TRAINOSYS

REACTJS & TYPESCRIPT

Day 3

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Course Overview

- Introduction to ReactJS and TypeScript (Day 1)
- React Component Development (Day 2)
- React Routing and Data Fetching (Day 3)
- State Management with Redux and TypeScript (Day 4)
- Advanced TypeScript and Project Development (Day 5)

Program

Day 02

- Recap of React component structure and lifecycle methods
- Creating functional components with TypeScript
- Working with props and prop types in TypeScript
- State management in React components using hooks with TypeScript
- Building a simple React component with TypeScript
- Handling events and form inputs in TypeScript-based components

Day 03

- Introduction to React Router for handling client-side routing
- Configuring routes in a TypeScript-based React Application
- Navigating between different routes with React Router
- Fetching data from APIs using TypeScript and React
- Displaying data fetched from an API in React components

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RECAP

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REACT ROUTER

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Multi-page applications

- Multiple HTML files, browser handles navigation
- Server-side processing is common
- Full page refresh during navigation
- Suitable for content-heavy websites
- Easier for beginners

Single-Page Applications (SPAs)

- Single HTML file, React handles navigation
- Client-side rendering using JavaScript frameworks
- Dynamic navigation within the same page
- Smoother user experience after initial load
- Great for interactive web applications
- SEO challenges, but improving
- App-like, seamless user experience

React Router Package

- You can use a package to make a Single Page Application in React
- npm install react-router-dom

React Router Example Code

```
import { BrowserRouter, Route, Routes } from 'react-router-dom';


<BrowserRouter>
  <Routes>
    <Route path="/" component={HomePage} />
    <Route path="/shop" component={ShopPage} />
    <Route path="/cart" component={CartPage} />
  </Routes>
</BrowserRouter>
```

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Generate a new project

npm create vite@latest / npm create vite@4.1.0

Generate a new project

- ❑ Project Name: pokedex-react-router
- ❑ > React
- ❑ > TypeScript
- ❑ > cd pokedex-react-router

Install packages

React Router Dom and Axios

```
npm install react-router-dom axios
```

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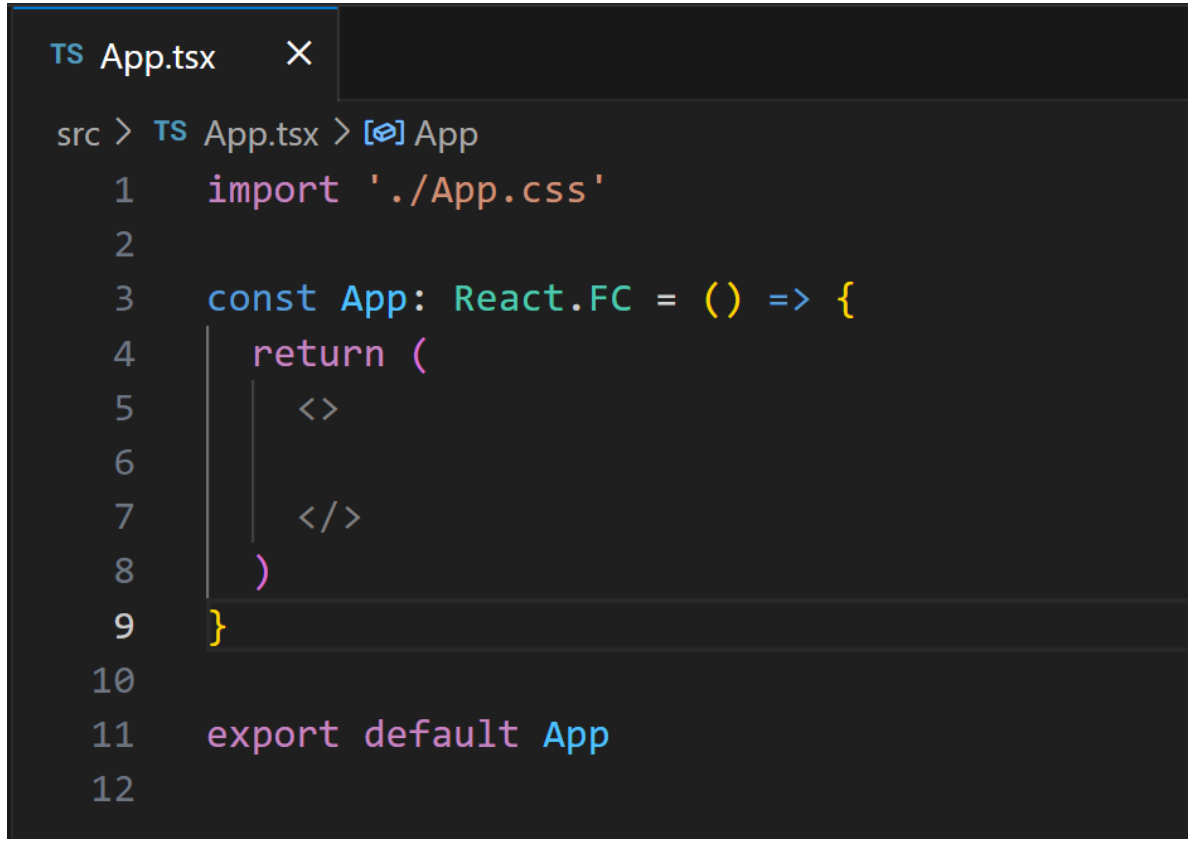
Generate a new project

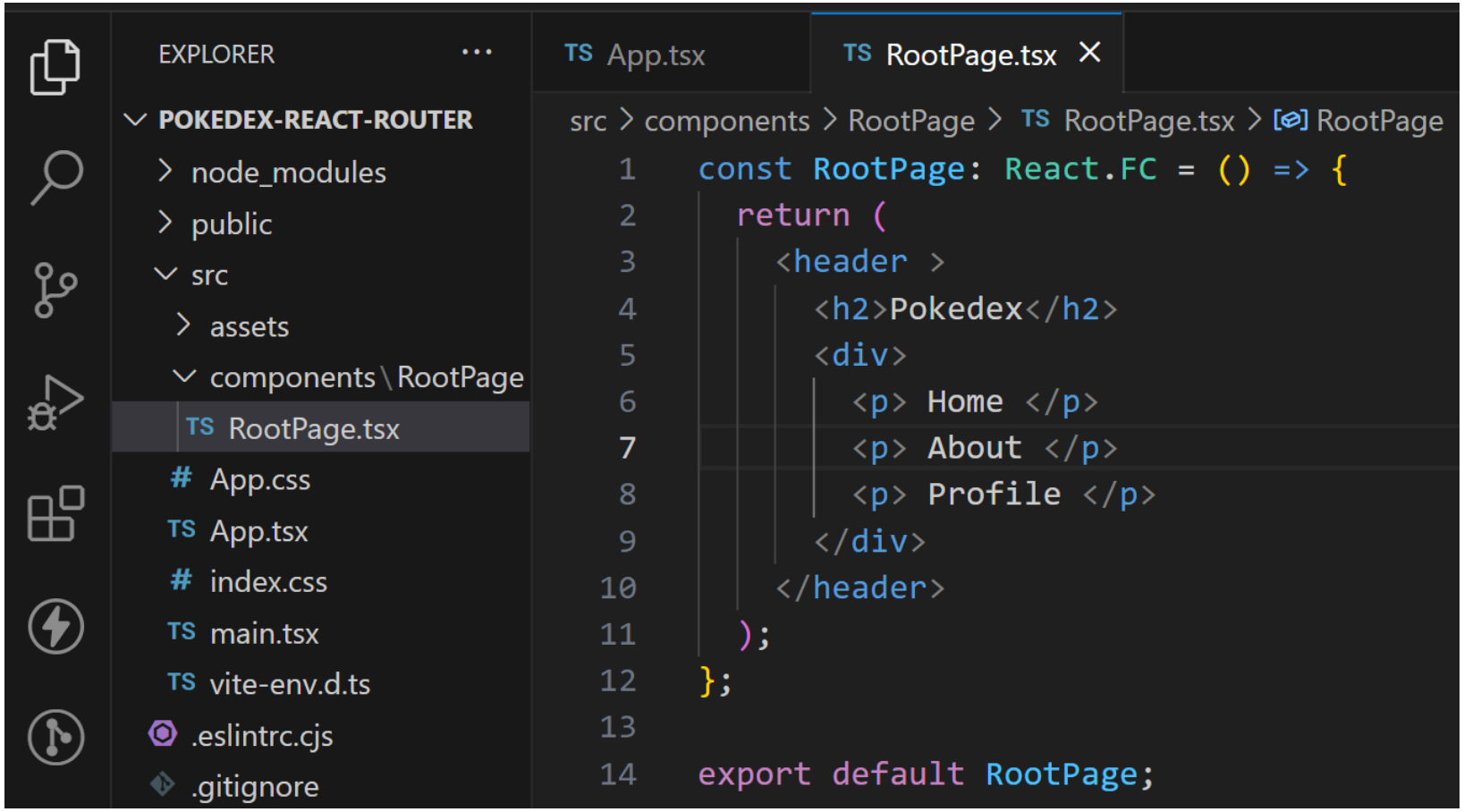
- > npm run dev

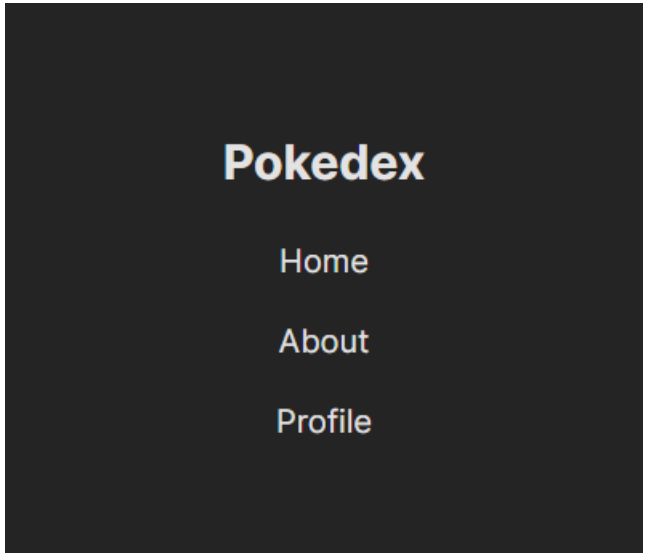
Delete jsx in App.tsx and other unnecessary lines of code

