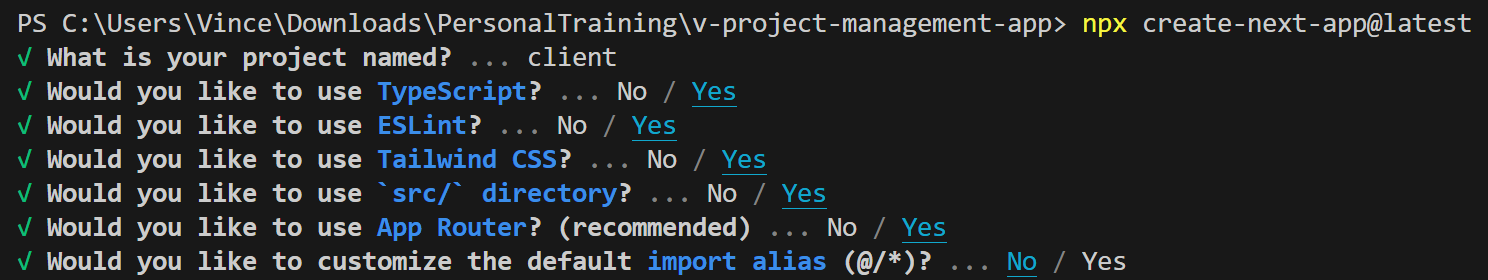
**Project Management App**

**Setup:**

* Create a client folder
  + npx create-next-app@latest



* VSCode Extension
  + ES7+ React/Redux/React-Native snippets
  + Prettier - Code formatter
* Frontend Packages Installation
  + (inside **client** folder)
  + npm install @mui/material @emotion/react @emotion/styled lucide-react numeral date-fns axios recharts react-dnd react-dnd-html5-backend gantt-task-react @mui/x-data-grid
  + Material UI (MUI) <https://mui.com/material-ui/getting-started/installation/>
  + Lucide React (Icons) <https://lucide.dev/guide/packages/lucide-react>
  + Numeral <https://www.npmjs.com/package/numeral>
  + date-fns <https://www.npmjs.com/package/date-fns>
  + axios <https://axios-http.com/docs/intro>
  + recharts <https://recharts.org/en-US/guide>
  + React Drag and Drop (DnD)
    - <https://www.npmjs.com/package/react-dnd>
    - <https://www.npmjs.com/package/react-dnd-html5-backend>
  + Interactive Gantt Chart for React with TypeScript <https://www.npmjs.com/package/gantt-task-react>
  + MUI Data Grid <https://mui.com/x/react-data-grid/getting-started/#installation>
* Dependencies Installation for TypeScript
  + (inside **client** folder)
  + npm i -D @types/node @types/uuid @types/numeral
* global.css modification

A screen shot of a computer program

Description automatically generated

* Dependencies Installation for Tailwind CSS (i.e., Tailwind x Prettier)
  + (inside **client** folder)
  + npm install -D prettier prettier-plugin-tailwindcss

A screen shot of a computer

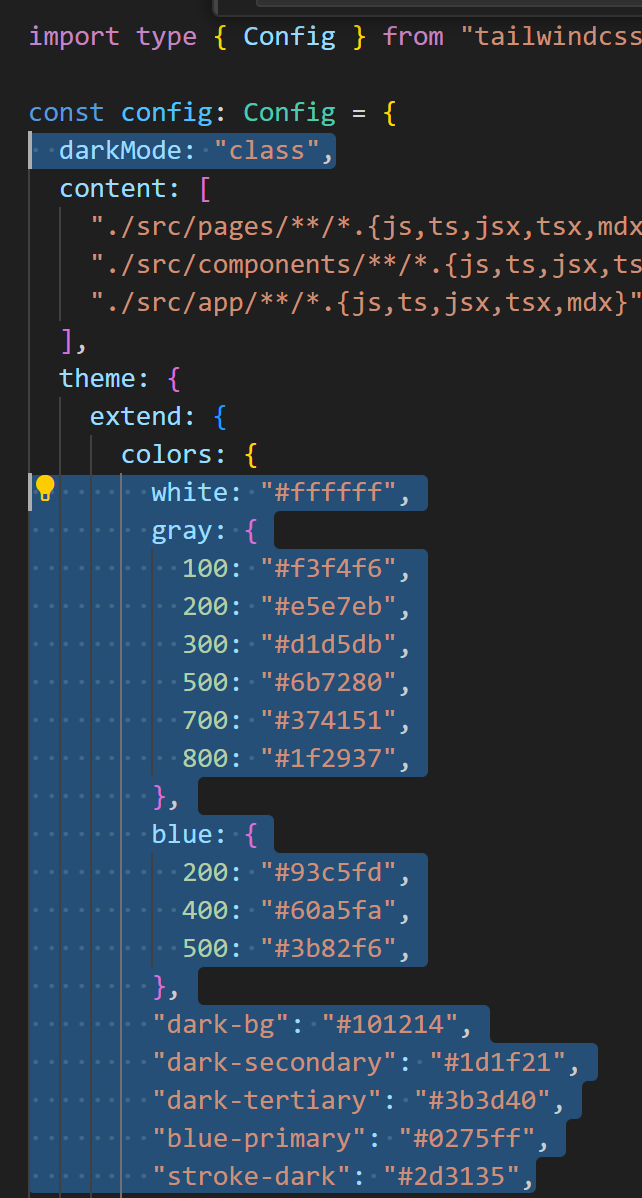
Description automatically generated

* + <https://tailwindcss.com/blog/automatic-class-sorting-with-prettier>
  + <https://github.com/tailwindlabs/prettier-plugin-tailwindcss>

