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Sidebar

A composable, themeable and customizable sidebar component.

A sidebar that collapses to icons.

Sidebars are one of the most complex components to build. They are central to any application and often contain a lot of moving parts.

I don't like building sidebars. So I built 30+ of them. All kinds of configurations. Then I extracted the core components into `Sidebar*.vue`.

We now have a solid foundation to build on top of. Composable. Themeable. Customizable.

Browse the Blocks Library.

Installation

1 install this component

pnpm npm yarn bun

```
npx shadcn-vue@latest add sidebar
```

2 Add the following colors to your CSS file

The command above should install the colors for you. If not, copy and paste the following in your CSS file.

css

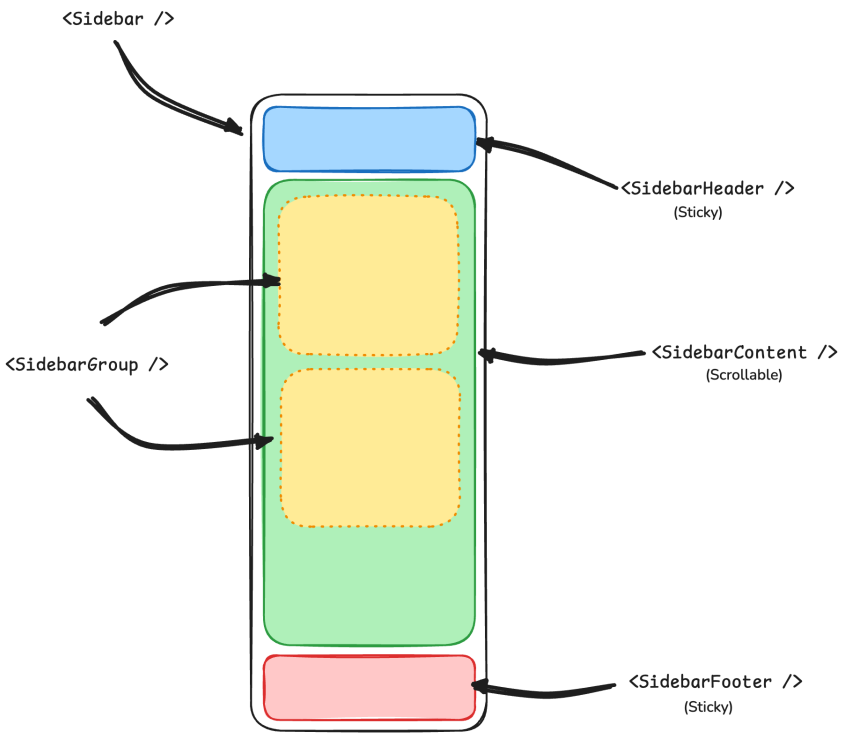
```
@layer base {
  :root {
    --sidebar-background: 0 0% 98%;
    --sidebar-foreground: 240 5.3% 26.1%;
    --sidebar-primary: 240 5.9% 10%;
    --sidebar-primary-foreground: 0 0% 98%;
    --sidebar-accent: 240 4.8% 95.9%;
    --sidebar-accent-foreground: 240 5.9% 10%;
    --sidebar-border: 220 13% 91%;
    --sidebar-ring: 217.2 91.2% 59.8%;
  }

  .dark {
    --sidebar-background: 240 5.9% 10%;
    --sidebar-foreground: 240 4.8% 95.9%;
    --sidebar-primary: 224.3 76.3% 48%;
    --sidebar-primary-foreground: 0 0% 100%;
    --sidebar-accent: 240 3.7% 15.9%;
    --sidebar-accent-foreground: 240 4.8% 95.9%;
    --sidebar-border: 240 3.7% 15.9%;
    --sidebar-ring: 217.2 91.2% 59.8%;
  }
}
```

Structure

A `Sidebar` component is composed of the following parts:

- `SidebarProvider` - Handles collapsible state.
- `Sidebar` - The sidebar container.
- `SidebarHeader` and SidebarFooter - Sticky at the top and bottom of the sidebar
- `SidebarContent` - Scrollable content.
- `SidebarGroup` - Section within the SidebarContent.
- `SidebarTrigger` - Trigger for the Sidebar