TRAINOSYS

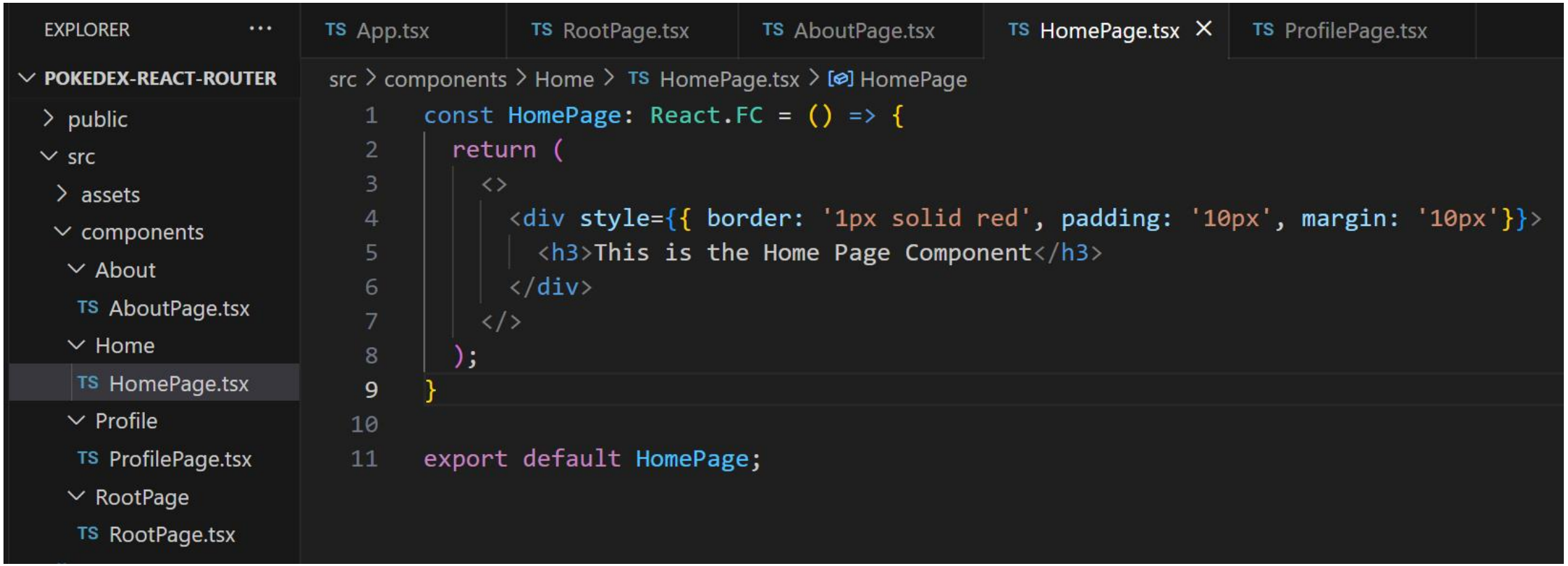


Create components folder, *RootPage* folder and *<RootPage />*

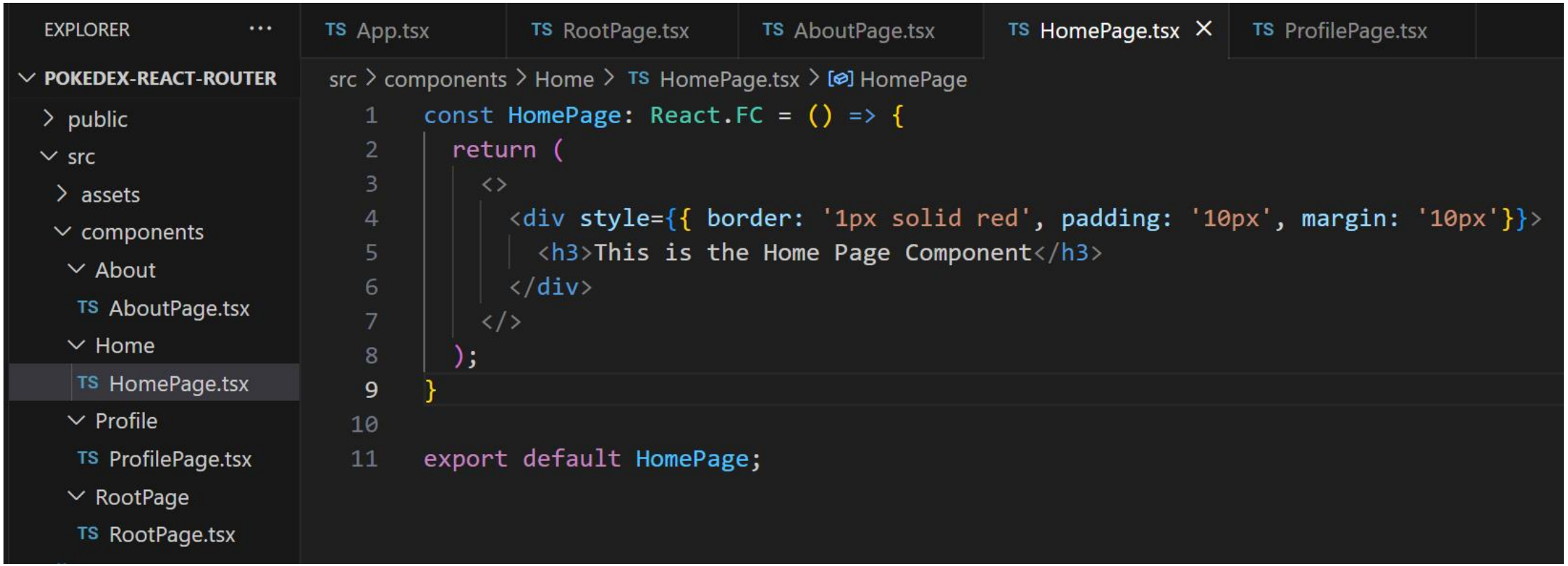




Create folders and files for *<Home />, <About /> and <Profile />*



Create folders and files for *<Home />, <About /> and <Profile />*



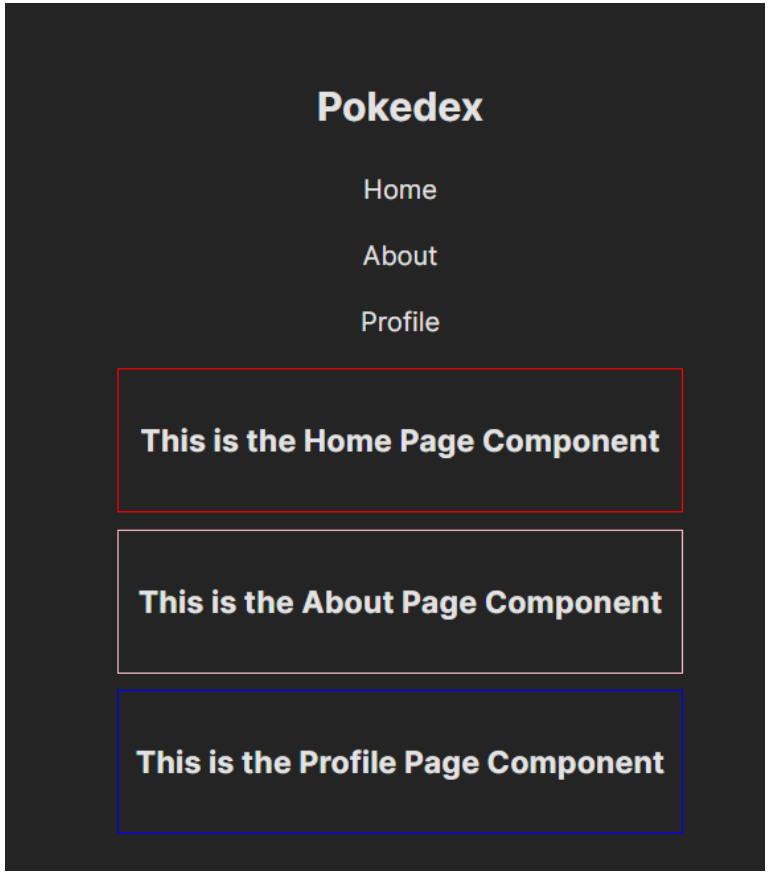
Import components in App.tsx

TRAINOSYS

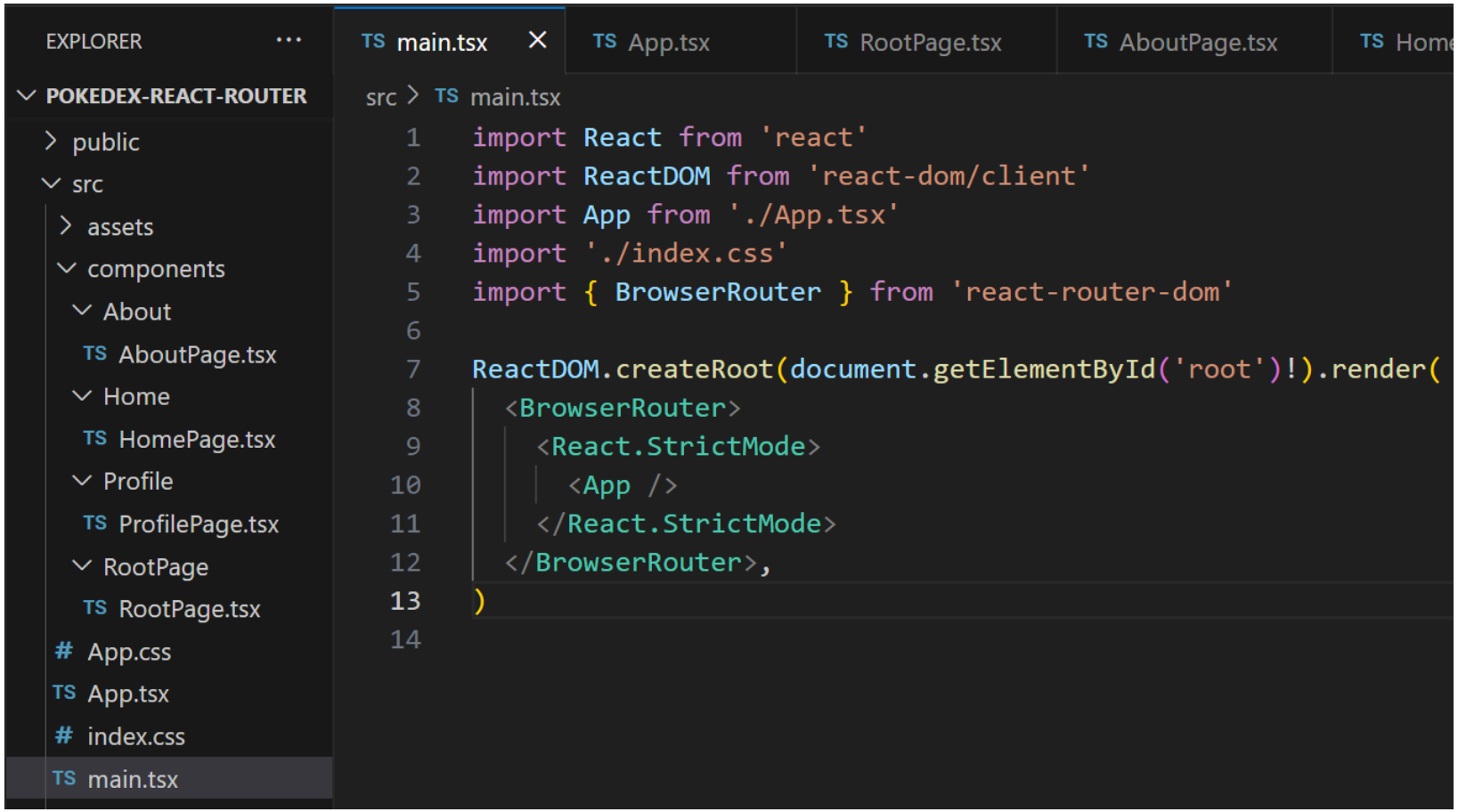
App.tsx | RootPage.tsx | AboutPage.tsx | HomePage.tsx | ProfilePage.tsx

src > App.tsx > App

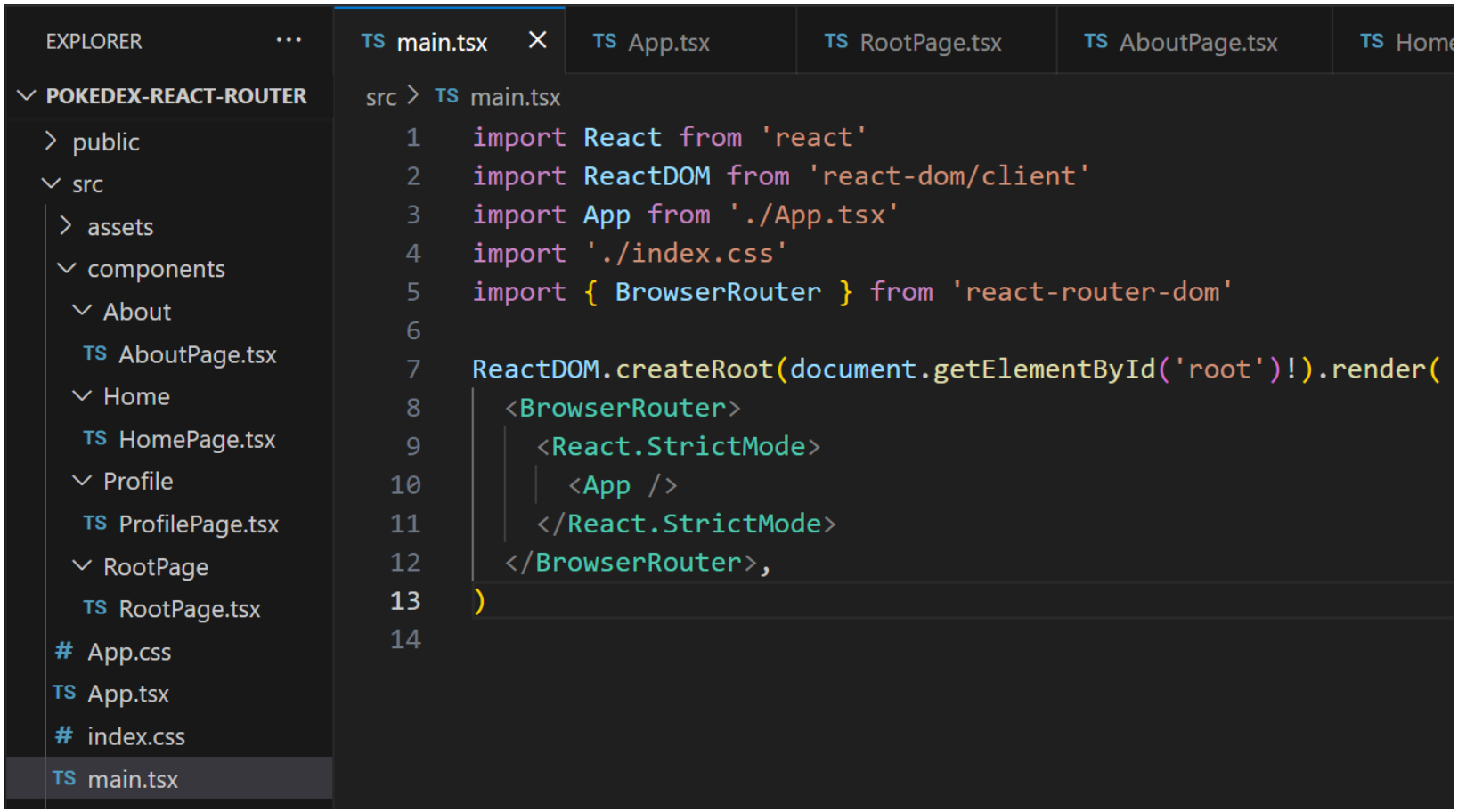
```tsx
import RootPage from './components/RootPage/RootPage'
import HomePage from './components/Home/HomePage'
import AboutPage from './components/About/AboutPage'
import ProfilePage from './components/Profile/ProfilePage'
import './App.css'

const App: React.FC = () => {
  return (
    <>
      <RootPage />
      <HomePage />
      <AboutPage />
      <ProfilePage />
    </>
  )
}

export default App
```



Import { BrowserRouter } in main.tsx



Import { BrowserRouter } in main.tsx



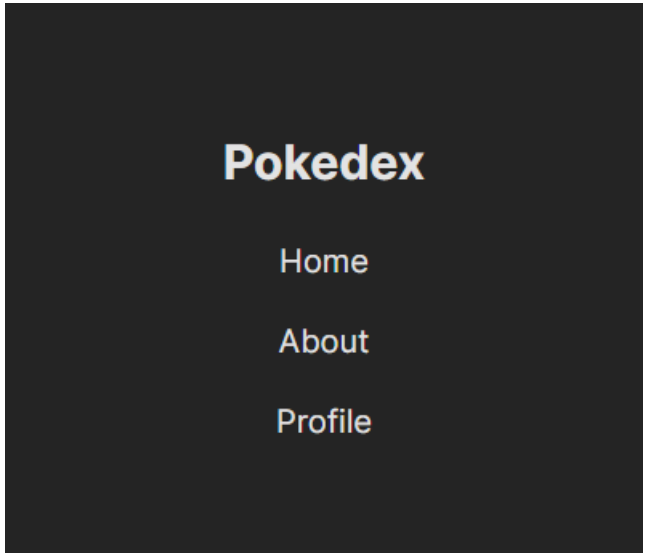
In you App.tsx import { Routes, Route } from react-router-dom

TRAINOSYS

main.tsx | App.tsx | RootPage.tsx | AboutPage.tsx | HomePage.tsx

src > App.tsx > App

```tsx
import RootPage from './components/RootPage/RootPage'
import HomePage from './components/Home/HomePage'
import AboutPage from './components/About/AboutPage'
import ProfilePage from './components/Profile/ProfilePage'
import { Route, Routes } from "react-router-dom";
import './App.css'

const App: React.FC = () => {
  return (
    <>
      <Routes>
        <Route path="/" element={<RootPage />}>
          <Route path="/home" element={<HomePage />} />
          <Route path="/about" element={<AboutPage />} />
          <Route path="/profile" element={<ProfilePage />} />
        </Route>
      </Routes>
    </>
  )
}

export default App
```



