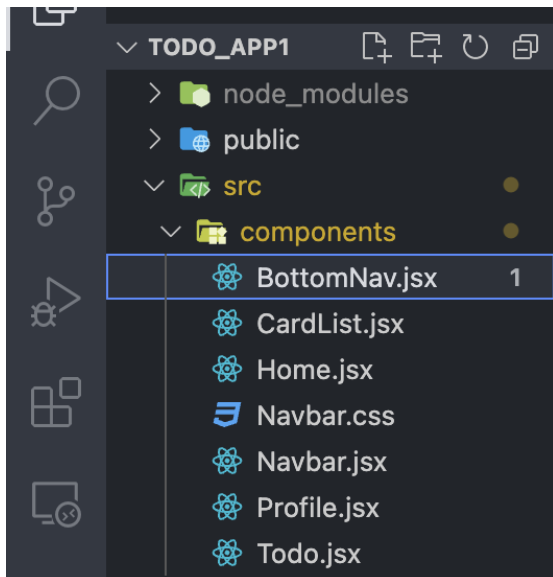


Instruction lab (27 Mar 23)

Topic : Transform web application that support Responsive design

1.) create BottomNav component



create the component name **BottomNav.jsx** inside of **/src** dir

BottomNav.jsx

```
import * as React from "react";
import BottomNavigation from "@mui/material/BottomNavigation";
import BottomNavigationAction from
"@mui/material/BottomNavigationAction";
import { RestoreIcon } from "@mui/icons-material/Restore";
import { CalendarMonth, Today } from "@mui/icons-material";

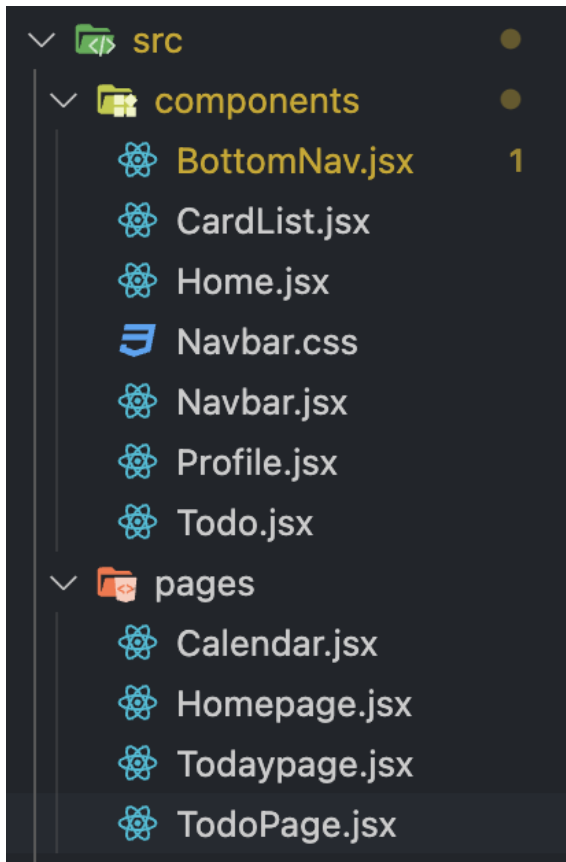
export default function BottomNav() {
  const [value, setValue] = React.useState("");
  const navigate = useNavigate();
  const handleChange = (event, newValue) => {
    setValue(newValue);
  };

  return (
    <BottomNavigation
      sx={{ width: "100%" }}
      value={value}
      onChange={handleChange}
    >
      <BottomNavigationAction
        label="Incoming"
        value="todo"
        icon={<RestoreIcon />}
      />
      <BottomNavigationAction
        label="Today"
        value="today"
        icon={<Today />}
      />
      <BottomNavigationAction
        label="Calendar"
        value="calendar"
        icon={<CalendarMonth/>}
      />
    </BottomNavigation>
  );
}
```

you can copy code of MUI component here

<https://mui.com/material-ui/react-bottom-navigation/>

2.) create **Page** directory in `/src`



Page directory that includes file

1. Calendar.jsx
2. Homepage.jsx
3. Todaypage.jsx
4. TodoPage.jsx

3.) here is code in TodoPage.jsx

```
import { Box } from "@mui/material";
import Home from "../components/Home";
import BottomNav from "../components/BottomNav";
import Todo from "../components/Todo";
function TodoPage() {
  return (
    <Box
      sx={{
        display: { md: "flex" },
        flexDirection: { md: "row" },
        justifyContent: "center",
        alignItems: "center",
        height: "100vh",
      }}
    >
      <Box
        sx={{
          display: { xs: "none", md: "block" },
        }}
      >
        <Home />
      </Box>
      <Box
        sx={{
          backgroundColor: "#a08bff",
          height: { xs: "90%", md: "604px" },
          width: { xs: "100%", md: "580px" },
          margin: { md: "20px" },
          borderRadius: "20px",
          display: "flex",
          justifyContent: "center",
          alignItems: "center",
        }}
      >
        <Todo />
      </Box>
      <Box
        sx={{
          display: { md: "none" },
        }}
      >
        <BottomNav />
      </Box>
    </Box>
  );
}
export default TodoPage;
```

Description :

<Box> = the MUI component that similar with <div> in the html
it's a block element

sx = is a attribute of MUI component that allow you put the css syntax inline of our component it's familiar with style attribute in html but it can use the Breakpoint screen inside css for use Responsive WebApp

how to use breakpoint in MUI ?

for Example

```
display : {{ xs:none , md : block}}
```

is mean when extra small screen to medium screen
set display is none (display:"none") and when it larger than medium
screen set display is block (display:block)

so xs-md screen it disappear this element ,larger than md screen this
element will appear

4.) App.js



```
import TodoPage from "../pages/ToDoPage";
function App() {
  return (
    <ToDoPage/>
  );
}

export default App;
```