Usage

App.vue

vue

```vue
<script setup lang="ts">
import AppSidebar from '@/components/AppSidebar.vue'

```

```vue
import { SidebarProvider, SidebarTrigger } from '@/components/ui/sidebar'
</script>

<template>
  <SidebarProvider>
    <AppSidebar />
    <main>
      <SidebarTrigger />
      <RouterView />
    </main>
  </SidebarProvider>
</template>
```

@/components/AppSidebar.vue

vue

```vue
<script setup lang="ts">
import {
  Sidebar,
  SidebarContent,
  SidebarFooter,
  SidebarGroup,
  SidebarHeader,
} from '@/components/ui/sidebar'
</script>

<template>
  <Sidebar>
    <SidebarHeader />
    <SidebarContent>
      <SidebarGroup />
      <SidebarGroup />
    </SidebarContent>
    <SidebarFooter />
  </Sidebar>
</template>
```

Your First Sidebar

Let's start with the most basic sidebar A collapsible sidebar with a menu.

1 Add a `SidebarProvider` and `SidebarTrigger` at the root of your application.

src/pages/index.vue

vue

```vue
<script setup lang="ts">
import { SidebarProvider, SidebarTrigger } from "@/components/ui/side
import AppSidebar from "@/components/AppSidebar.vue";
</script>

<template>
  <SidebarProvider>
    <AppSidebar />
    <main>
      <SidebarTrigger />
      <slot />
    </main>
  </SidebarProvider>
</template>
```

2 Create a new sidebar component at `@/components/AppSidebar.vue`.

@/components/AppSidebar.vue

vue

```vue
<script setup lang="ts">
import { Sidebar, SidebarContent } from "@/components/ui/sidebar";
</script>

```

Search... ⌘ K

```vue
  </Sidebar>
</template>
```

3 Now, let's add a `SidebarMenu` to the sidebar

We'll use the `SidebarMenu` component in a `SidebarGroup`.

@/components/AppSidebar.vue

vue

```vue
<script setup lang="ts">
import { Calendar, Home, Inbox, Search, Settings } from "lucide-vue
import {
  Sidebar,
  SidebarContent,
  SidebarGroup,
  SidebarGroupContent,
  SidebarGroupLabel,
  SidebarMenu,
  SidebarMenuButton,
  SidebarMenuItem,
} from "@/components/ui/sidebar"

// Menu items.
const items = [
  {
    title: "Home",
    url: "#",
    icon: Home,
  },
  {
    title: "Inbox",
    url: "#",
    icon: Inbox,
  },
  {
    title: "Calendar",
```

4 You've created your first sidebar

Your first sidebar

Components

The components in the `Sidebar*.vue` files are built to be composable i.e you build your sidebar by putting the provided components together. They also compose well with other shadcn-vue components such as `DropdownMenu`, `Collapsible`, `Dialog`, etc.

If you need to change the code in the `Sidebar*.vue` files, you are encourage to do so. The code is yours. Use the provided components as a starting point to build your own

In the next sections, we'll go over each component and how to use them.

SidebarProvider

The `SidebarProvider` component is used to provide the sidebar context to the `Sidebar` component. You should always wrap your application in a `SidebarProvider` component.

Props

Name	Type	Description
`defaultOpen`	`boolean`	Default open state of the sidebar.
`open`	`boolean`	Open state of the sidebar (controlled).
`onOpenChange`	`(open: boolean) ⇒ void`	Sets open state of the sidebar (controlled).

