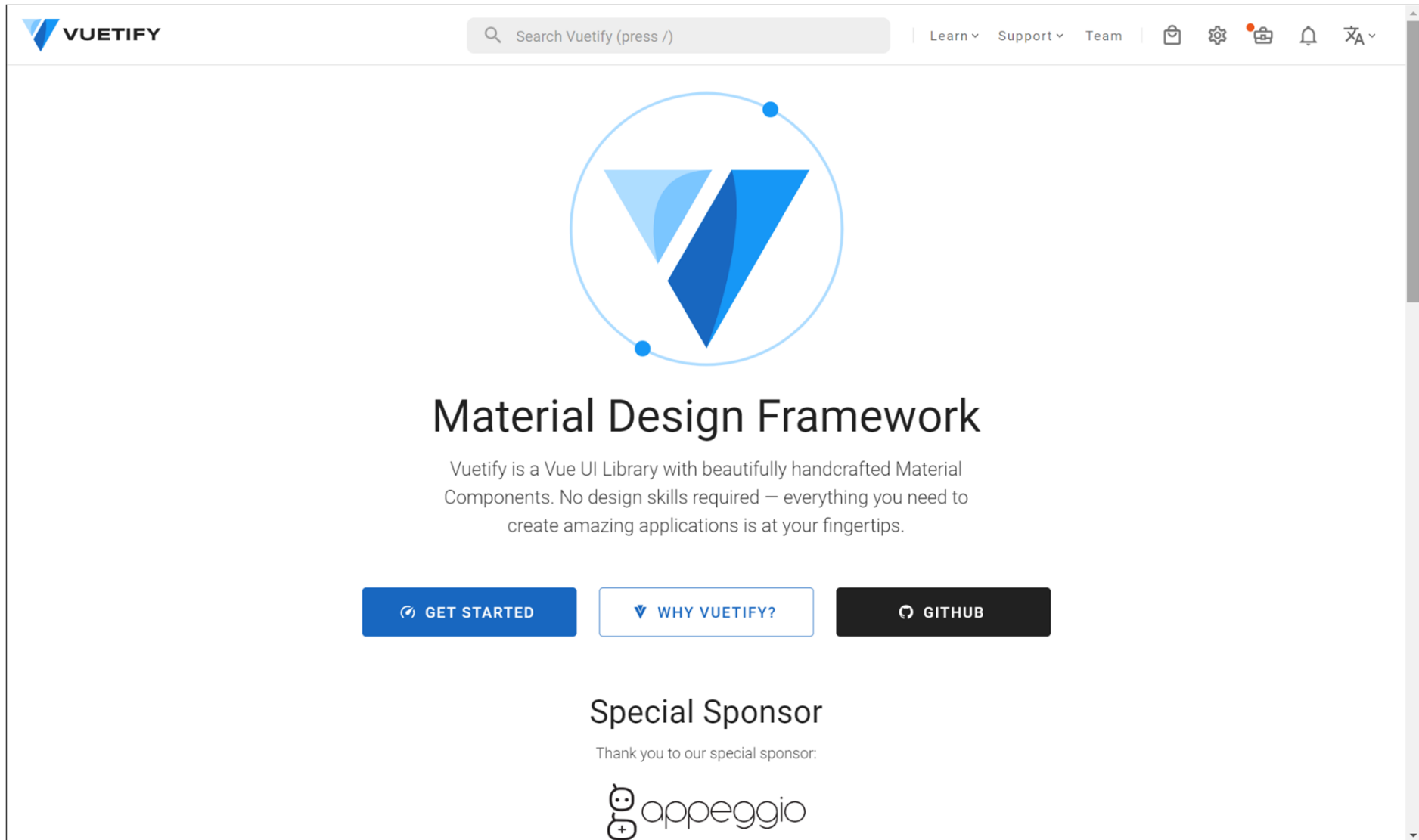




Vue Fundamentals Vuetyfy



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<https://vuetifyjs.com/en/>

What is Vuetify?