In your <RootPage /> component, import { Link, Outlet } from react-router-dom

TRAINOSYS

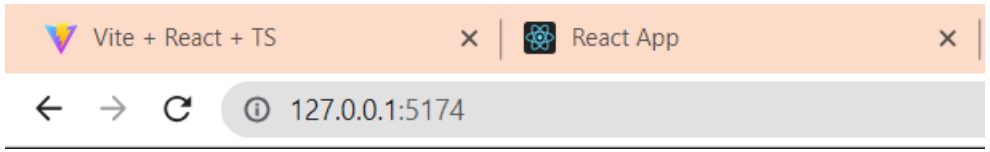
main.tsx | App.tsx | RootPage.tsx | AboutPage.tsx

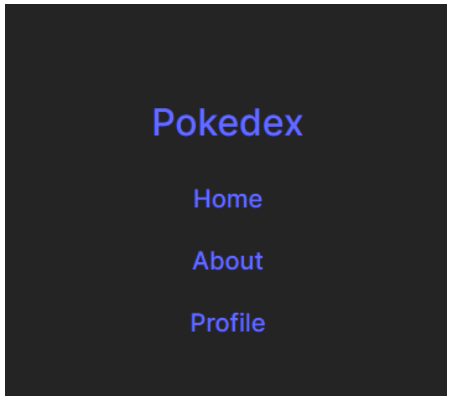
src > components > RootPage > RootPage.tsx > RootPage

```tsx
import { Link, Outlet } from 'react-router-dom';

const RootPage: React.FC = () => {
  return (
    <header >
      <h2>
        <Link to="/">Pokedex</Link></h2>
      <div>
        <p>
          <Link to="/home">Home</Link>
        </p>
        <p>
          <Link to="/about">About</Link>
        </p>
        <p>
          <Link to="/profile">Profile</Link>
        </p>
      </div>
      <main>
        <Outlet />
      </main>
    </header>
  );
};

export default RootPage;
```





In your <RootPage /> component, import { Link, Outlet } from react-router-dom

TRAINOSYS

main.tsx | App.tsx | RootPage.tsx | AboutPage.tsx

src > components > RootPage > RootPage.tsx > RootPage

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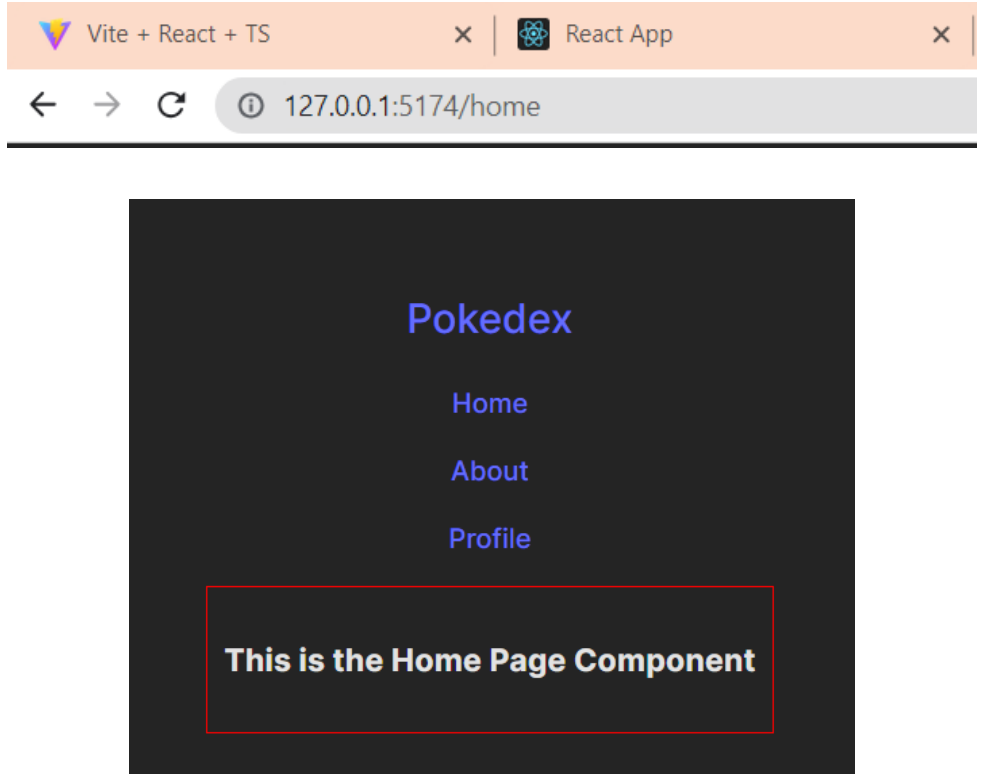
const RootPage: React.FC = () => {
  return (
    <header >
      <h2>
        <Link to="/">Pokedex</Link></h2>
      <div>
        <p>
          <Link to="/home">Home</Link>
        </p>
        <p>
          <Link to="/about">About</Link>
        </p>
        <p>
          <Link to="/profile">Profile</Link>
        </p>
      </div>
      <main>
        <Outlet />
      </main>
    </header>
  );
};

export default RootPage;
```



In your <RootPage /> component, import { Link, Outlet } from react-router-dom

TRAINOSYS

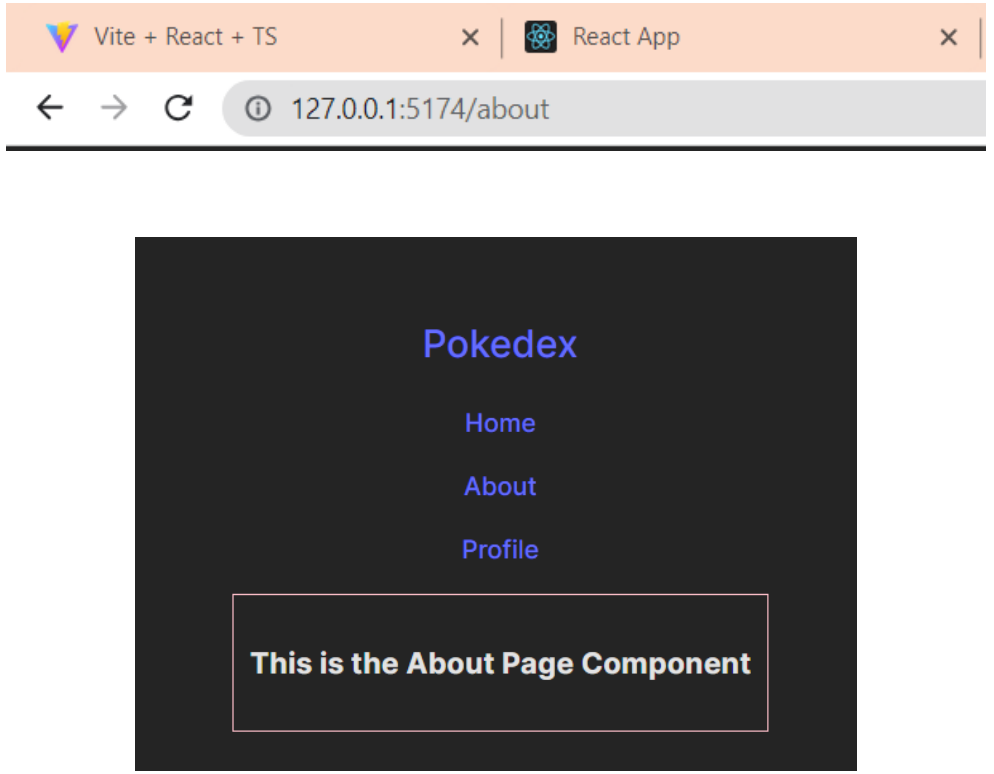
main.tsx | App.tsx | RootPage.tsx | AboutPage.tsx

src > components > RootPage > RootPage.tsx > RootPage

```tsx
import { Link, Outlet } from 'react-router-dom';

const RootPage: React.FC = () => {
  return (
    <header >
      <h2>
        <Link to="/">Pokedex</Link></h2>
      <div>
        <p>
          <Link to="/home">Home</Link>
        </p>
        <p>
          <Link to="/about">About</Link>
        </p>
        <p>
          <Link to="/profile">Profile</Link>
        </p>
      </div>
      <main>
        <Outlet />
      </main>
    </header>
  );
};

export default RootPage;
```



In your <RootPage /> component, import { Link, Outlet } from react-router-dom

TRAINOSYS

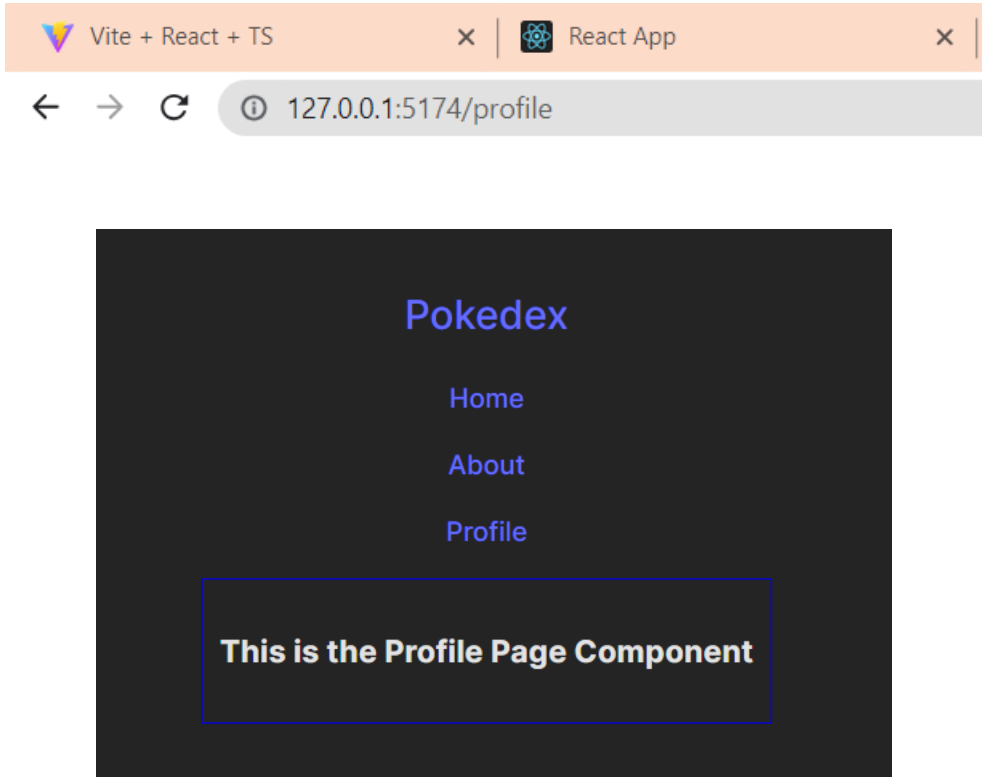
main.tsx | App.tsx | RootPage.tsx | AboutPage.tsx

src > components > RootPage > RootPage.tsx > RootPage

```tsx
import { Link, Outlet } from 'react-router-dom';

const RootPage: React.FC = () => {
  return (
    <header >
      <h2>
        <Link to="/">Pokedex</Link></h2>
      <div>
        <p>
          <Link to="/home">Home</Link>
        </p>
        <p>
          <Link to="/about">About</Link>
        </p>
        <p>
          <Link to="/profile">Profile</Link>
        </p>
      </div>
      <main>
        <Outlet />
      </main>
    </header>
  );
};

export default RootPage;
```



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FETCHING DATA VIA EXTERNAL API

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import { useState, useEffect } from ‘react;
import { axios } from ‘axios’

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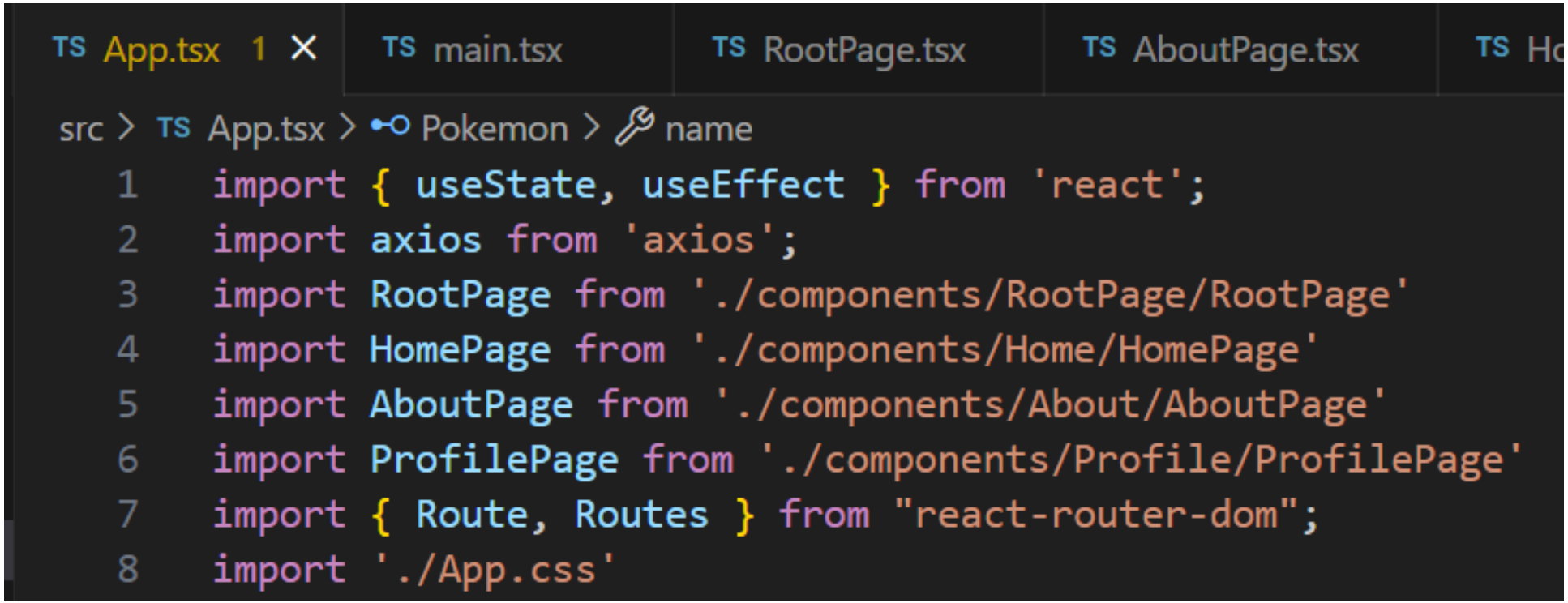


Create Interface Pokemon

TRAINOSYS

App.tsx | main.tsx | RootPage.tsx | AboutPage.tsx

src > App.tsx > App > useEffect() callback > fetchPokemonData > fetchedPok