Width

If you have a single sidebar in your application, you can use the `SIDEBAR_WIDTH` and `SIDEBAR_WIDTH_MOBILE` constants in `@/components/ui/sidebar/utils.ts` to set the width of the sidebar

@/components/ui/sidebar/utils.ts

ts

```ts
export const SIDEBAR_WIDTH = "16rem";
export const SIDEBAR_WIDTH_MOBILE = "18rem";
```

For multiple sidebars in your application, you can use the `style` prop to set the width of the sidebar

To set the width of the sidebar, you can use the `--sidebar-width` and `--sidebar-width-mobile` CSS variables in the `style` prop.

vue

```vue
<template>
  <SidebarProvider
    style="--sidebar-width: 20rem; --sidebar-width-mobile: 20rem;"
  >
    <Sidebar />
  </SidebarProvider>
</template>
```

This will not only handle the width of the sidebar but also the layout spacing.

Keyboard Shortcut

The `SIDEBAR_KEYBOARD_SHORTCUT` variable in `@/components/ui/sidebar/utils.ts` is used to set the keyboard shortcut used to open and close the sidebar

To trigger the sidebar, you use the `cmd+b` keyboard shortcut on Mac and `ctrl+b` on Windows.

You can change the keyboard shortcut by changing the value of the `SIDEBAR_KEYBOARD_SHORTCUT` variable.

@/components/ui/sidebar/utils.ts

ts

```ts
export const SIDEBAR_KEYBOARD_SHORTCUT = "b";
```

Persisted State

The `SidebarProvider` supports persisting the sidebar state across page reloads and server-side rendering. It uses cookies to store the current state of the sidebar. When the sidebar state changes, a default cookie named `sidebar_state` is set with the current open/closed state. This cookie is then read on subsequent page loads to restore the sidebar state.

To persist sidebar state in SSR, set up your `SidebarProvider` in `App.vue` like this:

App.vue

vue

```vue
<!-- with Nuxt -->
<script setup lang="ts">
import { SidebarProvider, SidebarTrigger } from "@/components/ui/sidebar"
import AppSidebar from "@/components/AppSidebar.vue"

const defaultOpen = useCookie<boolean>("sidebar_state");
</script>

<template>
  <SidebarProvider :defaultOpen="defaultOpen">
    <AppSidebar />
    <main>
      <SidebarTrigger />
      <RouterView />  <!-- or <slot /> -->
    </main>
  </SidebarProvider>
</template>
```

You can change the name of the cookie by updating the `SIDEBAR_COOKIE_NAME` variable in `sidebar/utils.ts`.

@/components/ui/sidebar/utils.ts

ts

```ts
export const SIDEBAR_COOKIE_NAME = "sidebar_state"
```

Sidebar

The main `Sidebar` component used to render a collapsible sidebar

vue

```vue
<script setup lang="ts">
import { Sidebar } from "@/components/ui/sidebar";
</script>

<template>
  <Sidebar />
</template>
```

Props

Property	Type	Description
`side`	`left` or `right`	The side of the sidebar
`variant`	`sidebar` , `floating` , or `inset`	The variant of the sidebar
`collapsible`	`offcanvas` , `icon` , or `none`	Collapsible state of the sidebar

side

Use the `side` prop to change the side of the sidebar

Available options are `left` and `right` .

vue

```vue
<Sidebar side="left | right" />
```

variant

Use the `variant` prop to change the variant of the sidebar

Available options are `sidebar` , `floating` and `inset` .

vue

```vue
<Sidebar variant="sidebar | floating | inset" />
```

Note: If you use the `inset` variant, remember to wrap your main content in a `SidebarInset` component.

vue

```vue
<template>
  <SidebarProvider>
    <Sidebar variant="inset">
      <SidebarInset>
        <main>
          <slot />
        </main>
      </SidebarInset>
    </Sidebar>
  </SidebarProvider>
</template>
```

collapsible

Use the `collapsible` prop to make the sidebar collapsible

Available options are `offcanvas`, `icon` and `none`.

vue

```vue
<Sidebar collapsible="offcanvas | icon | none" />
```

Prop	Description
`offcanvas`	A collapsible sidebar that slides in from the left or right.
`icon`	A sidebar that collapses to icons.
none	A non-collapsible sidebar

useSidebar

The `useSidebar` composable is used to control the sidebar.

