

46. Component - Layout

#reactjs #frontend #component

- We will implement a simple **Layout** component to wrap pages where we want the **NavBar** to be displayed, simplifying the structures of our pages.
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Update the Wrapper component

- We add a **WrapperVariant** type in the **Wrapper** component and **export** it to be used in the **Layout** component:

/components/Wrapper.tsx

```
import { Box } from "@chakra-ui/react";
import React from "react";

export type WrapperVariant = "small" | "regular";

interface WrapperProps {
  variant?: WrapperVariant;
  children: any;
}
```

Implement the Layout component

/components/Layout.tsx

```
import React from "react";
import { Wrapper, WrapperVariant } from "../Wrapper";
import { NavBar } from "../NavBar";

interface LayoutProps {
  variant?: WrapperVariant;
  children: any;
}

export const Layout: React.FC<LayoutProps> = ({ children, variant }) => {
```

```

return (
  <>
    <NavBar />
    <Wrapper variant={variant}>{children}</Wrapper>
  </>
);
};

```

Sticky the NavBar

- The `NavBar` moves up and disappears when we scroll down, so we want to stick it to the top and put it "above" the content on the `z-index`.
- We update the `NavBar` component as such:

/components/NavBar.tsx

```

return (
  <Flex zIndex={1} position="sticky" top={0} bg="tan" p={4}>
    <Box ml={"auto"} suppressHydrationWarning>
      {body}
    </Box>
  </Flex>
);

```