

Creando un **UI Kit** *con* **Vue**

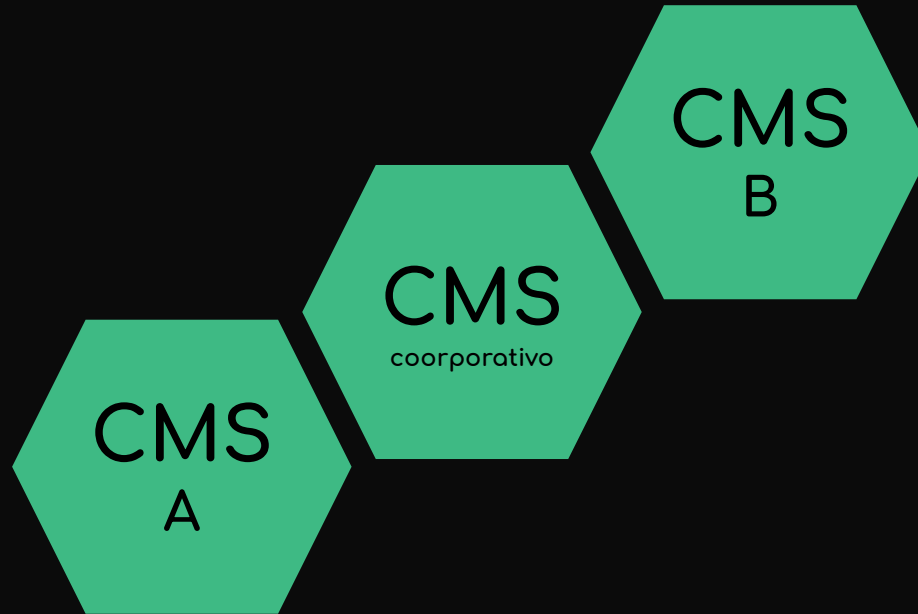
Web Master

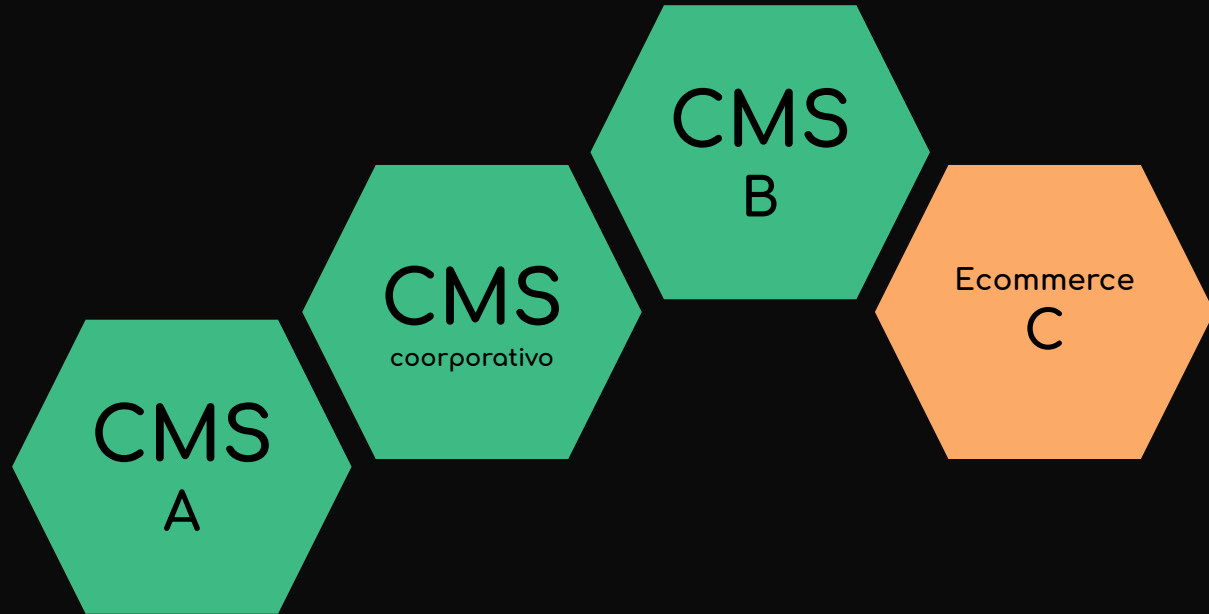
Web Developer

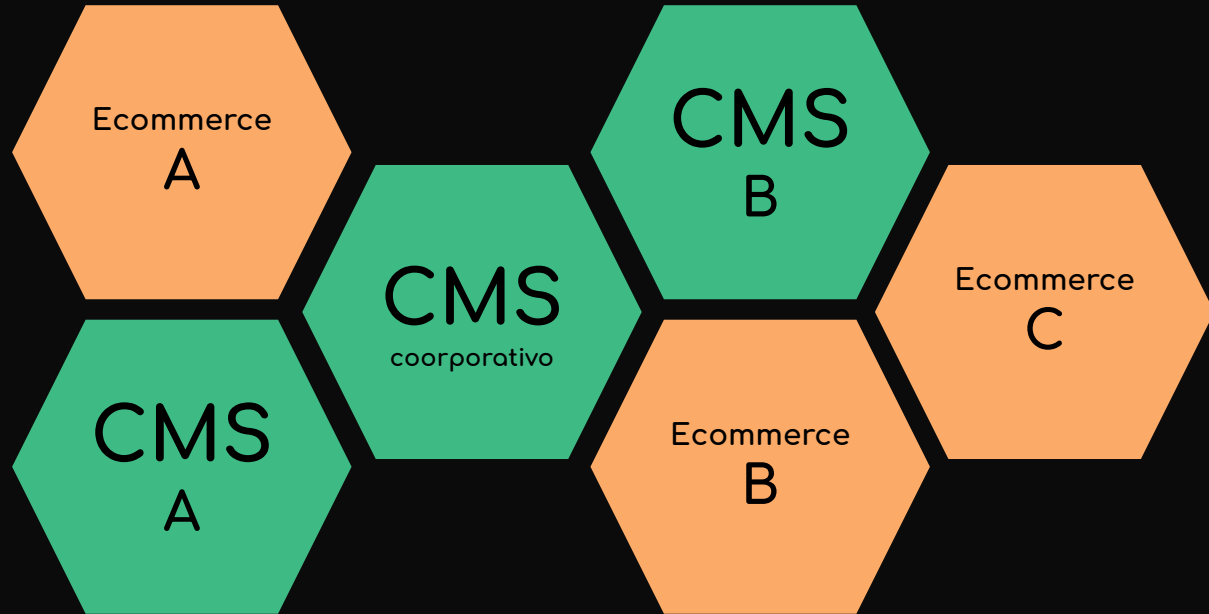
Frontend
Backend *Developer*

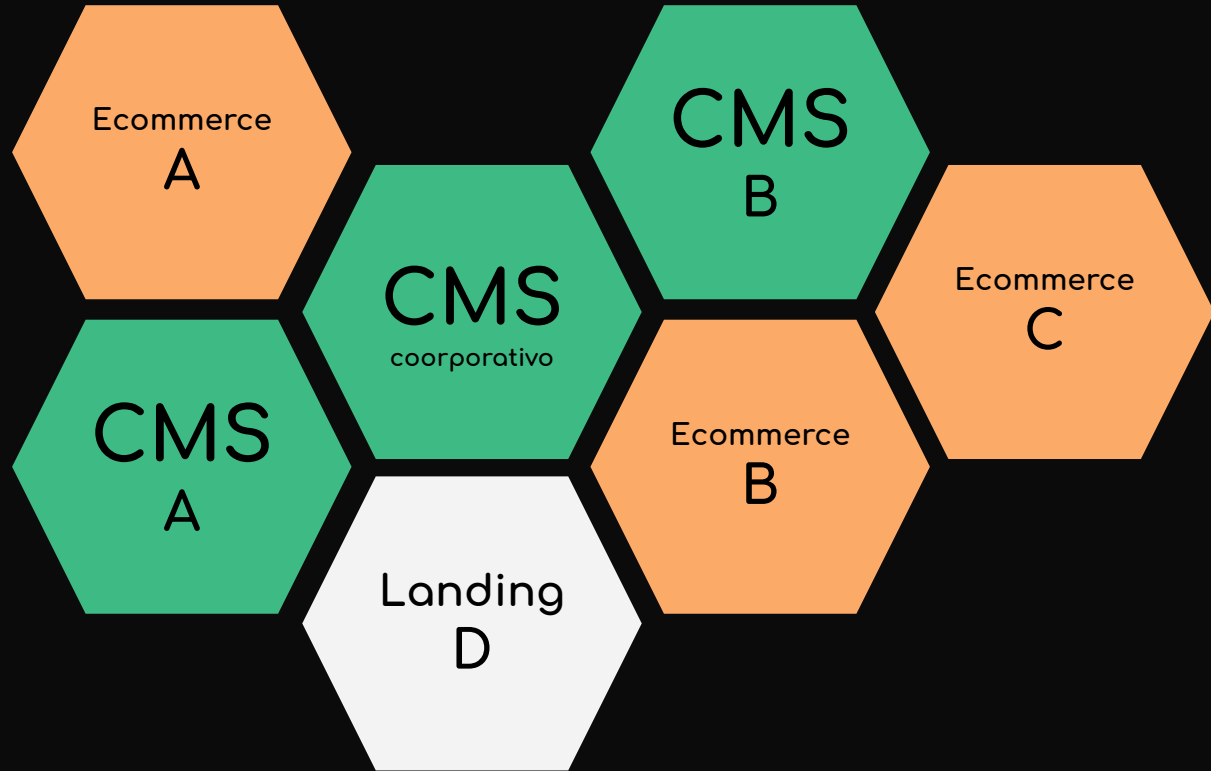


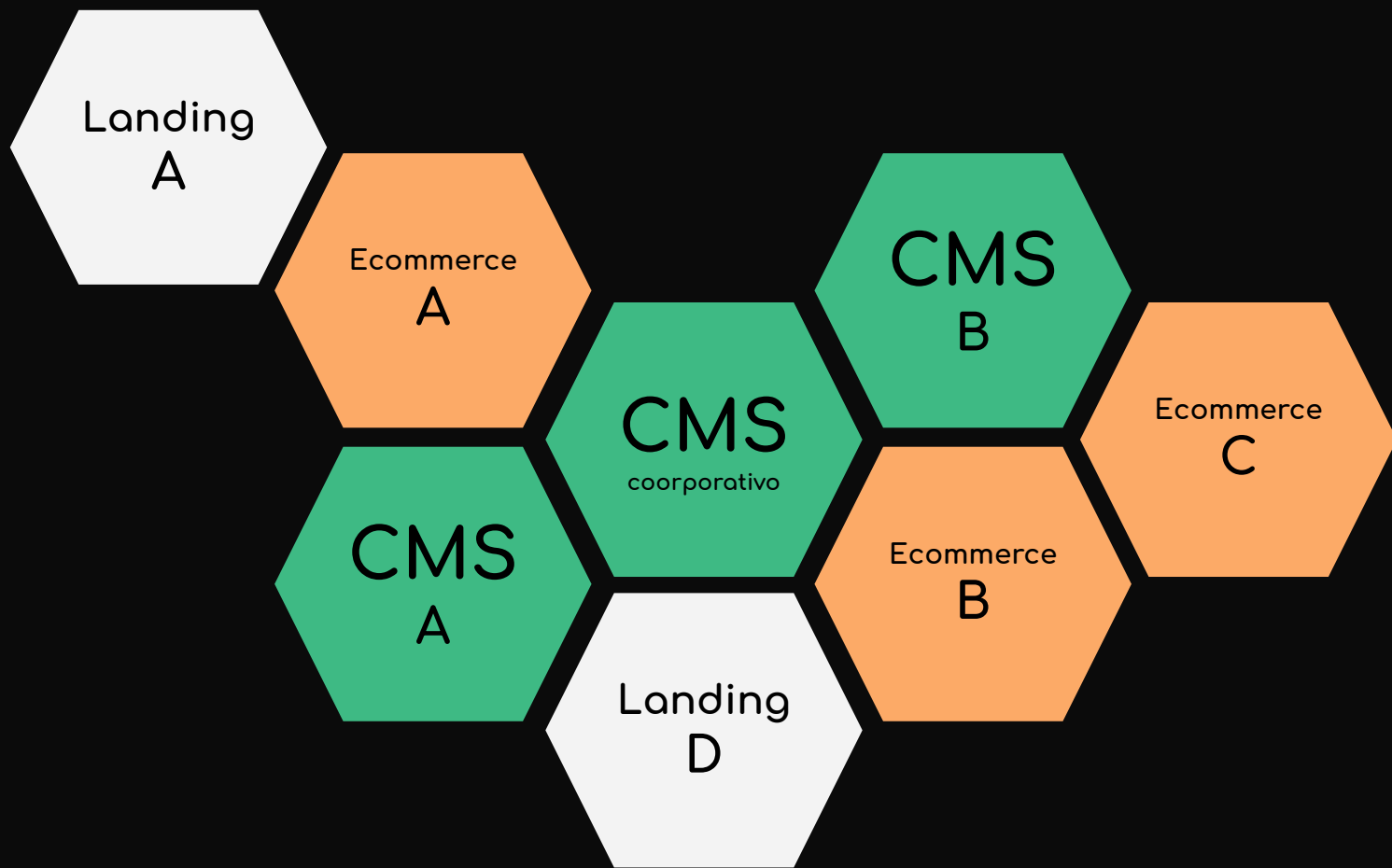












the cocktail.®

<https://the-cocktail.com>

@emibloque | emibloque.me

We are hiring

Design Reflections

Scale up your design practice

<https://the-cocktail.com/insights/design-reflections-scale-up-your-design-practice>

Principales objetivos de los creadores de sistemas de diseño

51%

Eficiencia en desarrollo

Principales objetivos de los creadores de sistemas de diseño

51%

Eficiencia en desarrollo

