

## MiniProject 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>
);
}
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