

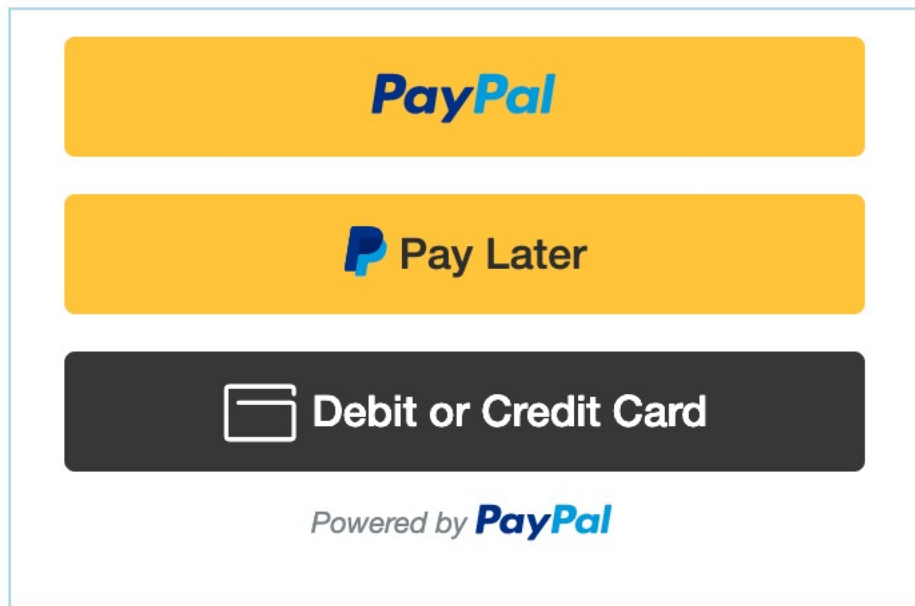
# Smart Payment Buttons with Frontend Frameworks

How to add PayPal buttons to a modern web app

Amy Egan

# What are Smart Payment Buttons?

Smart Payment Buttons allow users to pay with PayPal, credit cards, and other payment methods depending on the configuration provided and payment method availability



# How It Works

```
1 <body>
2   <script src="https://www.paypal.com/sdk/js?client-id=test"></script>
3
4   <div id="paypal-button-container"></div>
5
6   <script>
7     // This function displays Smart Payment Buttons on your web page.
8     paypal.Buttons().render('#paypal-button-container');
9   </script>
10 </body>
```

# The Problem

The PayPal Developer documentation provides examples mostly in vanilla JavaScript and HTML, but I need to add the buttons to a web app built in Angular, React, Vue, Svelte, etc.



# Three Options


1. Include the script tag in your base index.html page and use a button driver in your checkout component. Works with React, Angular, and Vue
2. Import `@paypal/paypal-js` to your checkout component for maximum flexibility in an Angular, Vue, or Svelte app. Works with any Node frontend framework
3. Import `@paypal/react-paypal-js` to your application to quickly and easily get buttons in a React app



`<script src=  
"paypal.com/sdk/js">  
</script>`

`import  
{loadScript} from  
'@paypal/paypal-js'`

Corporate needs you to find the differences  
between this picture and this picture.



They're the same picture.

# Option 1: The script tag

First, add the script tag to the `index.html` page in your project

```
<script src=<u>"https://www.paypal.com/sdk/js?client-id=test"</u>></script>
```

