

**PREGRADO**



UNIDAD 2 | FRONTEND WEB APPLICATIONS

# **VUE & MATERIAL DESIGN**

Al finalizar la unidad, el estudiante desarrolla y comunica una solución de aplicación frontend integrada con RESTful web services con una Arquitectura Orientada a Servicios en un ambiente de desarrollo ágil e inclusivo

---

# AGENDA

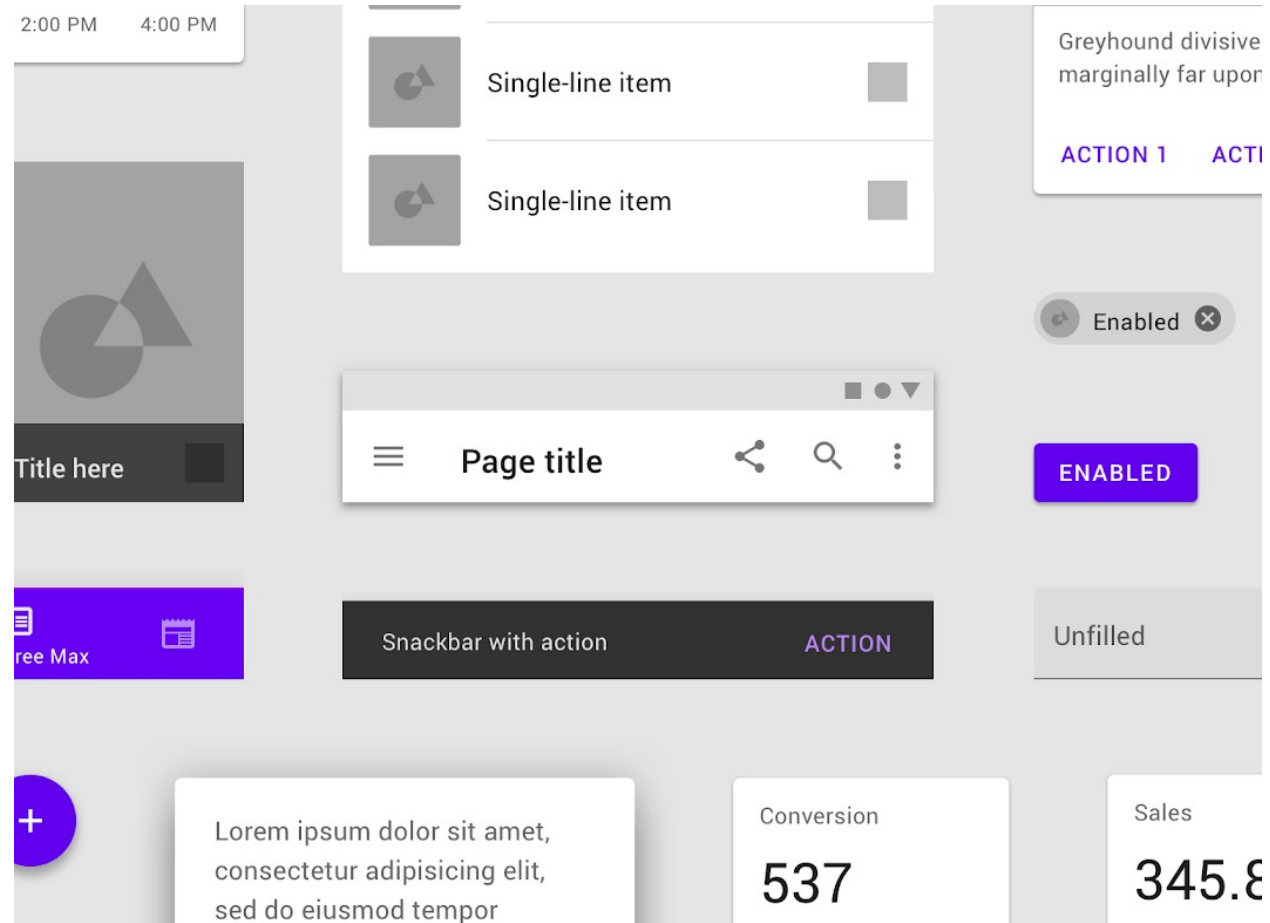
INTRO

SETUP

THEMES & COMPONENTS



# Google Material Design



<https://material.io/design/introduction>

# ¿Qué es PrimeVue

UI Component Library construido sobre Vue.js.

Su meta es proporcionar a los developers las herramientas necesarias para construir user experiences que sean enriquecidas.

Se enfoca en:

Ser fácil de aprender.

Contar con amplia variedad de components que cumplan con **Material Design Specification**.