74%

Consistencia en la
experiencia de usuario

Frontend Dev



Designer

Luis Emilio Velasco

Web Developer

@ The Cocktail

Profesor Asociado

@ Universidad de Oviedo

@emibloque

<https://emibloque.me>



Creando un **UI Kit** *con* **Vue**

DISCLAIMER



Buttons

HTML/CSS: Dev Ready · Responsive

Share

Lightning Component

Lightning Design System

Search

What's New

Getting Started

Platforms

Design Guidelines

Accessibility

Component Blueprints

Overview

Accordion

Activity Timeline

Alert

App Launcher

Avatar

Avatar Group

Badges

Brand Band

Breadcrumbs

Builder Header

Button Groups

Button Icons

Buttons

Buttons are clickable items used to perform an action.

Button Neutral Button Brand Button Outline Brand Button Destructive Button Text Destructive Button

Success Button



Show Code

```
<button class="slds-button">Button</button>
<button class="slds-button slds-button_neutral">Neutral Button</button>
<button class="slds-button slds-button_brand">Brand Button</button>
```

About Buttons

Buttons should be used in situations where users might need to:

- submit a form
- begin a new task
- trigger a new UI element to appear on the page
- specify a new or next step in a process

Button vs. Link

The HTML elements for buttons and links describe a very specific type of action that is going to be taken when they are used. It is important you know when to use which, as the distinction matters:

Sections

About Buttons

Button vs. Link

Accessibility

Links that look like Buttons

Base

Variations

Neutral

Brand

Outline Brand

Inverse

Destructive

Text Destructive

Success

Disabled

With Icons

Left Icon

Right Icon

Stateful

Not Selected

Selected and Focused

Selected with Hover State

Dual Stateful Button

Not Pressed

Pressed

Sizing

Stretch

Full Width

V U E D S

V U E D S

Buefy

V U E D S

Buefy



Nuestra Historia



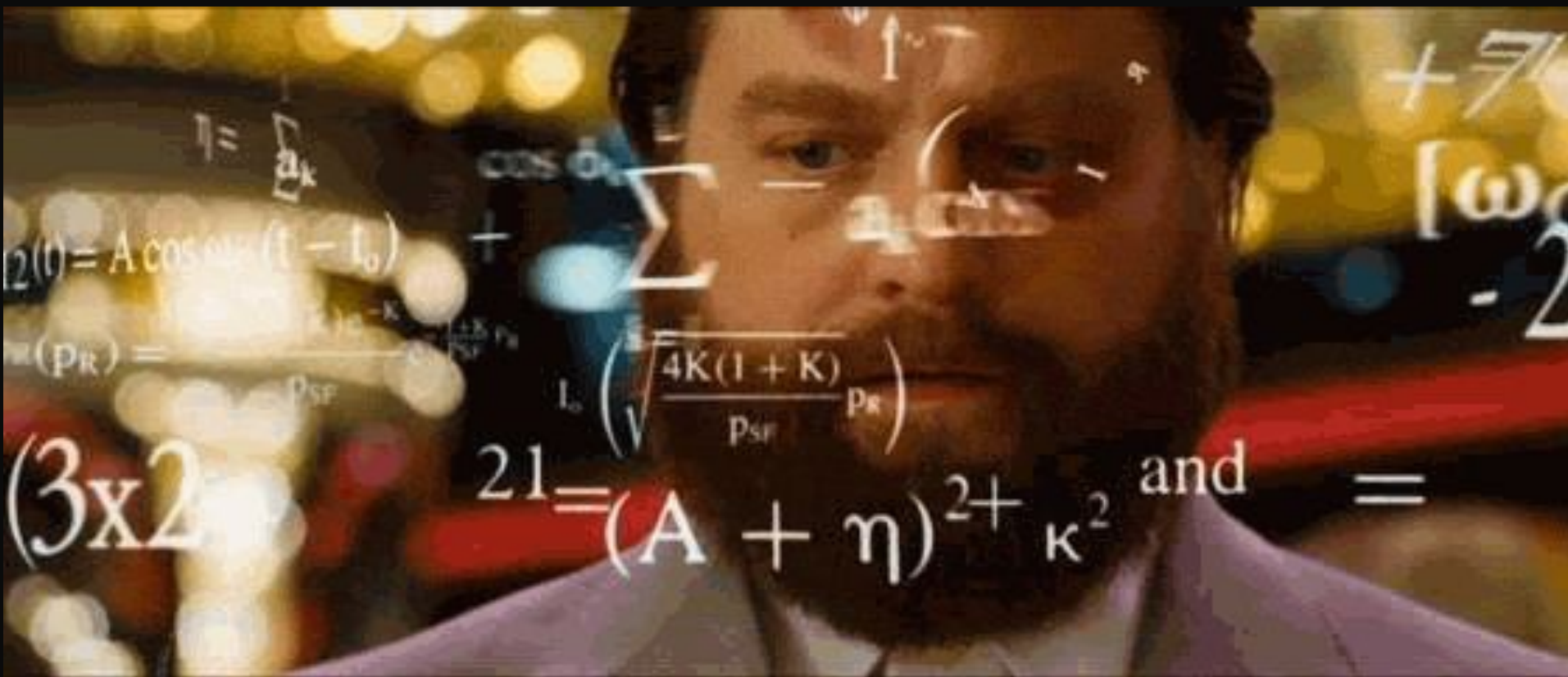


*“Estoy cansado de las
ensaladas.”*

*“Estoy cansado de las
ensaladas.
Es siempre lo mismo”*

A photograph of three elderly women with short white hair, all with wide-eyed, open-mouthed expressions of shock or surprise. They are wearing bright blue patterned shirts. In the background, a man with a beard and sunglasses is visible, along with other people out of focus. The scene appears to be outdoors in bright daylight.

wat wat wat



+ 2,6 *Millones*

Shuffle Salad

Shuffle Salad

Crea tu ensalada:

- **Base:** canónigos 🍀 .
- **Ingredientes:** calabacín 🥒 ,
aceitunas negras, zanahoria 🥕 y
atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR

```
$ vue create shuffle-salad  
$ cd shuffle-salad
```

```
$ vue create shuffle-salad  
$ cd shuffle-salad  
$ npm i -D sass-loader sass
```

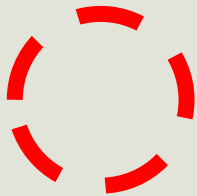
Design Tokens

Shuffle Salad

Crea tu ensalada:

- **Base:** canónigos 🍀 .
- **Ingredientes:** calabacín 🥒 ,
aceitunas negras, zanahoria 🥕 y
atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR



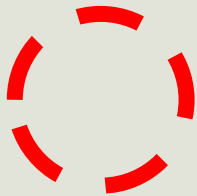
\$color-background

Shuffle Salad

Crea tu ensalada:

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- **Ingredientes:** calabacin 🥒 ,
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CREAR



\$color-background

Shuffle Salad

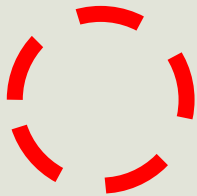
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atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR



\$color-primary



\$color-background

Shuffle Salad

Crea tu ensalada:

- **Base:** canónigos 🍀 .
- **Ingredientes:** calabacin 🥒 ,
aceitunas negras, zanahoria 🥕 y
atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR



\$color-primary

\$spacing-medium

```
// src/styles/variables.scss
```

```
$color-background: #e1e4d9;
```

```
$color-primary: #623b5a;
```

```
$color-text-default: #111111;
```

```
$color-text-primary: #ffffff;
```

```
$spacing-small: 0.4rem;
```

```
$spacing-medium: 0.8rem;
```

```
...
```

```
// src/styles/base.scss
```

```
@import './variables';
```

```
body {  
  font-family: $font-family;  
  font-size: $font-size;  
  background: $color-background;  
  color: $color-text-default;  
}
```

```
...
```

Shuffle Salad

Crea tu ensalada:

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aceitunas negras, zanahoria 🥕 y
atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR

Shuffle Salad

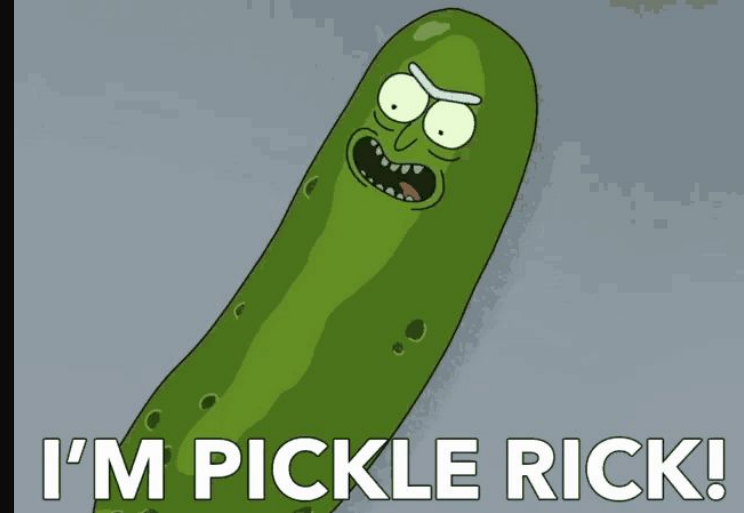
Crea tu ensalada:

- **Base:** canónigos 🍀 .
- **Ingredientes:** calabacín 🥒 ,
aceitunas negras, zanahoria 🥕 y
atún 🐟 .
- **Salsa:** salsa de mostaza y miel 🍯 .

CREAR

Pickle

Pickle



PickleButton

PButton

```
// src/components/PButton.vue
```

```
<template>  
  <button class="btn"  
    v-on:click="click">  
    <slot></slot>  
  </button>  
</template>
```

```
// src/components/PButton.vue
```

```
<template>
```

```
  <button class="btn"
```

```
    v-on:click="click">
```

```
    <slot></slot>
```

```
  </button>
```

```
</template>
```

```
<script>
```

```
export default {
```

```
  name: 'PButton',
```

```
  methods: {
```

```
    click(e) {
```

```
      this.$emit('click', e)
```

```
    }
```

```
  }
```

```
}
```

```
</script>
```

```
// src/components/PButton.vue
```

```
<template>
```

```
  <button class="btn"
```

```
    v-on:click="click">
```

```
    <slot></slot>
```

```
  </button>
```

```
</template>
```

```
<script>
```

```
export default {
```

```
  name: 'PButton',
```

```
  methods: {
```

```
    click(e) {
```

```
      this.$emit('click', e)
```

```
    }
```

```
  }
```

```
}
```

```
</script>
```

```
<style lang="scss" scoped>
```

```
.btn {
```

```
  background-color: $color-primary;
```

```
  color: $color-text-primary;
```

```
  padding: $spacing-small
```

```
    $spacing-medium;
```

```
  border-radius: $border-radius;
```

```
  ...
```

```
}
```

```
</style>
```

```
// src/components/PButton.vue
```

```
<template>
```

```
  <button class="btn"
```

```
    v-on:click="click">
```

```
    <slot></slot>
```

```
  </button>
```

```
</template>
```

```
<script>
```

```
export default {
```

```
  name: 'PButton',
```

```
  methods: {
```

```
    click(e) {
```

```
      this.$emit('click', e)
```

```
    }
```

```
  }
```

```
}
```

```
</script>
```

```
<style lang="scss" scoped>
```

```
@import '../styles/variables';
```

```
.btn {
```

```
  background-color: $color-primary;
```

```
  color: $color-text-primary;
```

```
  padding: $spacing-small
```

```
    $spacing-medium;
```

```
  border-radius: $border-radius;
```

```
  ...
```

```
}
```

```
</style>
```

```
// src/App.vue
```

```
<template>
  ...
  <p-button v-on:click="newSalad">
    Crear
  </p-button>
  ...
</template>
```

```
// src/App.vue
```

```
<template>
```

```
...
```

```
<p-button v-on:click="newSalad">
```

```
  Crear
```

```
</p-button>
```

```
...
```

```
</template>
```

```
<script>
```

```
import { randomSalad } from './services/salad-generator'
```

```
export default {
```

```
  ...
```

```
,
```

```
  methods: {
```

```
    newSalad() {
```

```
      ...
```

```
    }
```

```
  }
```

```
}
```

```
</script>
```

```
// src/App.vue
```

```
<template>
  ...
  <p-button v-on:click="newSalad">
    Crear
  </p-button>
  ...
</template>
```

```
<script>
import PButton from './components/PButton.vue'
import { randomSalad } from './services/salad-generator'

export default {
  ...
  components: {
    PButton
  },

  methods: {
    newSalad() {
      ...
    }
  }
}
</script>
```



```
// src/main.js
```

```
import Vue from 'vue'
```

```
import App from './App.vue'
```

```
new Vue({  
  render: h => h(App),  
}).$mount('#app')
```

```
// src/main.js
```

```
import Vue from 'vue'
```

```
import App from './App.vue'
```

```
import './styles/base.scss'
```

```
new Vue({  
  render: h => h(App),  
}).$mount('#app')
```

```
$ npm run serve
```