```tsx
import { useState, useEffect } from 'react';
import axios from 'axios';
import RootPage from './components/RootPage/RootPage'
import HomePage from './components/Home/HomePage'
import AboutPage from './components/About/AboutPage'
import ProfilePage from './components/Profile/ProfilePage'
import { Route, Routes } from "react-router-dom";
import './App.css'

interface Pokemon {
  name: string;
  height: number;
  id: number;
  img: string;
  types: string[];
}
```

useState Hook

```
const App: React.FC = () => {

  const [pokemonList, setPokemonList] = useState<Pokemon[]>([]);
```

Our Pokemon API

https://pokeapi.co/api/v2/pokemon/?offset=0&limit=30

Fetching data via external API using useEffect() hook

TRAINOSYS

App.tsx | main.tsx | RootPage.tsx | AboutPage.tsx | HomePage.tsx | ProfilePage.tsx

src > App.tsx > App > useEffect() callback > fetchPokemonData > fetchedPokemonList

```tsx
const [pokemonList, setPokemonList] = useState<Pokemon[]>([]);

useEffect(() => {
  async function fetchPokemonData() {
    try {
      const response = await axios.get(
        "https://pokeapi.co/api/v2/pokemon/?offset=0&limit=30"
      );
      const results = response.data.results;
      const fetchedPokemonList: Pokemon[] = await Promise.all(
        results.map(async (pokemon: { url: string }) => {
          const pokemonDataResponse = await axios.get(pokemon.url);
          return {
            name: pokemonDataResponse.data.name,
            height: pokemonDataResponse.data.height,
            id: pokemonDataResponse.data.id,
            img: pokemonDataResponse.data.sprites.other.dream_world.front_default,
            types: pokemonDataResponse.data.types.map(
              (type: { type: { name: string } }) => type.type.name
            ),
          };
        })
      );
      setPokemonList(fetchedPokemonList);
    } catch (error) {
      console.error("Error fetching Pokemon data:", error);
    }
  }

  fetchPokemonData();
}, []);
```

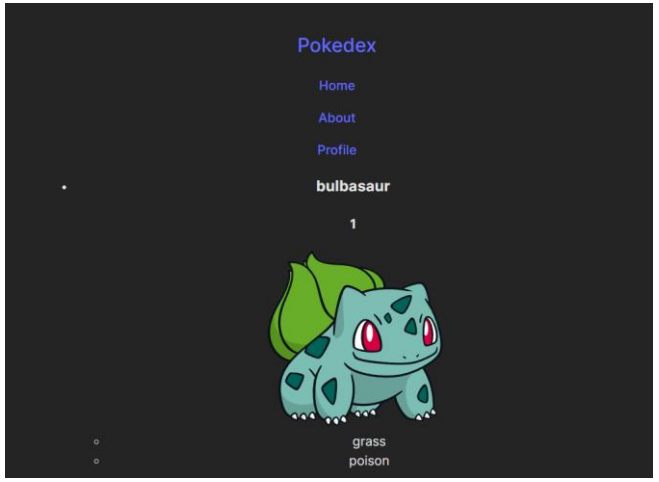
Create your own UI to render the pokemons

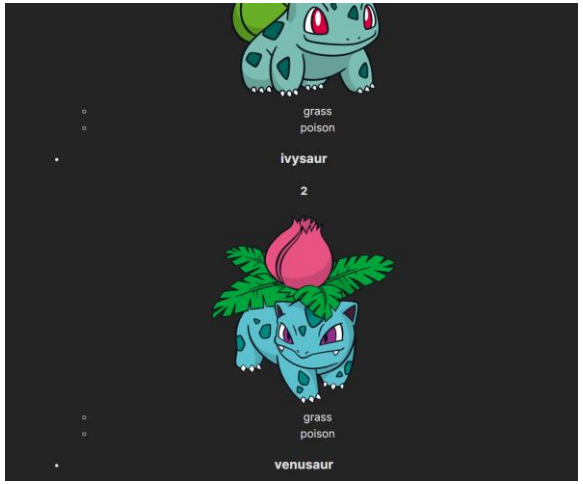
TRAINOSYS

App.tsx | main.tsx | RootPage.tsx | AboutPage.tsx | HomePage.tsx | ProfilePage.tsx

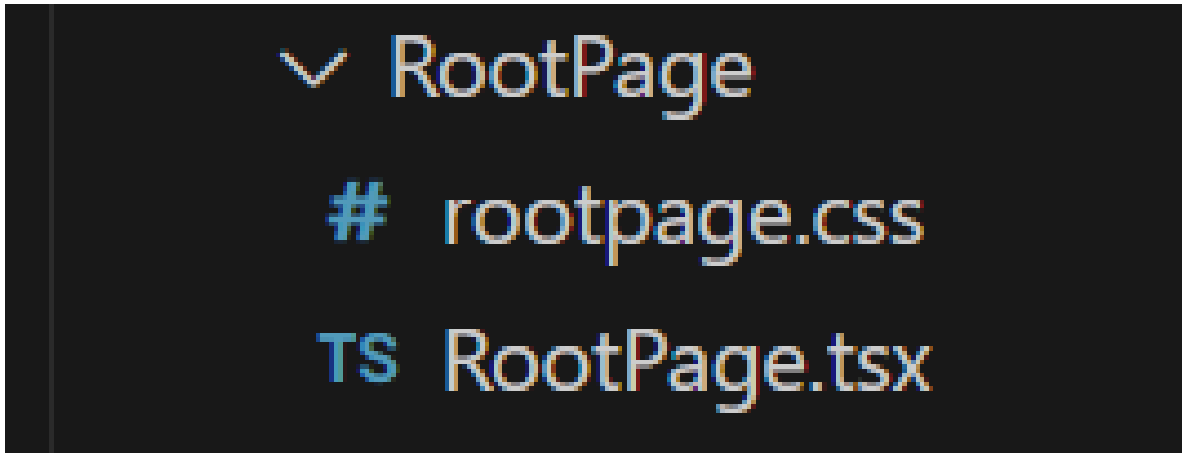
src > App.tsx > App > pokemonList.map() callback

```tsx
          </Route>
        </Routes>

        <section>
          <ul >
            {pokemonList.map((pokemon) => (
              <li>
                <div>
                  <h3 >{pokemon.name}</h3>

                  <h4 >{pokemon.id}</h4>
                </div>
                <div>
                  <img  src={pokemon.img} alt={pokemon.name} />
                </div>

                <ul >
                  {pokemon.types.map((type) => (
                    <li>{type}</li>
                  ))}
                </ul>