# Option 1: The script tag

Then, import the PayPalButton component driver

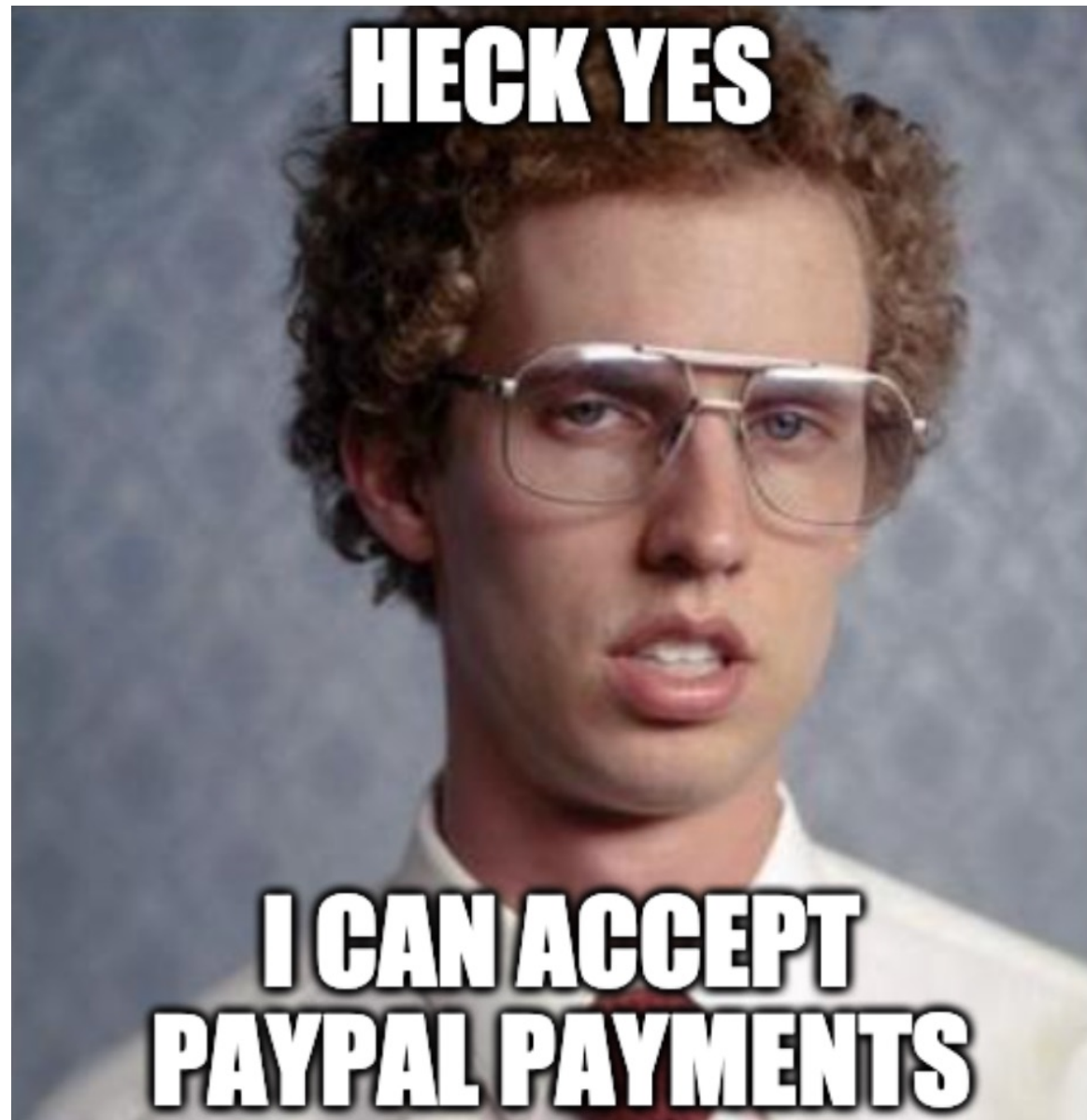
```
7  <script>
8    import Vue from 'vue';
9    const PayPalButton = window.paypal.Buttons.driver("vue", Vue);
10  export default {
11    name: 'Checkout',
12    components: {
13      "paypal-buttons": PayPalButton
14    }
15  }
16  </script>
```



# Option 1: The script tag

Finally, add the `paypal-buttons` component to your template

```
1  <template>
2  <div>
3    <paypal-buttons></paypal-buttons>
4  </div>
5  </template>
```



**HECK YES**

**I CAN ACCEPT  
PAYPAL PAYMENTS**

## Option 2: @paypal/paypal-js

Install @paypal/paypal-js

```
> npm install @paypal/paypal-js
```

## Option 2: @paypal/paypal-js

```
1  <script>
2    import { loadScript } from "@paypal/paypal-js";
3
4    loadScript({ "client-id": "test" })
5      .then((paypal) => {
6        paypal.Buttons().render("#paypal-button");
7      })
8      .catch((err) => {
9        console.error("Failed to load the PayPal JS SDK script", err);
10      });
11  </script>
12
13  <div id="paypal-button" />
```

**ADDED  
PAYPAL BUTTONS**



**ACCEPTING PAYMENTS  
ONLINE**

## Option 3: @paypal/react-paypal-js

Install @paypal/react-paypal-js

```
> npm install @paypal/react-paypal-js
```

## Option 3: @paypal/react-paypal-js

```
1  import { PayPalScriptProvider } from "@paypal/react-paypal-js"
2  import Checkout from './Checkout'
3
4  function App() {
5    return (
6      <PayPalScriptProvider options={{ "client-id": "test" }}>
7        <div className="App">
8          <Checkout />
9        </div>
10     </PayPalScriptProvider>
11   );
12 }
13
14 export default App;
```

## Option 3: @paypal/react-paypal-js

```
1  import { PayPalButtons } from "@paypal/react-paypal-js";
2
3  ✓ function Checkout() {
4  ✓   return (
5  ✓     <div>
6  ✓       <PayPalButtons />
7     </div>
8   );
9 }
10
11 export default Checkout;
```





JS@



2021

# #JsPayPal2021AmyEgan9986

# Other Good Resources

- The Set Up Standard Payments guide will walk you through getting started with your developer account and basic button configuration steps [developer.paypal.com/docs/business/checkout/set-up-standard-payments/](https://developer.paypal.com/docs/business/checkout/set-up-standard-payments/)
- The JS SDK Reference page provides more details on the script and button options [developer.paypal.com/docs/business/javascript-sdk/](https://developer.paypal.com/docs/business/javascript-sdk/)

# If you want to dig into the examples...

The code I used in my examples is available on GitHub

- [github.com/paypal-examples/vue-integration/tree/script-tag-integration](https://github.com/paypal-examples/vue-integration/tree/script-tag-integration)
- [github.com/paypal-examples/svelte-paypal-js](https://github.com/paypal-examples/svelte-paypal-js)
- [github.com/paypal-examples/react-integration](https://github.com/paypal-examples/react-integration)

Bonus examples

- [github.com/paypal-examples/ng-integration](https://github.com/paypal-examples/ng-integration)
- [github.com/amyegan/svelte-shop](https://github.com/amyegan/svelte-shop)

# Thank You!

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