<https://emibloque.github.io/shuffle-salad>



Hasta aquí, bien

SEÑORA

SAQUE EL *UI KIT* DE AHÍ





Hora de extraer



A diagram of a salad bowl structure. It consists of a large teal rounded rectangle containing three elements: an orange rounded rectangle at the top with the text 'Components', the text 'Shuffle Salad' in the center, and another orange rounded rectangle at the bottom with the text 'Components'.

Components

Shuffle Salad

Components



Components



Shuffle Salad

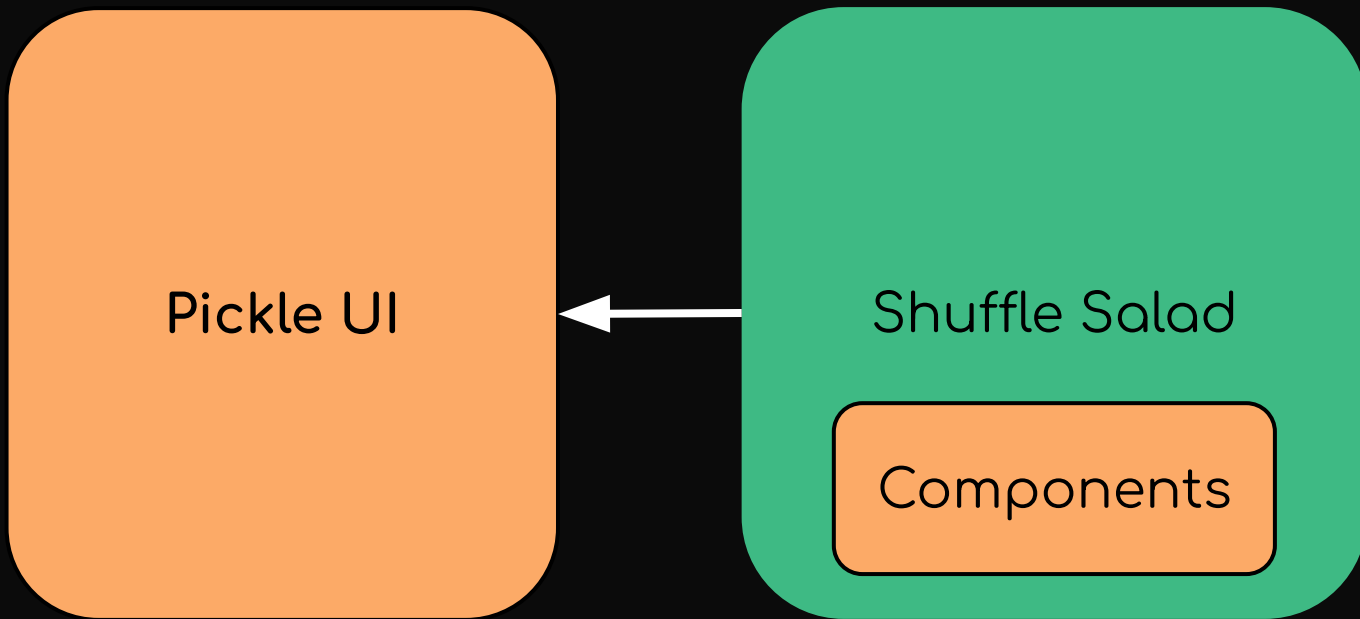
Components

Pickle UI

The diagram consists of two rounded rectangular boxes on a black background. The left box is orange and contains the text 'Pickle UI'. The right box is teal and contains the text 'Shuffle Salad' at the top and a smaller orange rounded rectangle at the bottom containing the text 'Components'.

Shuffle Salad

Components



```
$ vue create pickle-ui  
$ cd pickle-ui
```



Vue Styleguidist



Storybook


```
$ npx -p @storybook/cli sb init --type vue
```

```
$ npx -p @storybook/cli sb init --type vue  
$ npm i -D style-loader css-loader sass-loader node-sass
```

```
// .storybook/webpack.config.js
```

```
const path = require('path')
```

```
module.exports = {  
  module: {  
    rules: [  
      {  
        test: /\.scss$/,  
        use: ['style-loader', 'css-loader', 'sass-loader'],  
        include: path.resolve(__dirname, '../')  
      }  
    ]  
  }  
}
```

```
// src/components/PButton.stories.js
```

```
import Vue from 'vue'
```

```
import { action } from '@storybook/addon-actions'
```

```
import PButton from './PButton.vue'
```

```
Vue.component('PButton', PButton)
```

```
export default {
```

```
  title: 'Button'
```

```
}
```

```
export const text = () => ({
```

```
  components: { PButton },
```

```
  template: '<p-button @click="action">Hello Button</p-button>',
```


```
  methods: { action: action('clicked') }
```

```
})
```



🔍 Press "/" to search...

