (

<div className="todoListMain">

<div className="header">

<form onSubmit={this.addItem}>

<input placeholder="enter task">

</input>

<button type="submit">add</button>

</form>

</div>

</div>

);

}

}

class TodoList extends Component {

constructor(props) {

super(props);

this.addItem = this.addItem.bind(this);

}

addItem(e) {

if (this.\_inputElement.value !== "") {

var newItem = {

text: this.\_inputElement.value,

key: Date.now()

};

this.setState((prevState) => {

return {

items: prevState.items.concat(newItem)

};

});

this.\_inputElement.value = "";

}

console.log(this.state.items);

e.preventDefault();

}

}

constructor(props) {

super(props);

this.state = {

items: []

};

this.addItem = this.addItem.bind(this);

}

**TodoItems.js:**

import React, { Component } from "react";

class TodoItems extends Component {

createTasks(item) {

return <li key={item.key}>{item.text}</li>

}

render() {

var todoEntries = this.props.entries;

var listItems = todoEntries.map(this.createTasks);

return (

<ul className="theList">

{listItems}

</ul>

);

}

};

export default TodoItems;

***TodoList.css :***

.todoListMain .header input {

padding: 10px;

font-size: 16px;

border: 2px solid #FFF;

width: 165px;

}

.todoListMain .header button {

padding: 10px;

font-size: 16px;

margin: 10px;

margin-right: 0px;

background-color: #0066FF;

color: #FFF;

border: 2px solid #0066FF;

}

.todoListMain .header button:hover {

background-color: #003399;

border: 2px solid #003399;

cursor: pointer;

}

.todoListMain .theList {

list-style: none;

padding-left: 0;

width: 250px;

}

.todoListMain .theList li {

color: #333;

background-color: rgba(255,255,255,.5);

padding: 15px;

margin-bottom: 15px;

border-radius: 5px;

list-style: none;

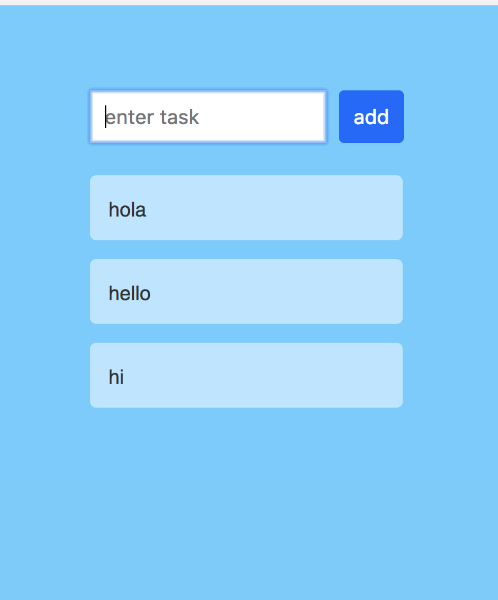
}

ul.theList {

padding: 0;

}

**Output:**

****