# Creating a new React Monorepo

Content Url: https://nx.dev/getting-started/tutorials/react-monorepo-tutorial#creating-a-new-react-monorepo

Step 1: Create Nx Workspace:

npx create-nx-workspace@latest react-monorepo --preset=react-monorepo

Step 2: Generate Libraries

nx generate @nx/react:library task-manager-features --directory=libs/task-manager/features --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-core --directory=libs/task-manager/core --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-shared --directory=libs/task-manager/shared --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-interfaces --directory=libs/task-manager/interfaces --unitTestRunner=vitest --bundler=vite

Step 3: Generate Components

nx generate @nx/react:component task-list --directory=libs/task-manager/features/task-list --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:component task-list-item --directory=libs/task-manager/features/task-list --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:component add-task-form --directory=libs/task-manager/features/add-task-form --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:component edit-task --directory=libs/task-manager/features/edit-task --unitTestRunner=vitest --bundler=vite

Step 4: Generate Additional Commands

nx generate @nx/react:library date-utils --directory=libs/task-manager/core/date-utils --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library validation-utils --directory=libs/task-manager/core/validation-utils --unitTestRunner=vitest --bundler=vite

then run the command:

npm install -g vite

Reemove my-feature-lib from the workspace:

nx g @nx/workspace:remove my-feature-lib

Generate Commands:

1. Generate Libraries:

nx generate @nx/react:library task-manager-features --directory=libs/task-manager/features --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-core --directory=libs/task-manager/core --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-shared --directory=libs/task-manager/shared --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-interfaces --directory=libs/task-manager/interfaces --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-testing-utils --directory=libs/task-manager/testing-utils --unitTestRunner=vitest --bundler=vite

nx generate @nx/react:library task-manager-deployment --directory=libs/task-manager/deployment --unitTestRunner=vitest --bundler=vite

Install React Fluent UI Component:

npm i @fluentui/react-components

Set up JSON Server

Reference: https://www.npmjs.com/package/json-server

npm install json-server

Install Axios HTTP Library

npm install axios