HELLO BUTTON

▼  Button

 Text

Actions



Clear

Hora de publicar

```
$ npm version major
```

```
$ npm version minor
```



```
$ npm version patch
```

```
$ npm version major  
V1.0.0
```

```
$ npm version major
```

```
V1.0.0
```

```
$ git push origin master --follow-tags
```

¿Cómo lo instalo?

```
$ cd shuffle-salad
```

```
$ npm install emibloque/pickle-ui
```



```
$ npm install emibloque/pickle-ui
```



```
$ npm install emibloque/pickle-ui
```




```
// shuffle-salad/package.json
```

```
"dependencies": {
```

```
  ...
```

```
  "pickle-ui": "github:emibloque/pickle-ui"
```

```
},
```

```
$ npm install emibloque/pickle-ui#v1.1.0
```

```
$ npm install emibloque/pickle-ui#v1.1.0
```

```
// shuffle-salad/package.json
```

```
"dependencies": {
```

```
  ...
```

```
  "pickle-ui": "github:emibloque/pickle-ui#v1.10"
```

```
},
```

```
$ npm install git+ssh://git@github.com/emibloque/pickle-ui.git#v1.1.0
```

```
$ npm install git+ssh://git@github.com/emibloque/pickle-ui.git#v1.1.0
```

```
// shuffle-salad/package.json
```

```
"dependencies": {
```

```
  ...
```

```
  "pickle-ui": "git+ssh://git@github.com/emibloque/pickle-ui.git#v1.1.0"
```

```
},
```

¿Cómo lo uso?

```
import Vue from 'vue'
```

```
import DesignSystem from 'vue-design-system'
```

```
Vue.use(DesignSystem)
```




```
install(Vue) {  
  components.forEach(component =>  
    Vue.component(component.name, component)  
  )  
}
```



*No todas las
librerías son así*





Vuetify
A-la-carté

Nuestro método

```
// pickle-ui/package.json
{
  "name": "pickle-ui",
  "version": "1.1.0",
  ...
  "files": [
    "/src",
    "index.js"
  ],
  ...
}
```

```
// pickle-ui/index.js
```

```
export { default as PButton } from './src/components/PButton.vue'
```



```
// shuffle-salad/src/App.vue
```

```
import PButton from './components/PButton.vue'
```

```
// shuffle-salad/src/App.vue
```

```
import { PButton } from 'pickle-ui'
```

```
// shuffle-salad/src/main.js
```

```
import Vue from 'vue'
```

```
import App from './App.vue'
```

```
import './styles/base.scss'
```

```
new Vue({  
  render: h => h(App),  
}).$mount('#app')
```

```
// shuffle-salad/src/main.js
```

```
import Vue from 'vue'
```

```
import App from './App.vue'
```

```
import 'pickle-ui/src/styles/base.scss'
```

```
new Vue({  
  render: h => h(App),  
}).$mount('#app')
```

Tree Shaking



```
// pickle-ui/index.js
```

```
export { default as PButton } from './src/components/PButton.vue'
```

```
export { default as TooBig } from './src/components/TooBig.vue'
```

```
// shuffle-salad/src/App.vue
```

```
import { PButton } from 'pickle-ui'
```

```
// pickle-ui/package.json
{
  "name": "pickle-ui",
  "version": "1.1.0",
  ...
  "sideEffects": "false",
  ...
}
```


Despliegue con UI Kit *público*

```
FROM node:12-alpine as build  
WORKDIR /app
```

```
FROM node:12-alpine as build
```

```
WORKDIR /app
```

```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```

```
FROM node:12-alpine as build
```

```
WORKDIR /app
```

```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```

```
FROM nginx:1.15-alpine
```

```
COPY --from=build /app/dist/ /usr/share/nginx/html/
```

*¿Y si mi repo es
privado?*

```
FROM node:12-alpine as build
```

```
WORKDIR /app
```

```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```

```
FROM nginx:1.15-alpine
```

```
COPY --from=build /app/dist/ /usr/share/nginx/html/
```

```
FROM node:12-alpine as build
```

```
WORKDIR /app
```

```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```

```
FROM nginx:1.15-alpine
```

```
COPY --from=build /app/dist/ /usr/share/nginx/html/
```

```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```



```
COPY package.json package-lock.json ./
```

```
RUN npm ci
```

```
COPY ./ ./
```

```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
COPY ./ ./
```

```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
RUN mkdir /root/.ssh && \
```

```
COPY ./ ./
```

```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
RUN mkdir /root/.ssh && \
```

```
echo "${ssh_key}" | base64 -d >> /root/.ssh/id_rsa && \
```

```
COPY ./ ./
```

```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
RUN mkdir /root/.ssh && \
```

```
echo "${ssh_key}" | base64 -d >> /root/.ssh/id_rsa && \
```

```
chmod 0600 /root/.ssh/id_rsa && \
```

```
COPY ./ ./
```

ARG ssh_key

```
RUN mkdir /root/.ssh && \
```

```
chmod 0600 /root/.ssh/id_rsa && \
```

```
ssh-keyscan bitbucket.org >> /root/.ssh/known_hosts && \
```

ARG ssh_key

```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
RUN mkdir /root/.ssh && \  
  echo "${ssh_key}" | base64 -d >> /root/.ssh/id_rsa && \  
  chmod 0600 /root/.ssh/id_rsa && \  
  ssh-keyscan bitbucket.org >> /root/.ssh/known_hosts && \  
  npm ci && \  
  rm /root/.ssh/id_rsa
```

