React Basics | Lesson 2

Practice: To-Do List React App

Instructions

Build a basic, static To-Do List React application, creating and combining components.

Tasks

Part 1: Build the Components

1. **Create a `components` Folder:**
   Inside the `src` directory, create a folder named `components`.
2. **Create `ToDoList.jsx`:**
   - Create a functional component called `ToDoList`.
   - Inside this component:
     - Hard code a To-Do list to display a few tasks as a bulleted list (e.g., `"Learn React"`, `"Build a project"`, `"Read documentation"`).
3. **Create `Header.jsx`:**
   - Create a functional component called `Header`.
   - Inside this component:
     - Render a simple heading that says "My To-Do List".

Part 2: Combine Components in `App.jsx`

1. **Import Components:**
   Import the `Header` and `ToDoList` components into `App.jsx`.
2. Use Components:
   - Place the `Header` at the top of the app.
   - Add the `ToDoList` below the `Header`.

Part 3: Add Styling

1. **Update `App.css`:**
   Add basic styles to make the app visually appealing:

- Center the content.
- Style the list items with custom bullet points or spacing.
- Add padding and margins to create a clean layout.
2. **Enhance the List:**
   Style the list elements for better readability, such as:
   - Adding hover effects on tasks.
   - Using a custom font for the text.

Deliverables

- A functional React app that displays:
  - A heading saying "My To-Do List".
  - A static list of tasks (e.g., `"Learn React"`, `"Build a project"`, `"Read documentation"`).

Example Output

When the app runs, you should see:

```
Heading:
"My To-Do List"
List:
  - Learn React
  - Build a project
  - Read documentation
```

Setup

1. Before starting this task, you will need to set up your React app:
   - **Create a New React App**:
     Use Vite to scaffold a new React project:

     ```
     ● npm create vite@latest
     ```

     - Name the project `static-todo-react-app`.
     - Choose the `React` framework and the JavaScript variant.

- **Install Dependencies**:
  Navigate into the project directory:

```
• cd static-todo-react-app
```

  ○ Install necessary dependencies:

```
• npm install
```

- **Start the Development Server**:
  Start your local server:

```
• npm run dev
```

  ○ Open your browser and navigate to http://localhost:5173.
2. For this activity, you will need to create your own repository to store code:
   - Create a new repository.
   - Name it: practice-toDoList-[Your First Name]-[Your Last Initial]
   - Make sure the repository is public.
   - Clone the repository to your local machine.
   - Start working on the code.
   - When you are finished, commit your changes and push them to your repository.

Submission

Submit the url for your GitHub repo in the field below.