vue

```vue
<script setup lang="ts">
import { useSidebar } from "@/components/ui/sidebar";

const {
  state,
  open,
  setOpen,
  openMobile,
  setOpenMobile,
  isMobile,
  toggleSidebar,
} = useSidebar()
</script>
```

Property	Type	Description
`state`	`expanded or collapsed`	The current state of the sidebar.
`open`	`boolean`	Whether the sidebar is open.
`setOpen`	`(open: boolean) => void`	Sets the open state of the sidebar.
`openMobile`	`boolean`	Whether the sidebar is open on mobile.
`setOpenMobile`	`(open: boolean) => void`	Sets the open state of the sidebar on mobile.
`isMobile`	`boolean`	Whether the sidebar is on mobile.
`toggleSidebar`	`() => void`	Toggles the sidebar. Desktop and mobile.

SidebarHeader

Use the `SidebarHeader` component to add a sticky header to the sidebar

The following example adds a `<DropdownMenu>` to the `SidebarHeader`.

A sidebar header with a dropdown menu.

@/components/AppSidebar.vue

vu

```vue
<template>
  <Sidebar>
    <SidebarHeader>
      <SidebarMenu>
        <SidebarMenuItem>
          <DropdownMenu>
            <DropdownMenuTrigger asChild>
                <SidebarMenuButton>
                  Select Workspace
                  <ChevronDown class="ml-auto" />
                </SidebarMenuButton>
            </DropdownMenuTrigger>
            <DropdownMenuContent class="w-[--bits-dropdown-menu-anchor-wi
              <DropdownMenuItem>
                <span>Acme Inc</span>
              </DropdownMenuItem>
              <DropdownMenuItem>
                <span>Acme Corp.</span>
              </DropdownMenuItem>
            </DropdownMenuContent>
          </DropdownMenu>
```

```
        </SidebarMenuItem>
      </SidebarMenu>
    </SidebarHeader>
  </Sidebar>
</template>
```

SidebarFooter

Use the `SidebarFooter` component to add a sticky footer to the sidebar

The following example adds a `<DropdownMenu>` to the `SidebarFooter`.

A sidebar footer with a dropdown menu.

@/components/AppSidebar.vue

```vu
<template>
  <SidebarProvider>
    <Sidebar>
      <SidebarHeader />
      <SidebarContent />
      <SidebarFooter>
        <SidebarMenu>
```

```
          <SidebarMenuItem>
            <DropdownMenu>
              <DropdownMenuTrigger asChild>
                <SidebarMenuButton>
                  <User2 /> Username
                  <ChevronUp class="ml-auto" />
                </SidebarMenuButton>
              </DropdownMenuTrigger>
              <DropdownMenuContent
                side="top"
                class="w-[--reka-popper-anchor-width]"
              >
                <DropdownMenuItem>
                  <span>Account</span>
                </DropdownMenuItem>
                <DropdownMenuItem>
                  <span>Billing</span>
                </DropdownMenuItem>
                <DropdownMenuItem>
                  <span>Sign out</span>
```

SidebarContent

The `SidebarContent` component is used to wrap the content of the sidebar This is where you add your `SidebarGroup` components. It is scrollable.

vue

```vue
<template>
  <Sidebar>
    <SidebarContent>
      <SidebarGroup />
      <SidebarGroup />
    </SidebarContent>
  </Sidebar>
</template>
```

SidebarGroup

Use the `SidebarGroup` component to create a section within the sidebar

A `SidebarGroup` has a `SidebarGroupLabel` , a `SidebarGroupContent` and an optional `SidebarGroupAction` .

A sidebar group.

vue

```vue
<template>
  <Sidebar>
    <SidebarContent>
      <SidebarGroup>
        <SidebarGroupLabel>Application</SidebarGroupLabel>
        <SidebarGroupAction>
          <Plus /> <span class="sr-only">Add Project</span>
        </SidebarGroupAction>
        <SidebarGroupContent></SidebarGroupContent>
      </SidebarGroup>
    </SidebarContent>
  </Sidebar>
</template>
```

Collapsible SidebarGroup

To make a `SidebarGroup` collapsible, wrap it in a `Collapsible`.