              </li>
            ))}
          </ul>
        </section>
      </>
    )
  }

  export default App
```

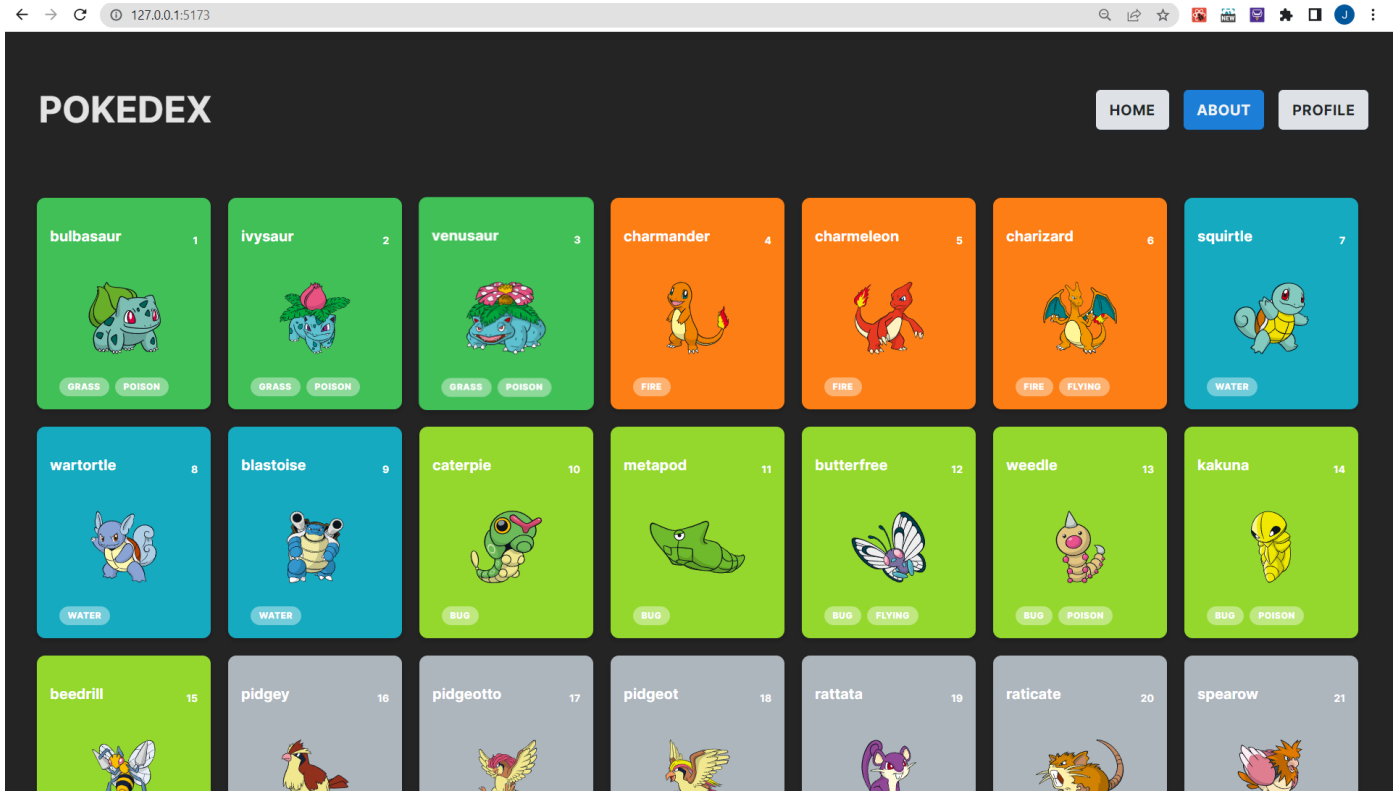




CSS



Sample UI


127.0.0.1:5173
POKEDEX
HOME
ABOUT
PROFILE
bulbasaur 1
GRASS POISON
ivysaur 2
GRASS POISON
venusaur 3
GRASS POISON
charmander 4
FIRE
charmeleon 5
FIRE
charizard 6
FIRE FLYING
squirtle 7
WATER
wartortle 8
WATER
blastoise 9
WATER
caterpie 10
BUG
metapod 11
BUG
butterfree 12
BUG FLYING
weedle 13
BUG POISON
kakuna 14
BUG POISON
beedrill 15
pidgey 16
pidgeotto 17
pidgeot 18
rattata 19
raticate 20
spearow 21

TRAINOSYS

ACTIVITY 1

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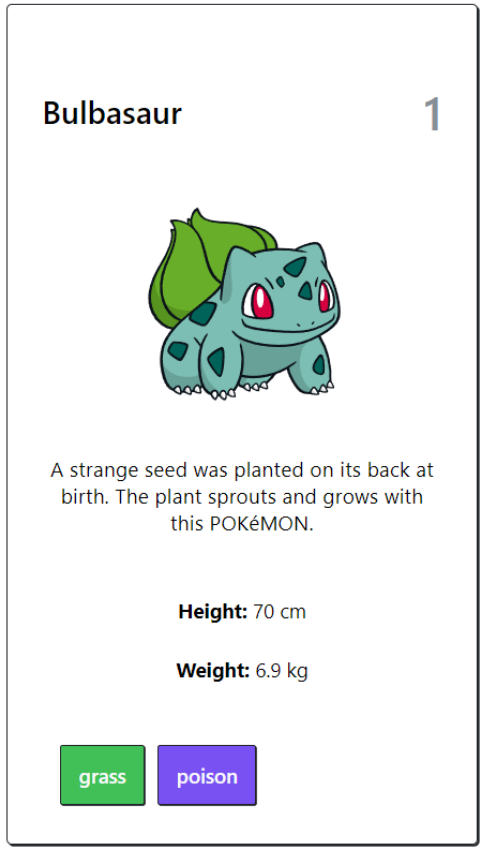
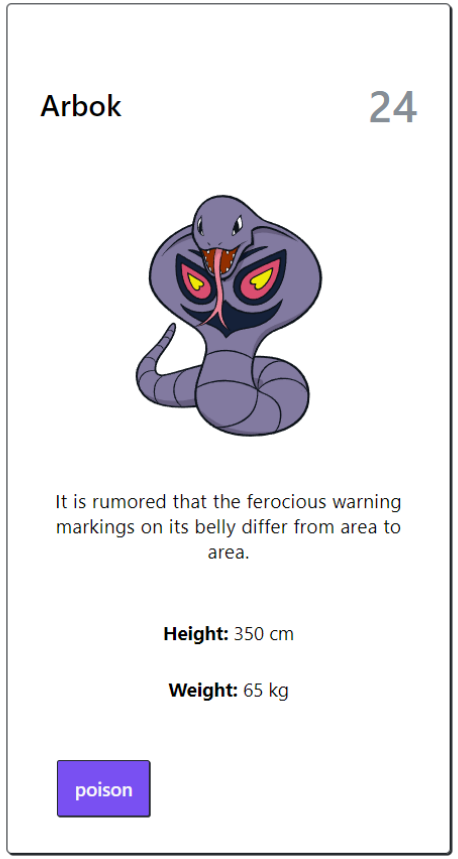
Activity 1

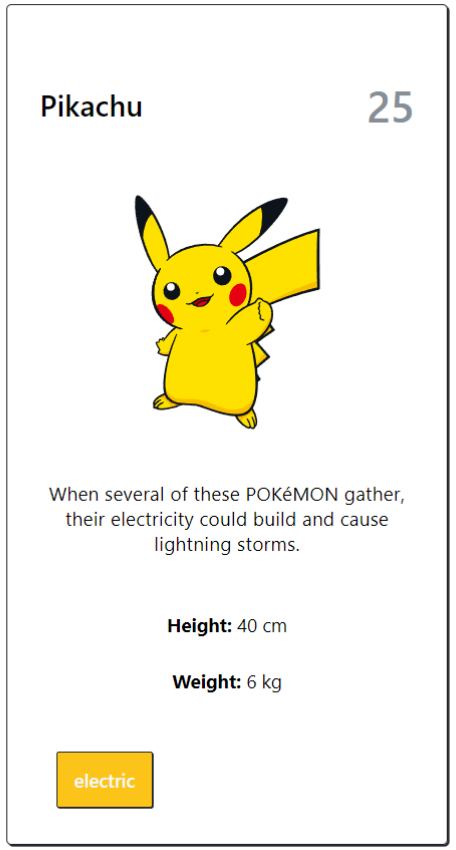
- ❑ Create a new project
- ❑ Project name: rts-d3-act-one

- ❑ Continue the React Router code along and make dynamic routes for each pokemon in the pokedex
- ❑ Create another <Pokemon /> component to render each pokemon

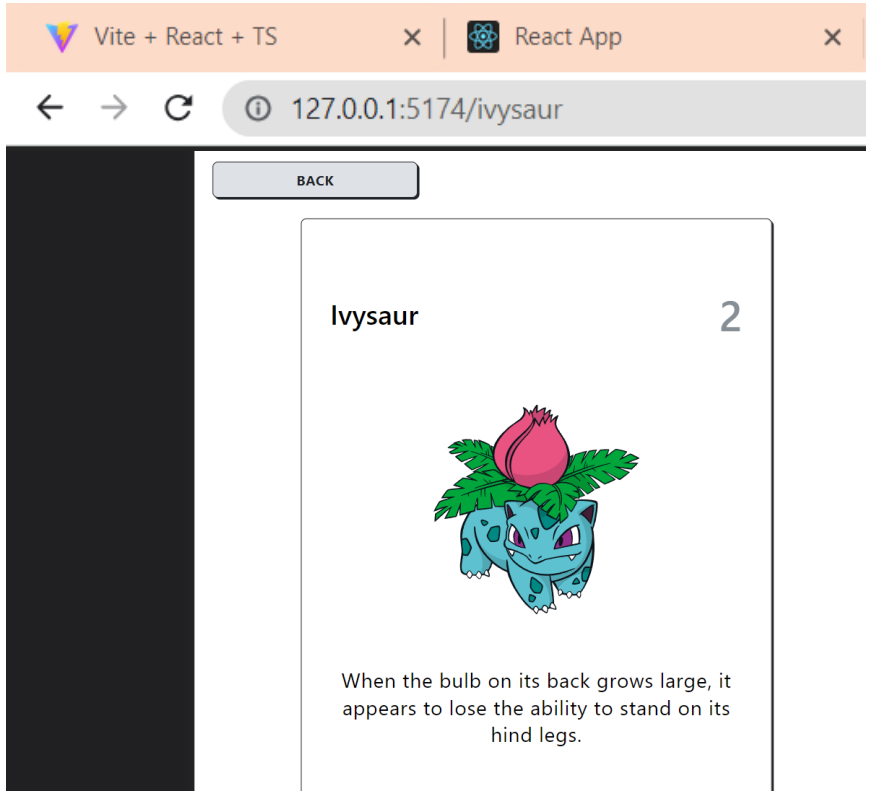
Expected Output

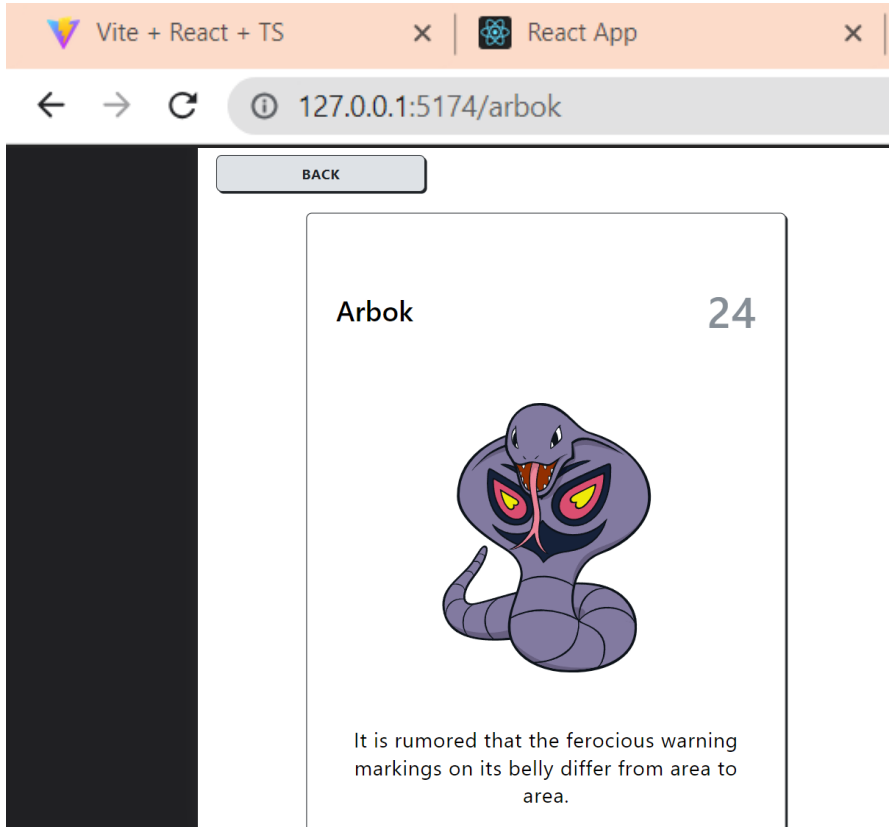






Expected Output





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GITLAB

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TRAINOSYS-EGIS

Subgroups and projects | Shared projects | Archived projects

Search | Name

A	Aira	Owner	0	0	1
C	Claire	Owner	0	0	1
F	Fred	Owner	0	0	1
G	Gerben	Owner	0	0	1
K	Karl	Owner	0	0	1
M	MJ	Owner	0	0	1
O	Owen	Owner	0	0	1
P	Pau	Owner	0	0	1
R	Racky	Owner	0	0	1
R	Raymark	Owner	0	0	1
R	Red	Owner	0	0	1
R	Roel	Owner	0	0	1
S	Sanch	Owner	0	0	1
S	Suzie	Owner	0	0	1
R	resources		★ 0		9 minutes ago

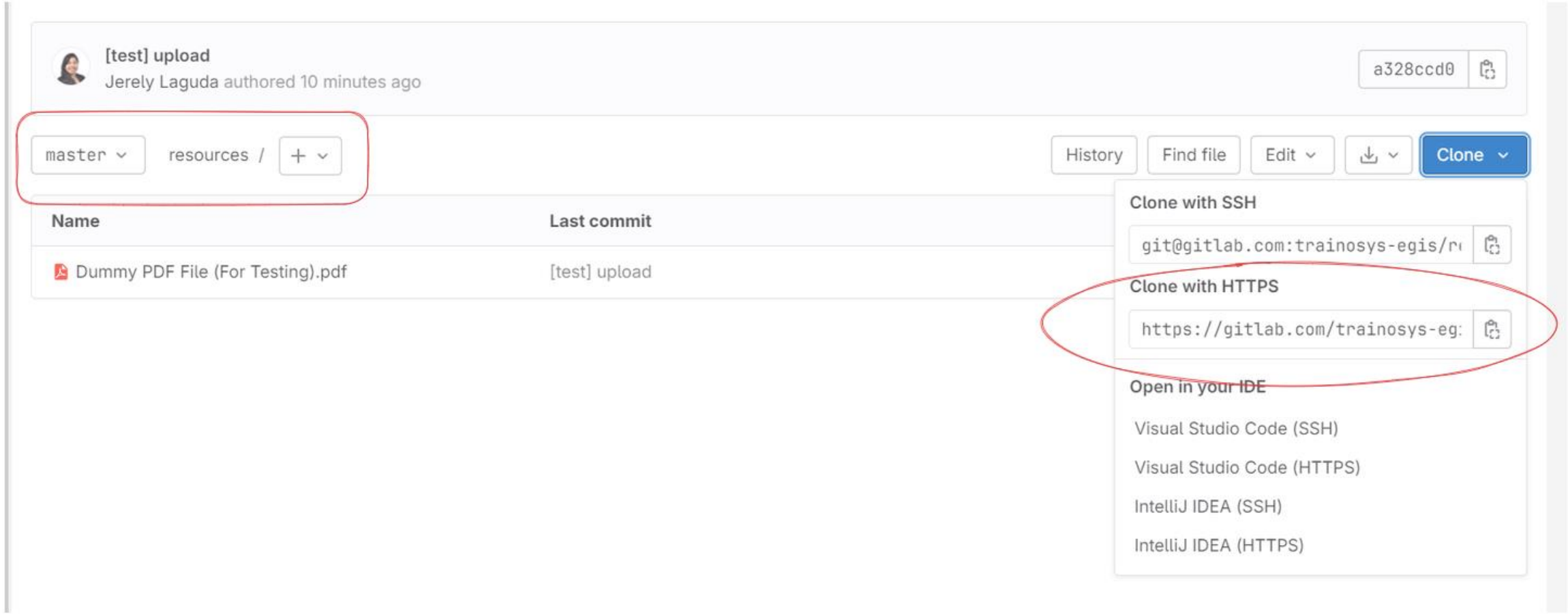
TRAINOSYS

Upload Activities (new folder)

- > git clone <repository url>
- Put all your activities inside
- In the root folder, open your terminal
- > git remote -v
- > git status
- > git add .
- > git commit –m “<commit message here>”
- > git push –set-upstream origin master
- > git push

Upload Activities (existing folder)

- Create new folder and put all your activities inside
- In the root folder, open your terminal
- > git init
- > git remote set-url origin <http-url>
- > git remote -v
- > git status
- > git add .
- > git commit –m “<commit message here>”
- > git push –set-upstream origin master


[test] upload
Jerely Laguda authored 10 minutes ago
a328ccd0
master
resources /
History
Find file
Edit
Clone
Name
Last commit
Dummy PDF File (For Testing).pdf
[test] upload
Clone with SSH
git@gitlab.com:trainosys-egis/r
Clone with HTTPS
https://gitlab.com/trainosys-eg
Open in your IDE
Visual Studio Code (SSH)
Visual Studio Code (HTTPS)
IntelliJ IDEA (SSH)
IntelliJ IDEA (HTTPS)

Download Resources

- > git clone https://github.com/carpejemm/trainosys-jem.git

- To download latest files
- > git pull

TRAINOSYS

CODE ALONG – DAY 2 ACTIVITY ANSWERS

HYBRID TECHNOLOGY COURSES

TRAINOSYS

Generate a new project

npm create vite@latest / npm create vite@4.1.0

TRAINOSYS

Generate a new project

- ❑ Project Name: rts-d2-act-two
- ❑ > React
- ❑ > TypeScript
- ❑ > cd rts-d2-act-two
- ❑ > npm install / npm i
- ❑ > npm run dev

TRAINOSYS

TASK 1:
Create an input form that accepts a string when an "Add Task" button is clicked

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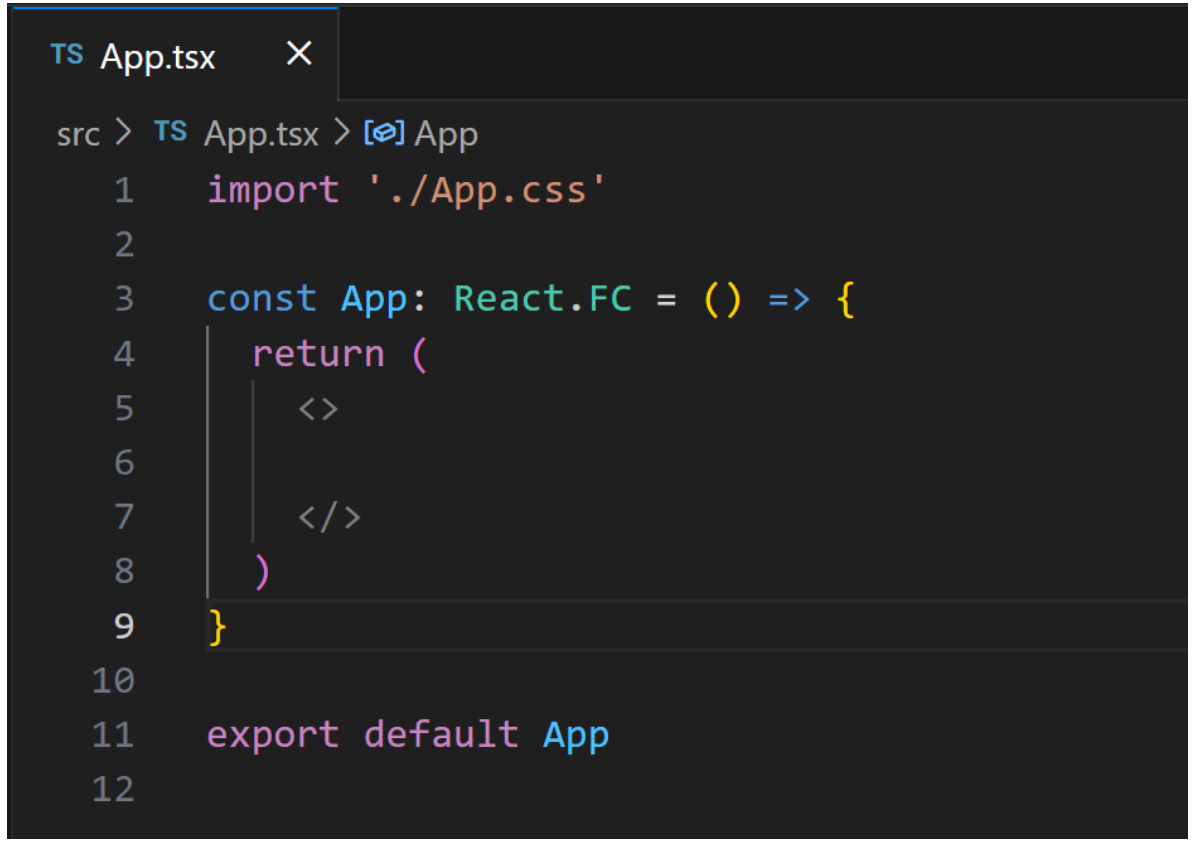
Delete jsx in App.tsx and other unnecessary lines of code

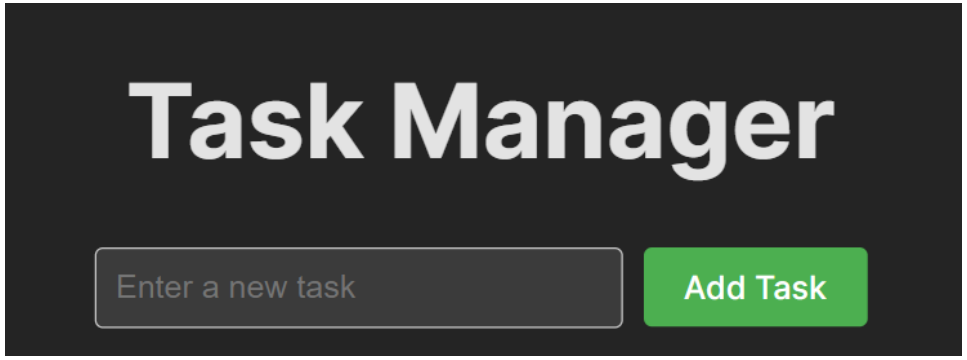
TRAINOSYS



TRAINOSYS

