

Project Setup and Folder Structure

In this lecture, we will explore the project created with Vite and understand the key files and folders. Knowing the structure will make it easier to navigate and organize your React application.

Vite Project Overview

After creating a project with Vite, you will see a structure similar to this:

```
my-react-app/
├── node_modules/
├── public/
└── src/
    ├── App.css
    ├── App.jsx
    ├── index.css
    └── main.jsx
├── .gitignore
├── index.html
├── package.json
├── vite.config.js
└── README.md
```

Let's break this down.

Important Files and Folders

- **index.html**

The entry point of the application. Unlike traditional setups, Vite uses this as the main HTML file. Notice the `<div id="root"></div>` where your React components will be rendered.

- **src/**

This folder contains your React code.

- `main.jsx` is the entry point for React. It mounts the root React component (`App.jsx`) into the `#root` div in `index.html`.
- `App.jsx` is your main React component. You can think of it as the starting point of your UI.
- `App.css` and `index.css` are for styling your components and global styles.

- **public/**

Any static files like images or icons can be placed here. Files in this folder are served directly without processing.

- **package.json**

Contains the project metadata, dependencies, and scripts. The important scripts are:

```
"scripts": {  
  "dev": "vite",  
  "build": "vite build",  
  "preview": "vite preview"  
}
```

- **vite.config.js** Vite's configuration file. For beginners, you won't need to change this much.

Running the Project

Use the following command to start the development server:

```
npm run dev
```

Open the provided local URL (usually `http://localhost:5173`) in your browser. You will see the default Vite + React starter page.

Recap

- Vite creates a simple, lightweight project structure.
- `index.html` contains the root element.
- `main.jsx` connects React with the DOM.
- `App.jsx` is the root component where your UI begins.