A collapsible sidebar group.

vue

```vue
<template>
  <Collapsible defaultOpen class="group/collapsible">
    <SidebarGroup>
      <SidebarGroupLabel asChild>
        <CollapsibleTrigger>
          Help
          <ChevronDown class="ml-auto transition-transform group-data-[sta
        </CollapsibleTrigger>
      </SidebarGroupLabel>
      <CollapsibleContent>
        <SidebarGroupContent />
      </CollapsibleContent>
    </SidebarGroup>


```

```
    </Collapsible>
  </template>
```

Note: We wrap the `CollapsibleTrigger` in a `SidebarGroupLabel` to render a button.

SidebarGroupAction

Use the `SidebarGroupAction` component to add an action to a `SidebarGroup`.

vue

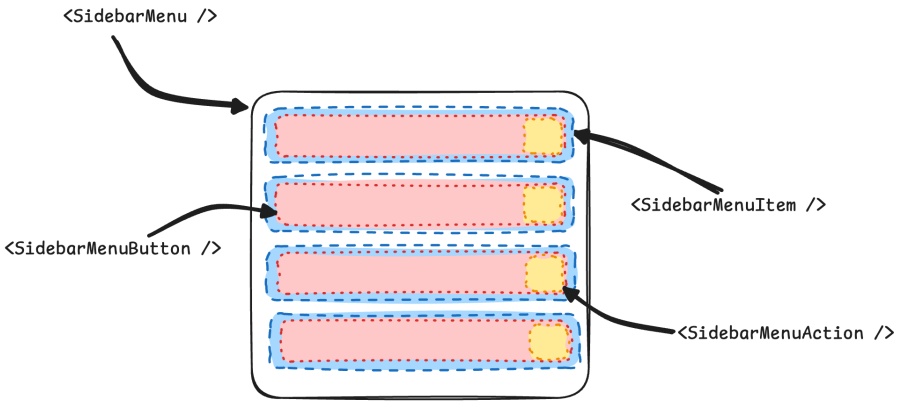
```vue
<template>
  <SidebarGroup>
    <SidebarGroupLabel>Projects</SidebarGroupLabel>
    <SidebarGroupAction title="Add Project">
      <Plus /> <span class="sr-only">Add Project</span>
    </SidebarGroupAction>
    <SidebarGroupContent />
  </SidebarGroup>
</template>
```

A sidebar group with an action button.

SidebarMenu

The `SidebarMenu` component is used for building a menu within a `SidebarGroup`.

A `SidebarMenu` is composed of `SidebarMenuItem`, `SidebarMenuButton`, `SidebarMenuAction`, and `SidebarMenuSub` components.



Here's an example of a `SidebarMenu` component rendering a list of projects.

A sidebar menu with a list of projects.

vue

```vue
<template>
<Sidebar>
  <SidebarContent>
    <SidebarGroup>
      <SidebarGroupLabel>Projects</SidebarGroupLabel>
      <SidebarGroupContent>
        <SidebarMenu>
            <SidebarMenuItem v-for="project in projects" :key="project.name
              <SidebarMenuButton asChild>
                <a :href="project.url">
                  <component :is="project.icon" />
                  <span>{{project.name}}</span>
                </a>
              </SidebarMenuButton>
            </SidebarMenuItem>
        </SidebarMenu>
      </SidebarGroupContent>
    </SidebarGroup>
  </SidebarContent>
</Sidebar>
</template>
```

SidebarMenuButton

The `SidebarMenuButton` component is used to render a menu button within a `SidebarMenuItem`.

Link or Anchor

By default, the `SidebarMenuButton` renders a button, but you can use the `asChild` prop to render a different component such as an `<a>` tag.

vue

```vue
<template>
  <SidebarMenuButton asChild>
    <a href="#">Home</a>
  </SidebarMenuButton>
</template>
```

Icon and Label

You can render an icon and a truncated label inside the button. Remember to wrap the label in a `<span>` tag.

vue

```vue
<template>
  <SidebarMenuButton asChild>
    <a href="#">
      <Home />
      <span>Home</span>
    </a>
  </SidebarMenuButton>
</template>
```

isActive

Use the `isActive` prop to mark a menu item as active.

vue

```vue
<template>
  <SidebarMenuButton asChild isActive>
    <a href="#">Home</a>
  </SidebarMenuButton>
</template>
```

SidebarMenuAction

The `SidebarMenuAction` component is used to render a menu action within a `SidebarMenuItem`.