```tsx
// App.tsx
// src > App.tsx > ...
const App: React.FC = () => {
  return (
    <div style={{ textAlign: 'center'}}>
      <h1>Task Manager</h1>
      <div>
        <input
          type="text"
          placeholder="Enter a new task"
        />
        <button>Add Task</button>
      </div>
    </div>
  );
};

export default App;
```



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TASK 2:
Create a <Task /> component that accepts task's name as props and display the initial tasks array

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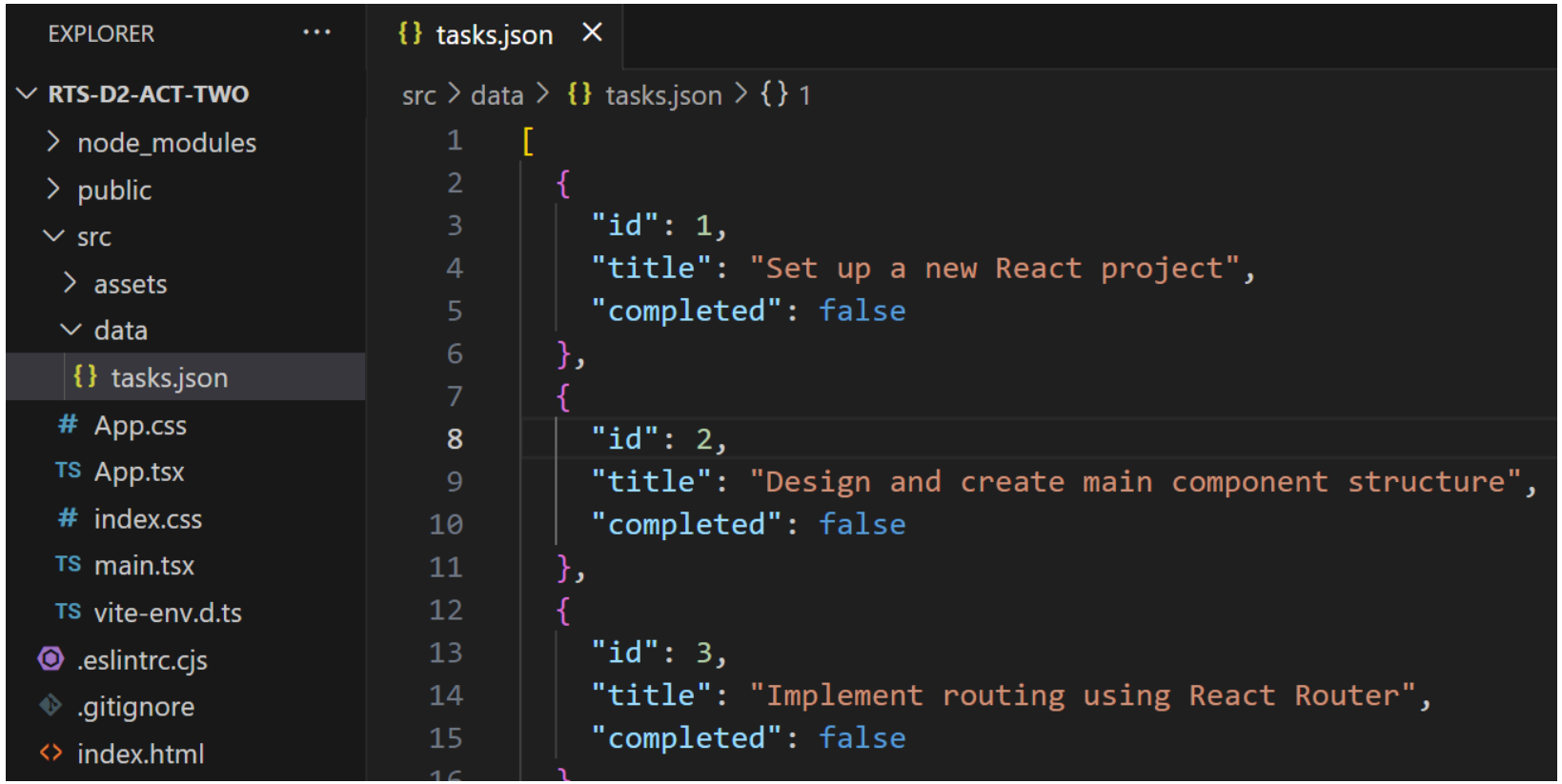
Create a JSON for your initial Tasks Data



Imports – React, Data [Tasks]
Create interface for the Task

TRAINOSYS

TS App.tsx

src > TS App.tsx > App

```tsx
import React, { useState } from 'react';
import tasksData from './data/tasks.json';
import Task from './components/Task/Task';

interface Task {
  id: number;
  title: string;
  completed: boolean;
}
```

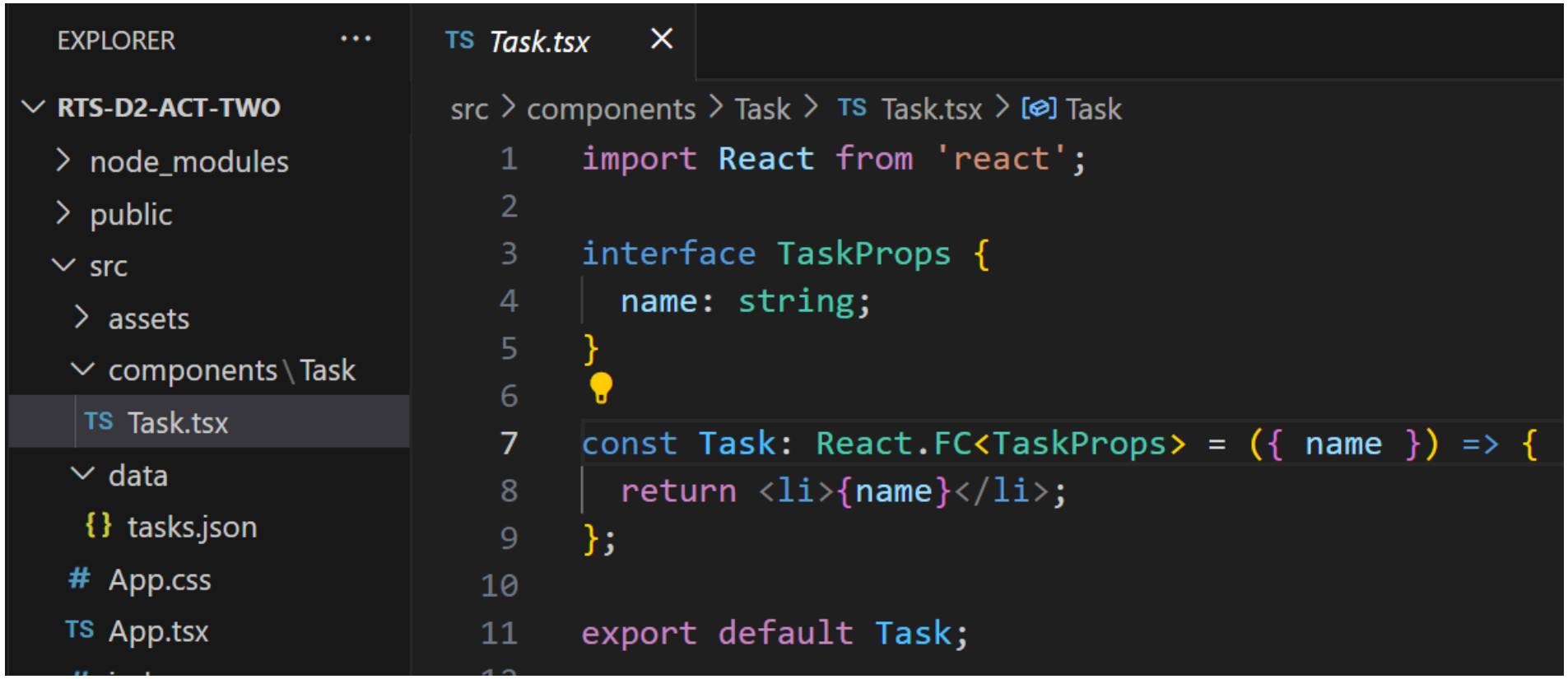
Create a useState Hook for our Tasks

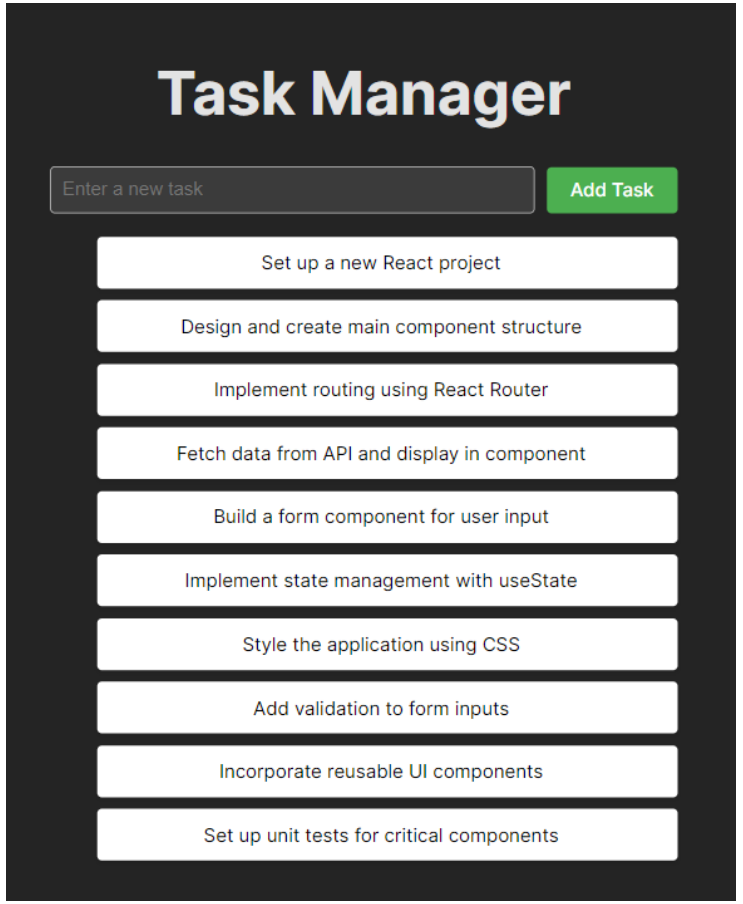
```
10
11    const App: React.FC = () => {
12      const [tasks, setTasks] = useState<Task[]>(tasksData);
13
```

Pass Tasks[] in the <Task /> component