A screenshot of a computer

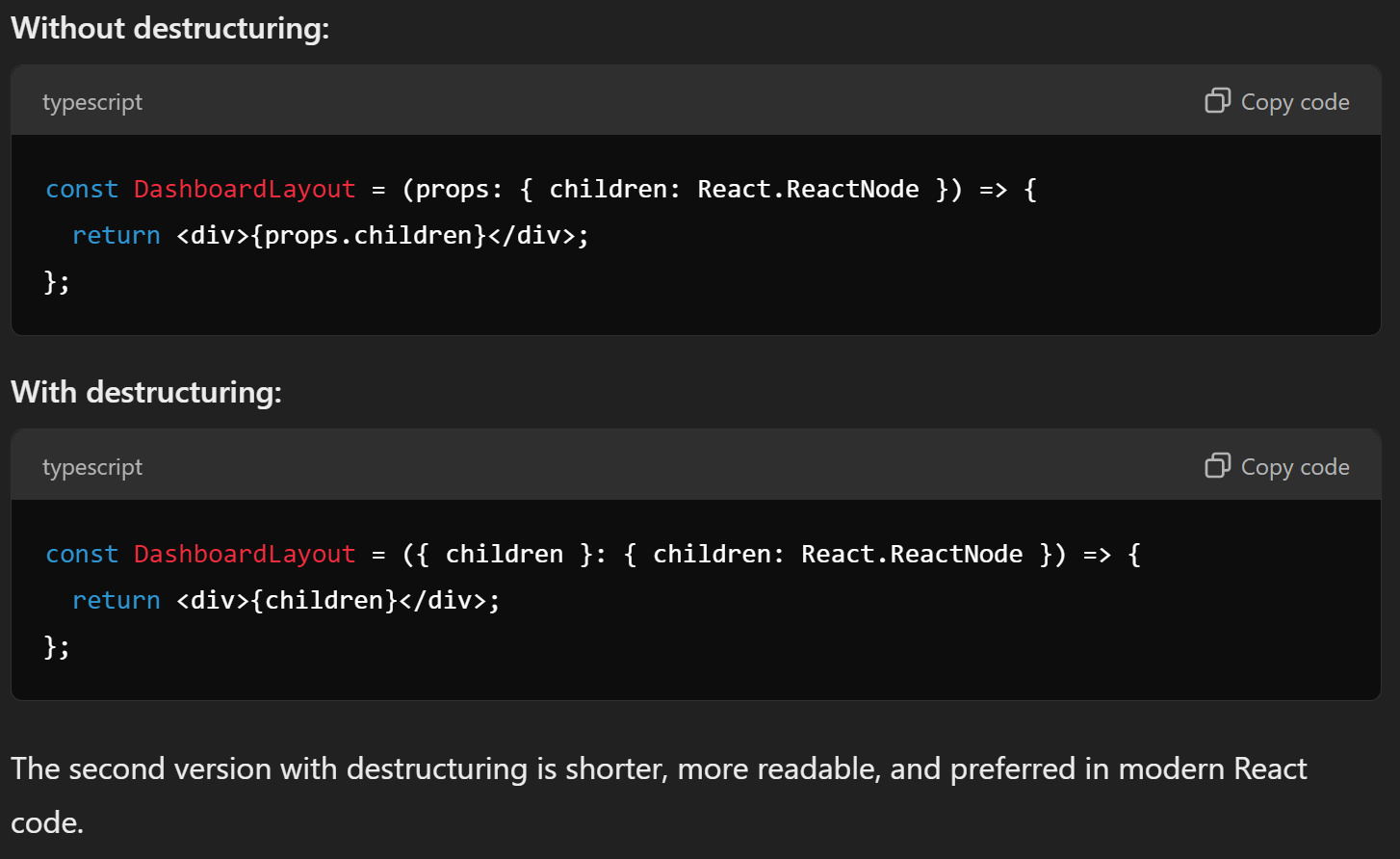
Description automatically generated

* Modify tailwind.config.ts



**dashboardWrapper.tsx**

* Create dashboardWrapper.tsx
  + Use tsrafce
  + Add parameter { children }: {children: React.ReactNode}
  + <https://dev.to/elhamnajeebullah/react-typescript-what-is-reactnode-and-when-to-use-it-3660>



* Modify layout.tsx to include our custom dashboard wrapper

A computer screen with text

Description automatically generated

* Create a Navbar components (client/src/components/Header/index.tsx)

A screenshot of a computer program

Description automatically generated

* Import to dashboardWrapper.tsx

A screen shot of a computer program

Description automatically generated

* What is @?
  + Go to tsconfig.json

A close up of a computer screen

Description automatically generated

* How do you know the import works?
  + **Ctrl + Click on the path**
* Change tab icon and name
  + Change favicon.ico file (src/app/favicon.ico) with your logo
  + Modify name in the layout.tsx

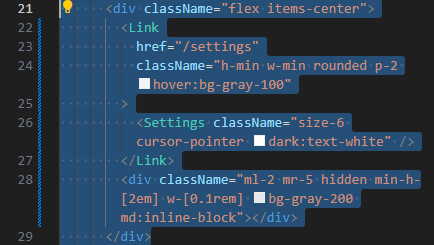
**NavBar**

* Create src/components/Header/index.tsx
* tsrafce
* Create the search bar
  + Import { Search } from “lucide-react”;
  + Create the search bar UI

A screenshot of a computer program

Description automatically generated

* + Create a settings icon
    - import { Settings } from "lucide-react";
    - import Link from "next/link";



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**SideBar**

* Create src/components/SideBar/index.tsx
* tsrafce