

Timeline Stepper Component

Overview

A customizable and responsive Timeline Stepper built using React, TypeScript, and SCSS Modules.

Supports vertical layout with icons, multiple step statuses, and interactive, accessible step navigation.

Features

- Step statuses: completed, current (in progress), pending
- Detailed step content: title + optional description texts
- Status icons using `react-icons` (green check, spinning hourglass)
- Vertical timeline with connecting progress bars
- Clickable and keyboard-accessible steps
- Disabled steps support (dimmed and non-interactive)
- Fully typed with TypeScript interfaces
- Scoped, modular styling using SCSS Modules
- Responsive design and good accessibility practices

Project Structure

```
src/  
  components/  
    TimelineStepper/  
      TimelineStepper.tsx      # Main React component with icons & logic  
      TimelineStepper.module.scss # SCSS Modules styles scoped to component  
      types.ts                 # TypeScript interfaces & types  
  demo/  
    DemoPage.tsx              # Demo page showcasing component usage  
  App.tsx                     # Root app, renders DemoPage  
  index.tsx                    # React app entry point  
  index.css                    # Optional global styling
```

Installation & Setup

Prerequisites

- Node.js (v14+ recommended)
- React project with TypeScript (Create React App or Vite preferred)

Steps

1. Create a new React + TypeScript App
2. Install required packages: `npm install sass react-icons@5.4.0`
3. Add component source files
4. Modify `App.tsx` to use the demo page:
`import DemoPage from "../demo/DemoPage";`

```
function App() {  
  return <DemoPage />;  
}
```

```
export default App;
```

5. Start the development server: `npm start`

Screenshots