```
return (
  <div style={{ textAlign: 'center'}}>
    <h1>Task Manager</h1>
    <div>
      <input
        type="text"
        placeholder="Enter a new task"
      />
      <button>Add Task</button>
    </div>
    <ul>
      {tasks.map((task) => (
        <Task key={task.id} name={task.title} />
      ))}
    </ul>
  </div>
);
```

Create components folder and Task folder inside and <Task /> component




Task Manager
Enter a new task
Add Task
Set up a new React project
Design and create main component structure
Implement routing using React Router
Fetch data from API and display in component
Build a form component for user input
Implement state management with useState
Style the application using CSS
Add validation to form inputs
Incorporate reusable UI components
Set up unit tests for critical components

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TASK 3:
Conditionally render the component if the Tasks array is empty

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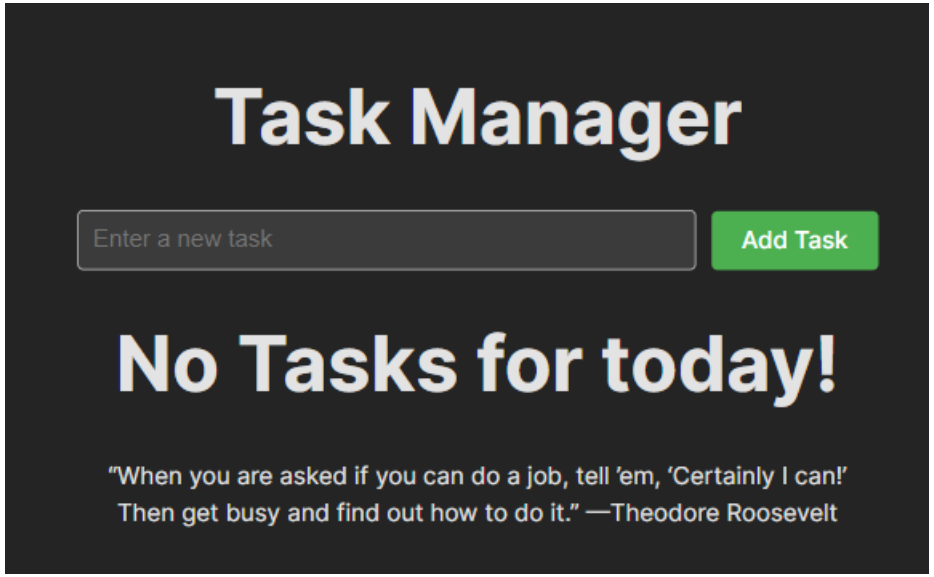
```jsx
return (
  <div style={{ textAlign: 'center', margin: '50px'}}>
    <h1>Task Manager</h1>
    <div>
      <input
        type="text"
        placeholder="Enter a new task"
      />
      <button>Add Task</button>
    </div>
    {tasks.length === 0 ? (
      <>
        <h1>No Tasks for today!</h1>
        <p> “When you are asked if you can do a job, tell 'em,
          'Certainly I can!' Then get busy and find out how to do it.”
          —Theodore Roosevelt
        </p>
      </>
    ) : (
      <ul>
        {tasks.map((task) => (
          <Task key={task.id} name={task.title} />
        ))}
      </ul>
    )}
  </div>
);
```



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LET’S MAKE IT WORK!

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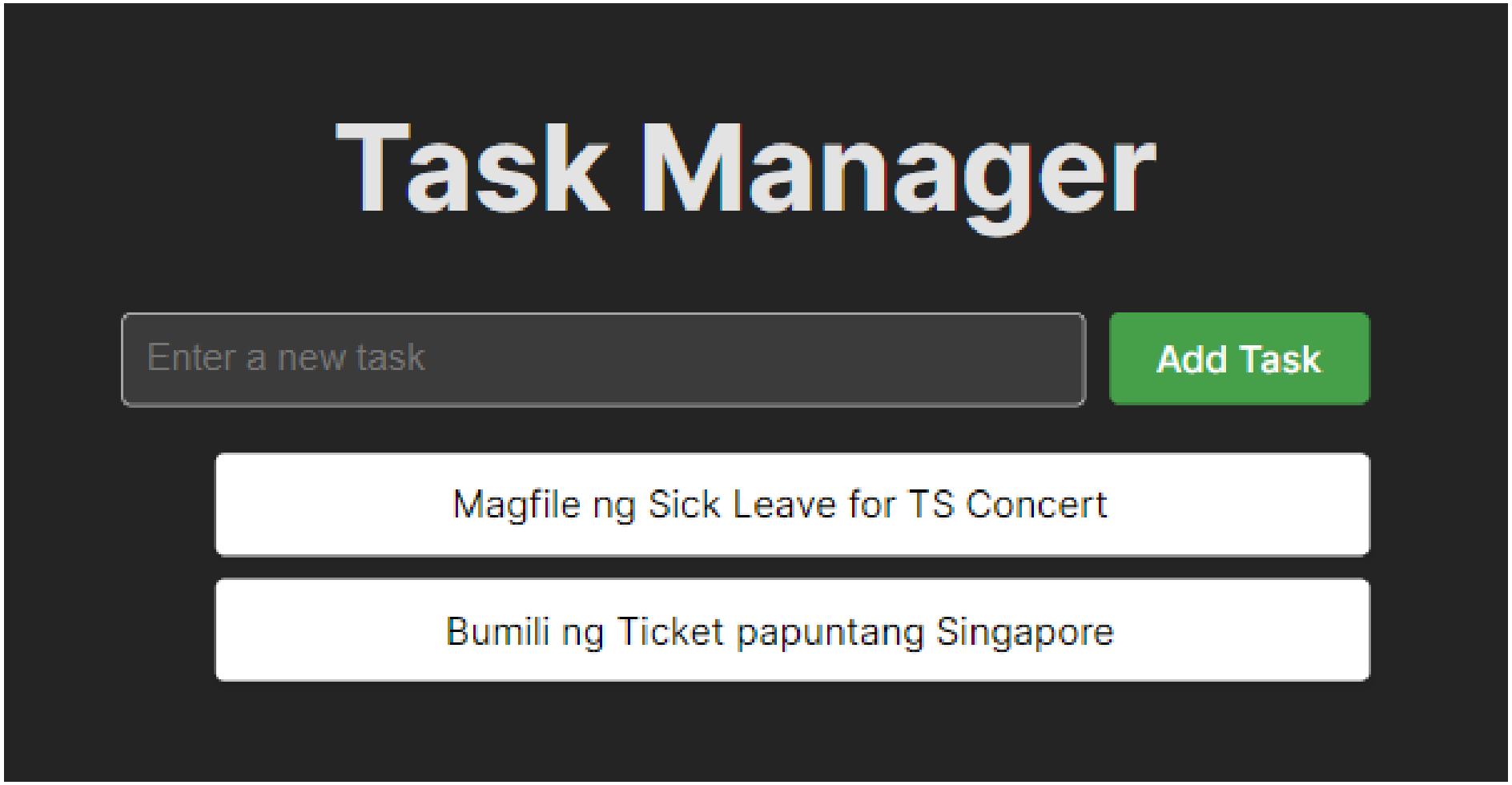
```
11    const App: React.FC = () => {
12      const [tasks, setTasks] = useState<Task[]>(tasksData);
13      const [newTask, setNewTask] = useState<string>('');
14
```

```
return (
  <div style={{ textAlign: 'center', margin: '50px'}}>
    <h1>Task Manager</h1>
    <div>
      <input
        type="text"
        value={newTask}
        onChange={handleInputChange}
        placeholder="Enter a new task"
      />
      <button onClick={handleAddTask}>Add Task</button>
    </div>
    {tasks.length === 0 ? (
      <>
```

```tsx
const handleInputChange = (event: React.ChangeEvent<HTMLInputElement>) => {
  setNewTask(event.target.value);
};

const handleAddTask = () => {
  if (newTask.trim() !== '') {
    const newTaskObj: Task = {
      id: tasks.length + 1,
      title: newTask,
      completed: false
    };
    setTasks([...tasks, newTaskObj]);
    setNewTask('');
  }
};
```


Task Manager
Enter a new task
Add Task
Magfile ng Sick Leave for TS Concert
Bumili ng Ticket papuntang Singapore

TRAINOSYS

TASK 4:
Add a done, edit and delete button / icon in the <Task /> component

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Install some packages

```
npm install @fortawesome/fontawesome-svg-core @fortawesome/free-solid-svg-icons @fortawesome/react-fontawesome
```

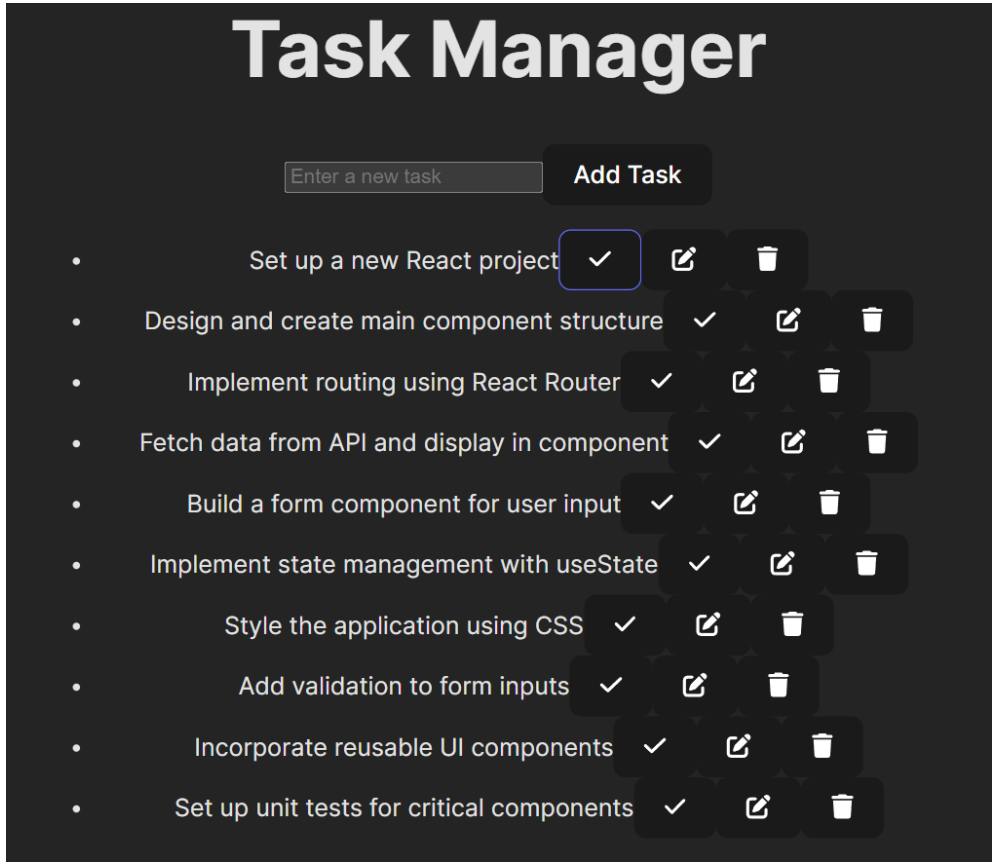
TRAINOSYS

```tsx
import React from 'react';
import { FontAwesomeIcon } from '@fortawesome/react-fontawesome';
import { faCheck, faEdit, faTrash } from '@fortawesome/free-solid-svg-icons';

interface TaskProps {
  name: string;
}

const Task: React.FC<TaskProps> = ({ name }) => {
  return (
    <li>
      <span>{name}</span>
      <button>
        <FontAwesomeIcon icon={faCheck} />
      </button>
      <button>
        <FontAwesomeIcon icon={faEdit} />
      </button>
      <button>
        <FontAwesomeIcon icon={faTrash} />
      </button>
    </li>
  );
};

export default Task;
```



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TASK 5:
Migrate the input form in the <AddTask /> component

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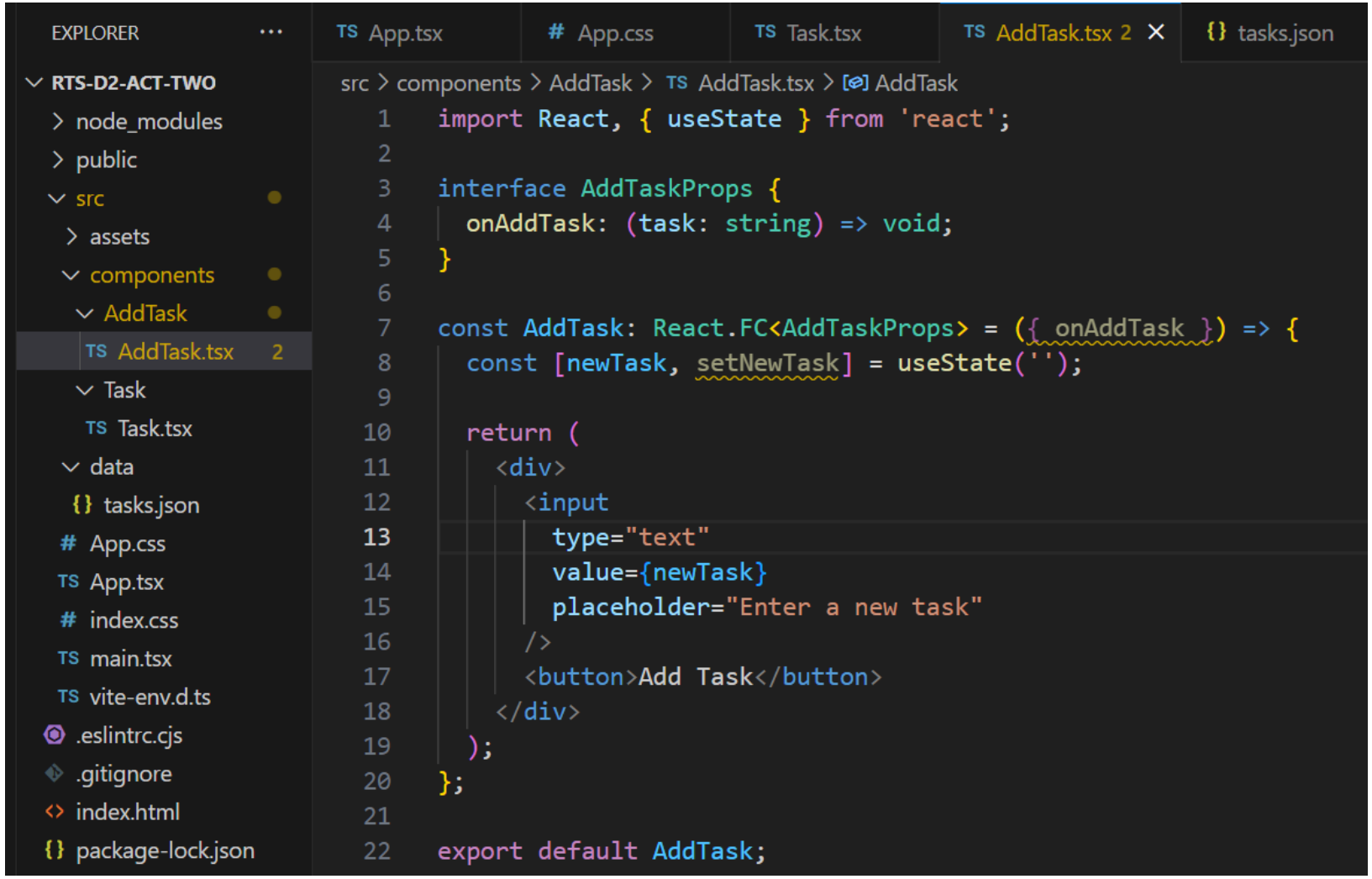
EXPLORER
App.tsx
App.css
Task.tsx
AddTask.tsx 2
tasks.json
src > components > AddTask > AddTask.tsx > AddTask
RTS-D2-ACT-TWO
node_modules
public
src
assets
components
AddTask
AddTask.tsx 2
Task
Task.tsx
data
tasks.json
App.css
App.tsx
index.css
main.tsx
vite-env.d.ts
.eslintrc.cjs
.gitignore
index.html
package-lock.json
1 import React, { useState } from 'react';
2
3 interface AddTaskProps {
4 onAddTask: (task: string) => void;
5 }
6
7 const AddTask: React.FC<AddTaskProps> = ({ onAddTask }) => {
8 const [newTask, setNewTask] = useState('');
9
10 return (
11
12 <input
13 type="text"
14 value={newTask}
15 placeholder="Enter a new task"
16 />
17 <button>Add Task</button>
18
19);
20 };
21
22 export default AddTask;

```tsx
const AddTask: React.FC<AddTaskProps> = ({ onAddTask }) => {
  const [newTask, setNewTask] = useState('');

  const handleInputChange = (event: React.ChangeEvent<HTMLInputElement>) => {
    setNewTask(event.target.value);
  };

  const handleAddTask = () => {
    if (newTask.trim() !== '') {
      onAddTask(newTask);
      setNewTask('');
    }
  };

  return (
    <div>
      <input
        type="text"
        value={newTask}
        onChange={handleInputChange}
        placeholder="Enter a new task"
      />
      <button onClick={handleAddTask}>Add Task</button>
    </div>
  );
};

export default AddTask;
```

```tsx
const App: React.FC = () => {
  const [tasks, setTasks] = useState<Task[]>(tasksData);

  const handleAddTask = (task: string) => {
    if (task.trim() !== '') {
      const newTaskObj: Task = {
        id: tasks.length + 1,
        title: task,
        completed: false
      };
      setTasks([...tasks, newTaskObj]);
    }
  };
```

