

# ios-menu-comp

**ios-menu-comp** is a Vue.js (version  $\geq 2.5$ ) web component based on client-side navigation. It provides an open/closed menu of local routing links to an application's html pages.

**ios-menu-comp** can be installed via with the included `package.json` file for a local installation via the [npm install](#) command. **button-comp** depends on the [vue.js](#) framework and [vue-router](#) . A demo folder is provided that used [Parcel](#) together with its associated `package.json` file to bundle together **ios-menu-comp** with its dependencies for a simple application. Further details are provided below for running the demo.

## Props

A prop in Vue.js is a custom attribute for passing information from a parent component hosting **ios-menu-comp** instance(s) to an **ios-menu-comp** as a child component. **ios-menu-comp** has the following prop for a parent to bind and send information to:

`css_variables` -- defines the css variables for quick, easy styling of **ios-menu-comp** (object, default: null)

`routes` -- an array of objects that defines the linkage/paths from the menu items to other local Vue.js web components (array, default: []). Each object in the array defines a specific menu item with a specific path and is broken out as follows:

```
{
  path: '/bitcoin'           //the local url path for the menu item
  component: CoinComp       //the component to be displayed when the menu
  item is clicked
  props: {coin_type:'bitcoin'} //any props that the component requires
  name: Bitcoin             //the name of the menu item
  icon: '&#36;'               //the html character code icon positioned before
  the item's name
  heading: 'Coin Types'     //the heading to be placed above the menu item;
  can be null
}
```

At a minimum `path` , `component` , and `name` should be defined.

## Styling

The **css\_variables** prop is a javascript object that contains any combination of css variable names as keys and associated values for quick, limited styling of **ios-menu-comp** . The following list is the css variable names along with their default values:

```
{
  ios_menu_comp_font_family: 'verdana, serif',

  ios_menu_comp_trigger_icon: '\2630',
  ios_menu_comp_trigger_background_color: '#dfe5eb',
  ios_menu_comp_trigger_color: 'black'

  ios_menu_comp_background: 'transparent',
```

```
ios_menu_comp_border: '1px solid black',

ios_menu_comp_menuitem_color: 'black',
ios_menu_comp_menuitem_font_size: '.7rem',
ios_menu_comp_menuitem_icon_color: 'black',
ios_menu_comp_menuitem_bar_color: 'black'
}
```

As an example you could bind the following object to an instance of **ios-menu-comp** to set the menu's background and menu item color:

```
{ios_menu_comp_background: 'brown', ios_menu_comp_menuitem_color: 'gold'}
```

Note that multiple **ios-menu-comp** children of the parent can each be bound to a unique set of `css_variable` prop objects. To enforce the same styling across all **ios-menu-comp** children, simply bind just one `css_variable` prop object to all the **ios-menu-comp** children.

## Events

There are no events defined for **ios-menu-comp**.

## Demonstration

A demonstration of **ios-menu-comp** is provided in the [IosMenuComp](#) repository by hosting the `index.html` file under the `dist` folder. The parent component (templated in the `App.vue` file) defines a menu with four menu items and their associated paths to Vue.js components `HomeComp`, `CoinsComp` (2), and `AboutComp`. We can navigate among all four of the menu items from the main menu. The application itself uses the javascript `fetch` method to get the current exchange rates for Bitcoin and Ethereum at the [coin market site](#).

As a suggestion, install [http-server](#) locally/globally via [npm](#) then enter the command `http-server` in the **ios-menu-comp** `dist` directory. From a browser enter the url: `localhost:8080/` to view the demo.

Here is some example code for using **ios-menu-comp** taken from the `App.vue` file :

```
import {IosMenuComp} from '../IosMenuComp.js';
import {coin_routes} from './coin_routes.js';
Vue.use(VueRouter);
const router = new VueRouter({
  routes: coin_routes
});

const vue_instance = new Vue({
  el: '#app',
  template: `
    <div class='demo_container'>
      <ios-menu-comp
        :routes="coin_routes">
      </ios-menu-comp>
    </div>
  `,
  router,
  data() {
```

```

    return {
      coin_routes: coin_routes,
    }
  },
  components: {
    IosMenuComp
  }
});

```

The `coin_routes.js` module file exports the `coin_routes` array that is defined as follows:

```

import {HomeComp} from "../components/HomeComp.js";
import {CoinsComp} from "../components/CoinsComp.js";
import {AboutComp} from "../components/AboutComp.js";

export const coin_routes = [
  {path: '/', component: HomeComp, name: 'Home', icon: '🏠', heading: null},
  {path: '/bitcoin', component: CoinsComp, props: {coin_type:'bitcoin'}, name:
'Bitcoin', icon: '₿', heading: 'Coin Types'},
  {path: '/ethereum', component: CoinsComp, props: {coin_type:'ethereum'}, name:
'Ethereum', icon: 'Ξ', heading: null},
  {path: '/about', component: AboutComp, name: 'About', icon: 'ℹ️', heading:
null}
];

```

Again, html character codes for the icons. Note the assignment of `props` for the CoinsComp component.