

717821E206

Mini Project

Week-6

TaskList :

```
import React from "react";

import Task from "../Task";

function TaskList({ tasks, removeTask, selectTask }) { return (

  <div>

    <h2>Task List</h2>

    {tasks.map((task) => (

      <Task

        key={task.id}

        task={task}

        removeTask={removeTask}

        selectTask={selectTask}

      />

    ))}

  </div>
```

```
);  
  
}  
  
export default TaskList;
```

Task.js :

```
import React from "react";  
  
function Task({ task, removeTask, selectTask }) { const handleRemove = ()  
=> {  
  
  removeTask(task.id);  
  
};  
  
  const handleSelect = () => {  
  
    selectTask(task);  
  
  };  
  
  return (  
  
    <div>  
  
      <h3>{task.title}</h3>  
  
      <p>{task.description}</p>  
  
      <button onClick={handleRemove}>Delete</button> <button  
onClick={handleSelect}>Edit</button> </div>
```

```
);  
  
}  
  
export default Task;
```

AddForm.js :

```
import React, { useState } from "react";  
  
function AddForm({ addTask }) {  
  
  const [title, setTitle] = useState("");  
  
  const [description, setDescription] = useState("");  
  
  const handleSubmit = (e) => {  
  
    e.preventDefault();  
  
    const task = {  
  
      id: Math.floor(Math.random() * 10000),  
  
      title,  
  
      description,  
  
    };  
  
    addTask(task);  
  
    setTitle("");  
  
  }  
}
```

```
setDescription("");

};

return (

<div>

<h2>Add Task</h2>

<form onSubmit={handleSubmit}>

<label>

Title:

<input

type="text"

value={title}

onChange={ (e) => setTitle(e.target.value)} />

</label>

<br />

<label>

Description:

<textarea

value={description}

onChange={ (e) => setDescription(e.target.value)}


```

```

/>

</label>

<br />

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

</form>

</div>

);

}

export default AddForm;

```

UpdateTask :

```

import React, { useState, useEffect } from "react";

function UpdateTask({ selectedTask, updateTask, setSelectedTask }) {
  const [title, setTitle] = useState("");

  const [description, setDescription] = useState("");

  useEffect(() => {
    setTitle(selectedTask.title);
    setDescription(selectedTask.description);
  }, [selectedTask]);

  const handleSubmit = (e) => {
    e.preventDefault();

    const updatedTask = {
      id: selectedTask.id,

```

```

    title,
    description,
  };
  updateTask(selectedTask.id, updatedTask);
  setSelectedTask(null);
};

return (
  <div>
    <h2>Update Task</h2>
    <form onSubmit={handleSubmit}>
      <label>
        Title:
        <input
          type="text"
          value={title}
          onChange={(e) => setTitle(e.target.value)}
        />
      </label>
      <br />
      <label>
        Description:
        <textarea
          value={description}
          onChange={(e) => setDescription(e.target.value)} />
      </label>
      <br />
      <button type="submit">Update</button>
      <button onClick={() => setSelectedTask(null)}>Cancel</button> </form>
    </div>
  );
}

export default UpdateTask;

```

App.js :

```
import React, { useState } from "react";
import TaskList from "../components/TaskList";
import AddForm from "../components/AddForm";
import UpdateTask from "../components/UpdateTask"; function App() {
  const [tasks, setTasks] = useState([]);
  const [selectedTask, setSelectedTask] = useState(null); const addTask =
  (task) => {
    setTasks([...tasks, task]);
  };
  const removeTask = (id) => {
    setTasks(tasks.filter((task) => task.id !== id));
  };
  const selectTask = (task) => {
    setSelectedTask(task);
  };
  const updateTask = (id, updatedTask) => {
    setTasks(tasks.map((task) => (task.id === id ? updatedTask : task)));
    setSelectedTask(null);
  };
  return (
    <div>
      <h1>Task Manager</h1>
      <TaskList tasks={tasks} removeTask={removeTask} selectTask={selectTask} />
      <AddForm addTask={addTask} />
      {selectedTask && (
        <UpdateTask
          selectedTask={selectedTask}
          updateTask={updateTask}
          setSelectedTask={setSelectedTask}
        />
      )}
    </div>
  );
}
```

```
) }  
</div>  
);  
}  
  
export default App;
```

Output:

Task Manager

Task List

Register

Fill your details

Delete Edit

Add Task

Title:

Description:

Add

Update Task

Title:

Description:

Update Cancel