```tsx
  return (
    <div style={{ textAlign: 'center', margin: '50px'}}>
      <h1>Task Manager</h1>
      <AddTask onAddTask={handleAddTask} />
```

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TASK 6:
Make the done button / icon work by creating a doneTask function

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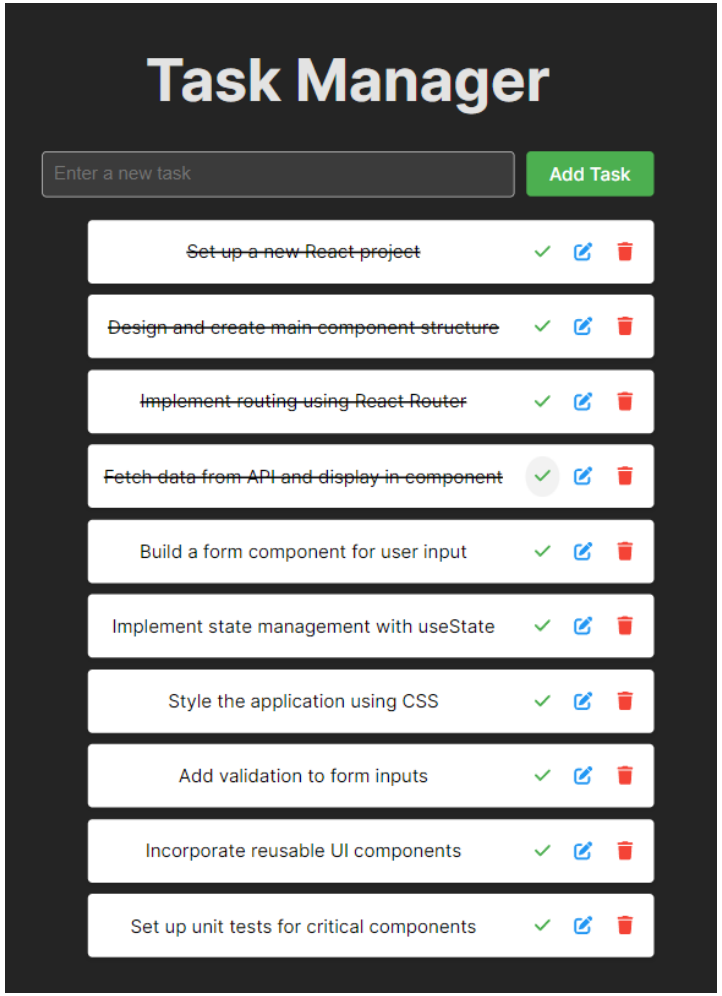
```
<ul>
  {tasks.map((task) => (
    <Task
      key={task.id}
      id={task.id}
      completed={task.completed}
      name={task.title}
      onDoneTask={handleDoneTask}
    />
  ))}
</ul>
```

```
5   interface TaskProps {
6     id: number;
7     name: string;
8     completed: boolean;
9     onDoneTask: (id: number) => void;
10  }
```

```
13    const Task: React.FC<TaskProps> = ({ id, name, completed, onDoneTask }) => {
14
15      const handleDoneTask = () => {
16      onDoneTask(id);
17    };
```

```
return (
  <li className={completed ? 'done' : ''}>
    <span>{name}</span>
    <button onClick={handleDoneTask}>
      <FontAwesomeIcon icon={faCheck} />
    </button>
    <button>
      <FontAwesomeIcon icon={faEdit} />
    </button>
    <button>
      <FontAwesomeIcon icon={faTrash} />
    </button>
  </li>
);
```



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TASK 7:
Make the edit button / icon work by creating an editTask function

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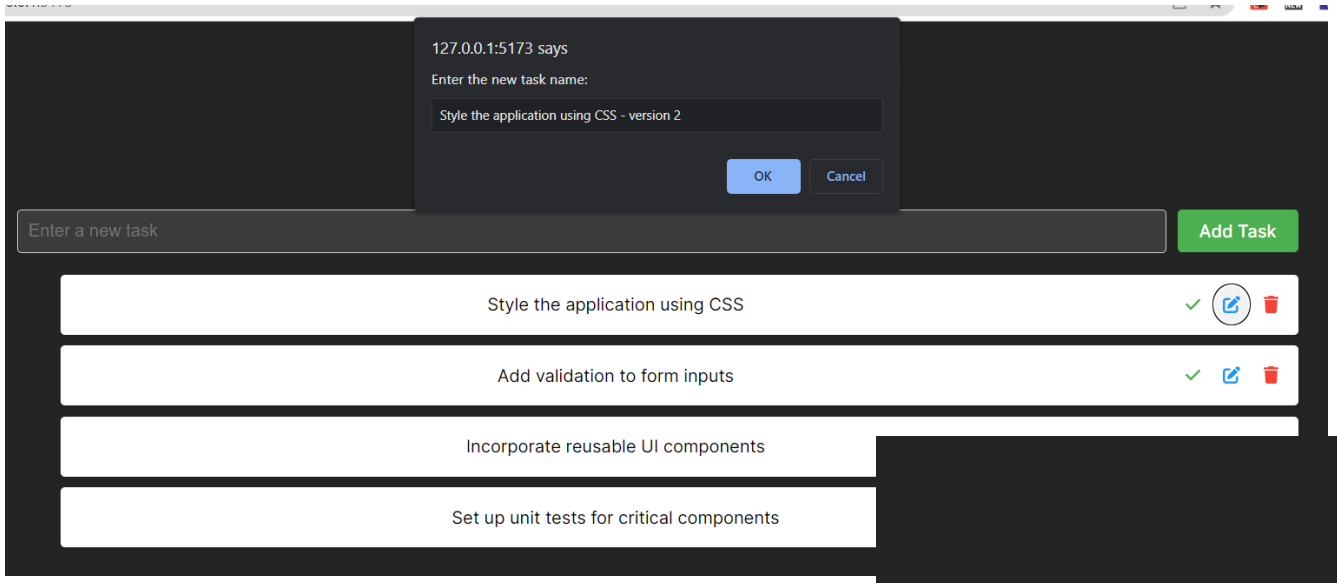
```
<ul>
  {tasks.map((task) => (
    <Task
      key={task.id}
      id={task.id}
      completed={task.completed}
      name={task.title}
      onDoneTask={handleDoneTask}
      onEditTask={handleEditTask}
    />
  ))}
</ul>
```

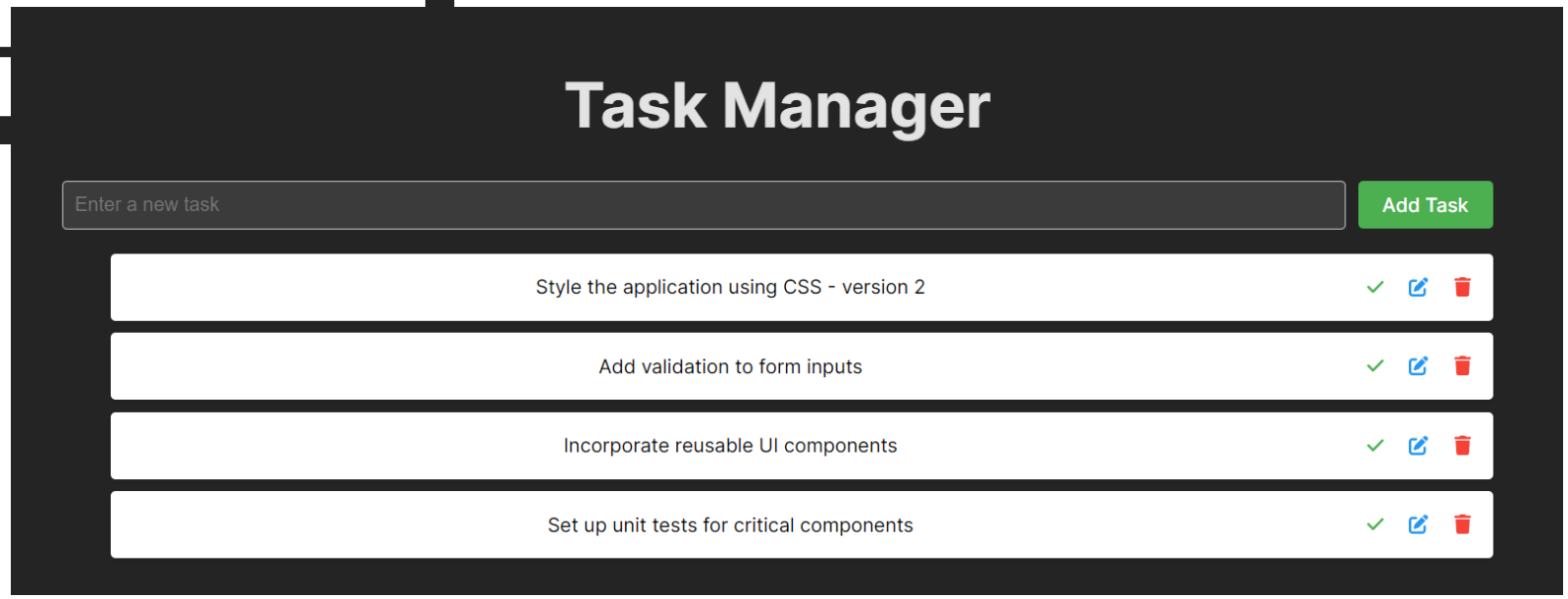
```
5   interface TaskProps {
6     id: number;
7     name: string;
8     completed: boolean;
9     onDoneTask: (id: number) => void;
10    onEditTask: (id: number, newName: string) => void;
11  }
```

```
13  const Task: React.FC<TaskProps> = ({ id, name, completed, onDoneTask, onEditTask }) => {
14    const handleDoneTask = () => {
15      onDoneTask(id);
16    };
17
18    const handleEditTask = () => {
19      const newName = prompt('Enter the new task name:', name);
20      if (newName && newName.trim() !== '') {
21        onEditTask(id, newName);
22      }
23    };
24
```

```jsx
return (
  <li className={completed ? 'done' : ''}>
    <span>{name}</span>
    <button onClick={handleDoneTask}>
      <FontAwesomeIcon icon={faCheck} />
    </button>
    <button onClick={handleEditTask}>
      <FontAwesomeIcon icon={faEdit} />
    </button>
    <button>
      <FontAwesomeIcon icon={faTrash} />
    </button>
  </li>
);
```

```
const handleEditTask = (id: number, newName: string) => {
  const updatedTasks = tasks.map((task) =>
    task.id === id ? { ...task, title: newName } : task
  );
  setTasks(updatedTasks);
};
```





TRAINOSYS

TASK 8:
Make the delete button / icon work by creating a deleteTask function

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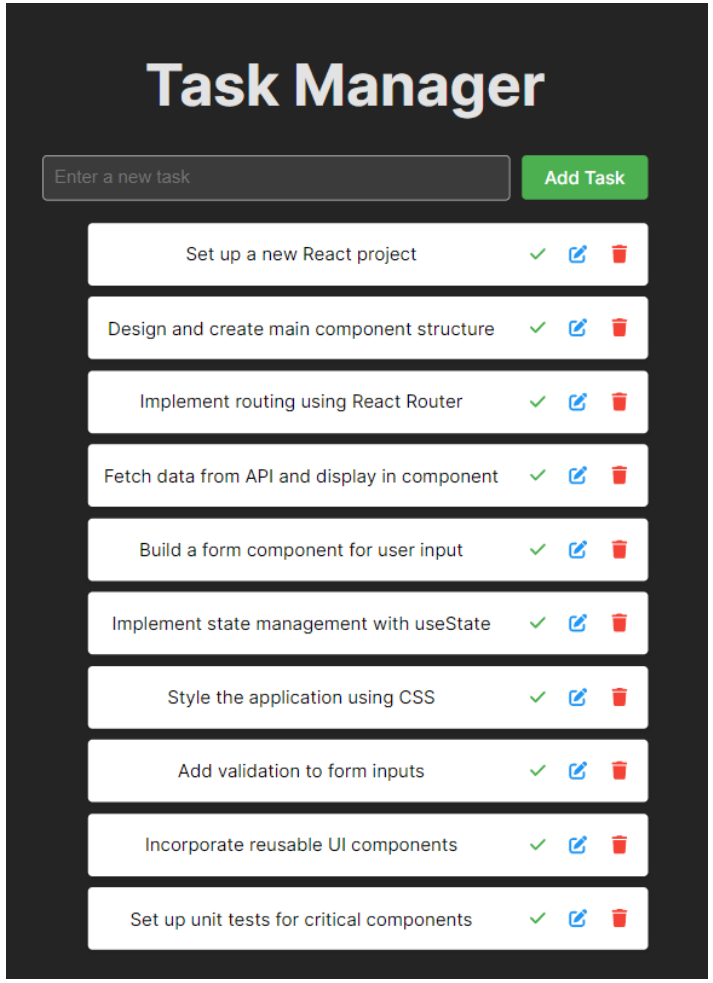
```jsx
<ul>
  {tasks.map((task) => (
    <Task
      key={task.id}
      id={task.id}
      completed={task.completed}
      name={task.title}
      onDoneTask={handleDoneTask}
      onEditTask={handleEditTask}
      onDeleteTask={handleDeleteTask}
    />
  ))}
</ul>
```

```typescript
interface TaskProps {
  id: number;
  name: string;
  completed: boolean;
  onDoneTask: (id: number) => void;
  onEditTask: (id: number, newName: string) => void;
  onDeleteTask: (id: number) => void;
}
```

```
13
14  const Task: React.FC<TaskProps> = ({ id, name, completed, onDoneTask, onEditTask, onDeleteTask }) => {
15    const handleDoneTask = () => {
16      onDoneTask(id);
17    };
18
19    const handleEditTask = () => {
20      const newName = prompt('Enter the new task name:', name);
21      if (newName && newName.trim() !== '') {
22        onEditTask(id, newName);
23      }
24    };
25
26    const handleDeleteTask = () => {
27      onDeleteTask(id);
28    };
```

```jsx
return (
  <li className={completed ? 'done' : ''}>
    <span>{name}</span>
    <button onClick={handleDoneTask}>
      <FontAwesomeIcon icon={faCheck} />
    </button>
    <button onClick={handleEditTask}>
      <FontAwesomeIcon icon={faEdit} />
    </button>
    <button onClick={handleDeleteTask}>
      <FontAwesomeIcon icon={faTrash} />
    </button>
  </li>
);
```

```
const handleDeleteTask = (id: number) => {
  const filteredTasks = tasks.filter((task) => task.id !== id);
  setTasks(filteredTasks);
};
```



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Activity 2

- ❑ npm create vite@latest / npm create vite@4.1.0
- ❑ Project name: rts-d3-act-two

- ❑ Create a React Router for the Task Manager
- ❑ Make dynamic routes for each Task in the Task List [id]
- ❑ Create another <SingleTask /> component to render each Task

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