

Design System Components

When building components, the NEAR VM provides a complete set of [Radix primitives](#) to simplify UI development.

Radix UI

Using embedded Radix primitives on the NEAR VM is simple and straight-forward. You don't need to import any files:

```
return
```

```
( < Label . Root className = "LabelRoot"
```

```
    Hello
```

```
World ! < / Label . Root
```

```
) ; Limitations Currently, NEAR VM impose some limitations on the Radix UI framework:
```

- Form
- component is not available.
- You can't use Portal
- definitions.
- Using CSS is different. You'll have to use styled.div
- wrapper.

Using CSS

Here is an example on how to use CSS through the styled.div wrapper:

```
const
```

```
Wrapper
```

```
= styled . div ` .SwitchRoot
```

```
{ ... } .SwitchThumb
```

```
{ ... } ` ;
```

```
return
```

```
( < Wrapper
```

```
    < Switch . Root className = "SwitchRoot"
```

```
    < Switch . Thumb className = "SwitchThumb"
```

```
/
```

```
< / Switch . Root
```

```
< / Wrapper
```

```
) ; Using Wrapper Example widget using Wrapper
```

Using styled-components

You can use [styled-components](#) in combination with Radix UI primitives. Here's an example:

```
const
```

```
SwitchRoot
```

```
=
```

```
styled ( "Switch.Root" ) ` all : unset ; display : block ; width :
```

```
42 px ; height :
```

```

25 px ; background-color :
var ( --blackA9 ) ; border-radius :
9999 px ; position : relative ; box-shadow :
0
2 px
10 px
var ( --blackA7 ) ;
& [ data-state = "checked" ]
{ background-color :
black ; } ` ;
const
SwitchThumb
=
styled ( "Switch.Thumb" ) ` all : unset ; display : block ; width :
21 px ; height :
21 px ; background-color :
white ; border-radius :
9999 px ; box-shadow :
0
2 px
2 px
var ( --blackA7 ) ; transition : transform 100 ms ; transform :
translateX ( 2 px ) ; will-change : transform ;
& [ data-state = "checked" ]
{ transform :
translateX ( 19 px ) ; } ` ;
return
( < SwitchRoot
    < SwitchThumb
/
    < / SwitchRoot
) ; Using styled components Example widget using styled components to style Radix UI.

```

Forward references

The NEAR VM re-implements [React's forwardRef](#) as `asref="forwardedRef"` .

You can use `asref="forwardedRef"` to forward references through to support Radix's `asChild` property:

`Dialog.jsx` < `AlertDialog` . Trigger `asChild`

```

< Widget src = "near/widget/TestButton" props = { {

```

```

label :
"Click Me"
} } /
    < / AlertDialog . Trigger
    TestButton.jsx const
Button
= styled . button ` background :

foo

; ` ;
return
( < Button type = "button" ref = "forwardedRef"
    { props . label } :
Forwarded < / Button
    ) ;

```

DIG components

These are the Design Interface Guidelines (DIG) components available on the NEAR VM:

- [DIG.Button](#)
- [DIG.Theme](#)

DIG.Button

A fully featured button component that can act as a

or tag.

DIG.Button properties [Click here](#) for properties and details.

DIG.Theme

This component wraps all of NEAR Components so you don't need to render it yourself.

tip You can use any of the [CSS variables](#) defined inside DIG.Theme . [Edit this page](#) Last updated on Jan 12, 2024
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