This button works independently of the `SidebarMenuButton` i.e. you can have the `SidebarMenuButton` as a clickable link and the `SidebarMenuAction` as a button.

vue

```vue
<template>
  <SidebarMenuItem>
    <SidebarMenuButton asChild>
      <a href="#">
        <Home />
        <span>Home</span>
      </a>
    </SidebarMenuButton>
    <SidebarMenuAction>
      <Plus /> <span class="sr-only">Add Project</span>
    </SidebarMenuAction>
  </SidebarMenuItem>
</template>
```

DropdownMenu

Here's an example of a `SidebarMenuAction` component rendering a `DropdownMenu`.

A sidebar menu action with a dropdown menu.

vue

```vue
<template>
<SidebarMenuItem>
  <SidebarMenuButton asChild>
    <a href="#">
      <Home />
      <span>Home</span>
    </a>
  </SidebarMenuButton>
  <DropdownMenu>
    <DropdownMenuTrigger asChild>
      <SidebarMenuAction>
        <MoreHorizontal />
      </SidebarMenuAction>
    </DropdownMenuTrigger>
    <DropdownMenuContent side="right" align="start">
      <DropdownMenuItem>
        <span>Edit Project</span>
      </DropdownMenuItem>
      <DropdownMenuItem>
        <span>Delete Project</span>
      </DropdownMenuItem>
    </DropdownMenuContent>
  </DropdownMenu>
</SidebarMenuItem>
</template>
```

SidebarMenuSub

The `SidebarMenuSub` component is used to render a submenu within a `SidebarMenu`.

Use `SidebarMenuSubItem` and `SidebarMenuSubButton` to render a submenu item.

A sidebar menu sub.

vue

```vue
<template>
  <SidebarMenuItem>
    <SidebarMenuButton />
    <SidebarMenuSub>
      <SidebarMenuSubItem>
        <SidebarMenuSubButton />
      </SidebarMenuSubItem>
      <SidebarMenuSubItem>
        <SidebarMenuSubButton />
      </SidebarMenuSubItem>
    </SidebarMenuSub>
  </SidebarMenuItem>
</template>
```

Collapsible SidebarMenu

To make a `SidebarMenu` component collapsible, wrap it and the `SidebarMenuSub` components in a `Collapsible`.

A collapsible sidebar menu.

vue

```vue
<template>
  <SidebarMenu>
    <Collapsible defaultOpen class="group/collapsible">
      <SidebarMenuItem>
        <CollapsibleTrigger asChild>
          <SidebarMenuButton />
        </CollapsibleTrigger>
        <CollapsibleContent>
          <SidebarMenuSub>
            <SidebarMenuSubItem />
          </SidebarMenuSub>
        </CollapsibleContent>
      </SidebarMenuItem>
    </Collapsible>
  </SidebarMenu>
</template>
```

SidebarMenuBadge

The `SidebarMenuBadge` component is used to render a badge within a `SidebarMenuItem`.

A sidebar menu badge.

vue

```vue
<template>
  <SidebarMenuItem>
    <SidebarMenuButton />
    <SidebarMenuBadge>24</SidebarMenuBadge>
  </SidebarMenuItem>
</template>
```

SidebarMenuSkeleton

The `SidebarMenuSkeleton` component is used to render a skeleton within a `SidebarMenu`. You can use this to show a loading state while waiting for data to load.

vue

```vue
<template>
  <SidebarMenu>
    <SidebarMenuItem v-for="i in 5" :key="i">
      <SidebarMenuSkeleton />
```

```
      </SidebarMenuItem>
    </SidebarMenu>
  </template>
```

SidebarSeparator

The `SidebarSeparator` component is used to render a separator within a `Sidebar`.

vue

```
<template>
  <Sidebar>
    <SidebarHeader />
    <SidebarSeparator />
    <SidebarContent>
      <SidebarGroup />
      <SidebarSeparator />
      <SidebarGroup />
    </SidebarContent>
  </Sidebar>
</template>
```

SidebarTrigger

Use the `SidebarTrigger` component to render a button that toggles the sidebar.