```
COPY ./ ./
```



```
COPY package.json package-lock.json ./
```

```
ARG ssh_key
```

```
RUN mkdir /root/.ssh && \  
  echo "${ssh_key}" | base64 -d >> /root/.ssh/id_rsa && \  
  chmod 0600 /root/.ssh/id_rsa && \  
  ssh-keyscan bitbucket.org >> /root/.ssh/known_hosts && \  
  npm ci && \  
  rm /root/.ssh/id_rsa
```

```
COPY ./ ./
```

*Probar **rápido** en
local*

Internet



Local



Internet



Local

`pickle-ui`

`shuffle-salad`

Internet



Local

`pickle-ui`

`shuffle-salad`

Internet



Local



Internet



Local

Global node_modules

pickle-ui

shuffle-salad

```
$ cd pickle-ui
```



```
$ cd pickle-ui  
$ npm link
```

```

{
  "name": "pickle-ui",
  ...
}

$ cd pickle-ui
$ npm link
```

Internet



Local

Global node_modules

`pickle-ui`

`shuffle-salad`

```
$ cd shuffle-salad
```

```
$ cd shuffle-salad  
$ npm link pickle-ui
```

```
{  
  "dependencies": {  
    "pickle-ui": "...",  
    ...  
  }  
}
```

```
$ cd shuffle-salad  
$ npm link pickle-ui
```

Internet

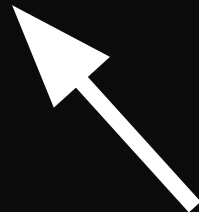


Local

Global node_modules

`pickle-ui`

`shuffle-salad`



Internet



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Shuffle Salad

Crea tu ensalada:

- Base: .
- Ingredientes: .
- Salsa: .

CREAR

PButton.vue

button.vue > {} "PButton.vue" > template > button.btn

```
1 <template>
2   <button class="btn" v-on:click="click">
3     <slot/>
4   </button>
5 </template>
```

```
7 <script>
8   export default {
9     name: 'PButton',
10
11     methods: {
12       click(e) {
13         this.$emit('click', e)
14       }
15     }
16   }
17 </script>
```

```
19 <style lang="scss" scoped>
20   @import '../styles/variables';
```

```
22   .btn {
23     background-color: $color-primary;
```



```
$ cd shuffle-salad
```

```
$ cd shuffle-salad  
$ npm unlink --no-save pickle-ui
```

```
$ cd shuffle-salad  
$ npm unlink --no-save pickle-ui  
$ npm ci
```

```
$ cd pickle-ui
```

```
$ cd pickle-ui  
$ npm unlink
```

Internet

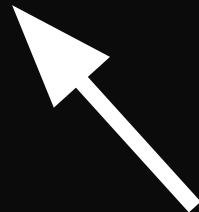


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Futuro

Web Components

```
$ vue-cli-service build \
```

```
$ vue-cli-service build \  
  --target wc \
```

```
$ vue-cli-service build \  
  --target wc \  
  --name my-btn \  
  --mode development
```



```
$ vue-cli-service build \  
  --target wc \  
  --name my-btn \  
  src/components/PButton.vue
```

File	Size	Gzipped
dist/my-btn.min.js	83.57 kb	13.49 kb
dist/my-btn.js	83.57 kb	13.49 kb

```
<script src="./my-btn.js"></script>
```

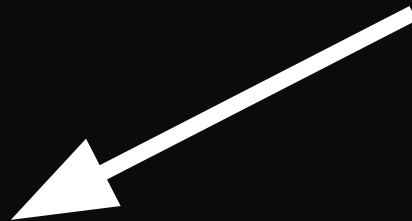
```
<my-btn></my-btn>
```

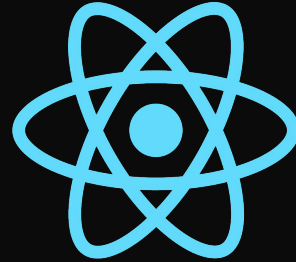
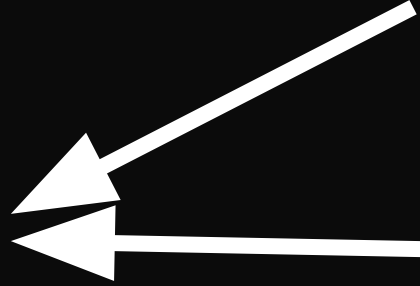
```
<script src="https://unpkg.com/vue"></script>
```

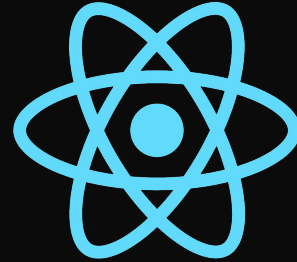
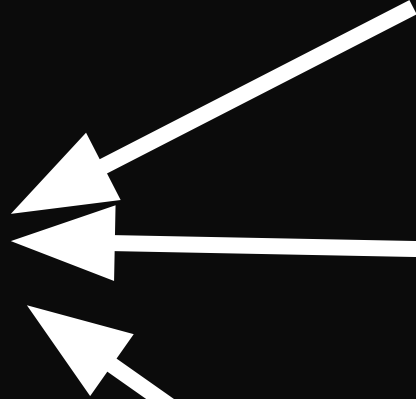
```
<script src="./my-btn.js"></script>
```

```
<my-btn></my-btn>
```











Muchas Gracias

@emibloque

<https://emibloque.me>

Creando un UI Kit con Vue

