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Awesome frontend libraries swiper

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Introduction

Swiper is one of the most widely used slider libraries on the web, designed with a strong focus on high performance, flexibility, and smooth, native-like touch interactions. It powers countless sliders in websites, web applications, and digital products worldwide.

With its lightweight and modular architecture, Swiper integrates effortlessly with modern frameworks such as React, Vue, Svelte, and even plain JavaScript — giving developers full control and a seamless user experience.

Swiper is available for JavaScript, React, Vue, and Web Components, and can be easily integrated into frameworks like Svelte, Angular, Next.js, Ember, and many more.

In this mini-project, we have two separate folders: **JavaScript** and **React**.

Each folder contains one or two slider implementations built using the **Swiper** library.

The JavaScript folder demonstrates how to integrate Swiper with plain HTML, CSS, and JS, while the React folder showcases how to set up and use Swiper inside a React application.

How to install swiper if we want to use javascript?

The easiest way to add **Swiper** to your project is by installing it via **NPM**.

This method is recommended for modern development workflows and allows you to manage versions easily.

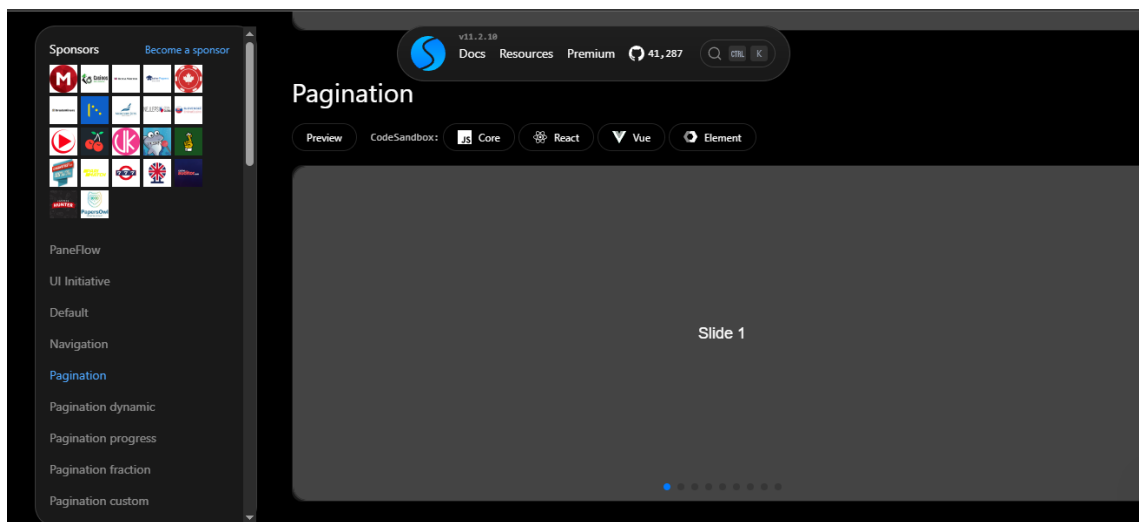
```
npm install swiper
```

Once you have installed Swiper in your desired folder using the above command, move the swiper directory from the node_modules folder to your project directory.

Go to the official **Swiper** website.

From the **Resources** section in the menu, navigate to the **Demos** page.

There, you can find various types of sliders that you can use and customize for your project.



From the available sliders, choose one that you want to use with **JavaScript**.

In the **CodeSandbox** section, select the **JS Core** option to view and work with the plain JavaScript version of the slider.

In your project folder, create three files: `index.html`, `styles.css`, and `script.js` to get started.

Inside the `<head>` and `<body>` tags of your HTML file, add the following code to set up the basic structure:

```
7 <link rel="stylesheet" href="./swiper/swiper-bundle.min.css" />
```

```
28 <script src="./swiper/swiper-bundle.min.js"></script>
29
```

When the CodeSandbox loads, copy the **HTML** code and paste it into your own index.html file.

Inside the <style> tags of the sandbox, you'll find the **CSS** code related to the slider. Copy this CSS and paste it into your styles.css file.

Similarly, copy the **JavaScript** code inside the <script> tags and paste it into your script.js file.

Now your slider is ready to use.

For a better understanding, review the code provided in the javascript folder.

How to install swiper if we want to use React?

Swiper React is available only via NPM as a part of the main Swiper library:

```
npm i swiper
```

First, create a new React project using a tool like **Vite**:

```
npm create vite@latest
```

After setting up the project, follow similar steps as in the JavaScript version.

When you select your desired slider on the Swiper website, go to the **CodeSandbox** section and choose the **React** option.

Once the React sandbox loads, copy the code from the provided files such as App.jsx, main.jsx, and styles.css into your own React project.

To better understand the implementation, review the code inside the react folder of this repository.

Note : Before reviewing or running the code, make sure to install the necessary modules by running:

```
npm install
```