---

# AGENDA

INTRO

SETUP

THEMES & COMPONENTS



# Setup

Install.

```
npm install primevue primeicons
```

Luego se establece la configuración

```
import {createApp} from 'vue';  
import App from './App.vue';  
import PrimeVue from 'primevue/config';  
const app = createApp(App);
```

```
app.use(PrimeVue);
```



---

# AGENDA

INTRO

SETUP

THEMES & COMPONENTS





# Ripple

Es una animación opcional para los componentes. Se habilita durante el setup.

```
import {createApp} from 'vue';  
import PrimeVue from 'primevue/config';  
const app = createApp(App);  
app.use(PrimeVue, {ripple: true});
```

# Themes

## Import and register component

```
primevue/resources/themes/bootstrap4-light-blue/theme.css
primevue/resources/themes/bootstrap4-light-purple/theme.css
primevue/resources/themes/bootstrap4-dark-blue/theme.css
primevue/resources/themes/bootstrap4-dark-purple/theme.css
primevue/resources/themes/md-light-indigo/theme.css
primevue/resources/themes/md-light-deeppurple/theme.css
primevue/resources/themes/md-dark-indigo/theme.css
primevue/resources/themes/md-dark-deeppurple/theme.css
primevue/resources/themes/mdc-light-indigo/theme.css
primevue/resources/themes/mdc-light-deeppurple/theme.css
primevue/resources/themes/mdc-dark-indigo/theme.css
primevue/resources/themes/mdc-dark-deeppurple/theme.css
primevue/resources/themes/tailwind-light/theme.css
primevue/resources/themes/fluent-light/theme.css
primevue/resources/themes/lara-light-blue/theme.css
primevue/resources/themes/lara-light-indigo/theme.css
primevue/resources/themes/lara-light-purple/theme.css
primevue/resources/themes/lara-light-teal/theme.css
primevue/resources/themes/lara-dark-blue/theme.css
primevue/resources/themes/lara-dark-indigo/theme.css
```

```
primevue/resources/themes/lara-dark-purple/theme.css
primevue/resources/themes/lara-dark-teal/theme.css
primevue/resources/themes/soho-light/theme.css
primevue/resources/themes/soho-dark/theme.css
primevue/resources/themes/viva-light/theme.css
primevue/resources/themes/viva-dark/theme.css
primevue/resources/themes/mira/theme.css
primevue/resources/themes/nano/theme.css
primevue/resources/themes/saga-blue/theme.css
primevue/resources/themes/saga-green/theme.css
primevue/resources/themes/saga-orange/theme.css
primevue/resources/themes/saga-purple/theme.css
primevue/resources/themes/vela-blue/theme.css
primevue/resources/themes/vela-green/theme.css
primevue/resources/themes/vela-orange/theme.css
primevue/resources/themes/vela-purple/theme.css
primevue/resources/themes/arya-blue/theme.css
primevue/resources/themes/arya-green/theme.css
primevue/resources/themes/arya-orange/theme.css
primevue/resources/themes/arya-purple/theme.css
```

# Components

## Import and register component

```
import {createApp} from 'vue';  
import App from './App.vue';  
import PrimeVue from 'primevue/config';  
import Dialog from 'primevue/dialog';  
const app = createApp(App);
```

```
app.use(PrimeVue);
```

```
app.component('pv-dialog', Dialog);
```

## Use in template

```
<pv-dialog></pv-dialog>
```

# Cards

**pv-card** component can be used for panels, static images, and others.

It has 4 named templates: **header**, **title**, **subtitle**, **content**, **footer**

```
<pv-card>
  <template #header>
    
  </template>
  <template #title>
    Advanced Card
  </template>
  <template #content>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit. Inventore sed consequuntur error repudiandae numquam deserunt
    quisquam repellat libero asperiores earum nam nobis, culpa ratione quam perferendis esse, cupiditate neque quas!
  </template>
  <template #footer>
    <Button icon="pi pi-check" label="Save" />
    <Button icon="pi pi-times" label="Cancel" class="p-button-secondary" style="margin-left: .5em" />
  </template>
</pv-card>
```

See more

<https://www.primefaces.org/primevue/setup>



---

# RESUMEN

Recordemos

PrimeVue UI Components Library

Material Design specification supported.

Mobile first approach.



---

# REFERENCIAS

Para profundizar

<https://www.primefaces.org/primevue>



# PREGRADO

## Ingeniería de Software

Escuela de Ingeniería de Sistemas y Computación | Facultad de Ingeniería



### UPC

Universidad Peruana  
de Ciencias Aplicadas

Prolongación Primavera 2390,  
Monterrico, Santiago de Surco  
Lima 33 - Perú  
T 511 313 3333  
<https://www.upc.edu.pe>

***exígete, innova***