The `SidebarTrigger` component must be used within a `SidebarProvider`.

vue

```
<template>
  <SidebarProvider>
    <Sidebar />
    <main>
      <SidebarTrigger />
    </main>
  </SidebarProvider>
</template>
```

Custom Trigger

To create a custom trigger, you can use the `useSidebar` composable.

vue

```vue
<script setup lang="ts">
import { useSidebar } from "@/components/ui/sidebar";
const { toggleSidebar } = useSidebar();
</script>

<template>
  <button @click="toggleSidebar">Toggle Sidebar</button>
</template>
```

SidebarRail

The `SidebarRail` component is used to render a rail within a `Sidebar`. This rail can be used to toggle the sidebar

vue

```vue
<template>
  <Sidebar>
    <SidebarHeader />
    <SidebarContent>
      <SidebarGroup />
    </SidebarContent>
    <SidebarFooter />
    <SidebarRail />
  </Sidebar>
</template>
```

Controlled Sidebar

Use the `open` prop and `@update:open` emit (or `v-model:open`) to control the sidebar state.

A controlled sidebar.

vue

```vue
<script setup lang="ts">
import { SidebarProvider, Sidebar } from "@/components/ui/sidebar";
import { ref } from "vue"

const open = ref(false)
</script>

<template>
  <SidebarProvider v-model:open="open">
    <Sidebar />
  </SidebarProvider>
</template>
```

Theming

We use the following CSS variables to theme the sidebar

css

```css
@layer base {
  :root {
```

```
    --sidebar-background: 0 0% 98%;
    --sidebar-foreground: 240 5.3% 26.1%;
    --sidebar-primary: 240 5.9% 10%;
    --sidebar-primary-foreground: 0 0% 98%;
    --sidebar-accent: 240 4.8% 95.9%;
    --sidebar-accent-foreground: 240 5.9% 10%;
    --sidebar-border: 220 13% 91%;
    --sidebar-ring: 217.2 91.2% 59.8%;
  }

  .dark {
    --sidebar-background: 240 5.9% 10%;
    --sidebar-foreground: 240 4.8% 95.9%;
    --sidebar-primary: 0 0% 98%;
    --sidebar-primary-foreground: 240 5.9% 10%;
    --sidebar-accent: 240 3.7% 15.9%;
    --sidebar-accent-foreground: 240 4.8% 95.9%;
    --sidebar-border: 240 3.7% 15.9%;
    --sidebar-ring: 217.2 91.2% 59.8%;
  }
}
```

We intentionally use different variables for the sidebar and the rest of the application to make it easy to have a sidebar that is styled differently from the rest of the application. Think a sidebar with a darker shade from the main application.

Styling

Here are some tips for styling the sidebar based on different states.

- **Styling an element based on the sidebar collapsible state.** The following will hide the `SidebarGroup` when the sidebar is in `icon` mode.

vue

```
<template>
  <Sidebar collapsible="icon">
    <SidebarContent>
      <SidebarGroup class="group-data-[collapsible=icon]:hidden" />
    </SidebarContent>
```

```
    </Sidebar>
  </template>
```

- **Styling a menu action based on the menu button active state.** The following will force the menu action to be visible when the menu button is active.

vue

```
<template>
  <SidebarMenuItem>
    <SidebarMenuButton />
    <SidebarMenuAction
      class="peer-data-[active=true]/menu-button:opacity-100"
    />
  </SidebarMenuItem>
</template>
```

You can find more tips on using states for styling in this Twitter thread.

Edit this page on GitHub

Built by shadcn. Ported to Vue by unovue. The code source is available on GitHub.