- One of the **Component Libraries** / Design Frameworks for Vue
- Based on the **Material Design Specs** by Google
 - Your webapp looks 'Androidy'
- Alternatives:
 - Bootstrap Vue (<https://bootstrap-vue.org/>)
 - Buefy (<https://buefy.org/>)
 - Vue Material (<https://www.creative-tim.com/vuematerial/>)
 - ...and many, many more
- In all respect - *They all do (mostly) the same*
 - A grid
 - Components
 - Helper libraries (colors, sizes, variables etc)

Collections

14 Best Vue UI Component Libraries 2022



Aris Pattakos • Last updated: January 4, 2022 • One comment

Best Vue UI Component Libraries



<https://athemes.com/collections/vue-ui-component-libraries/>

Your choice ?

*Mostly Personal
Preference*

Or go with your company's choice...

Generic setup

- They all follow more or less the **same setup** procedure:
 - **Install** via NPM
 - Add **CSS** to pages if necessary
 - Use grid/components in your own components

```
npm install <library-name> --save
```

Our focus - Vuetify



Warning – check the version

- Incompatibilities!
 - Vuetify 2.x → Vue 2.x
 - Vuetify 3.x → Vue 3.x Not ready for production yet!

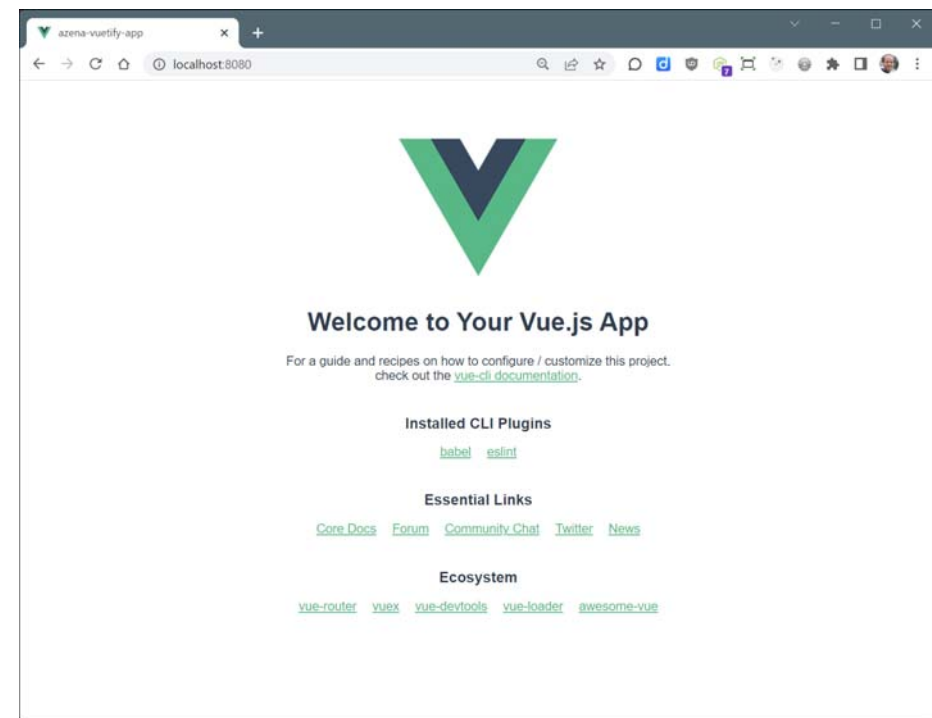
Vue CLI Install

⚠ The current version of Vuetify does not support Vue 3. Support for Vue 3 will come with the release of **Vuetify v3**. When creating a new project, please ensure you selected Vue 2 from the Vue CLI prompts, or that you are installing to an existing Vue 2 project.

⚠ For information on how to use Vue CLI, visit the [official documentation](#).

1. Steps to adding and using Vuetify

- We're using **Vue CLI** here
 - Other options: manually install, using Nuxt, using Webpack, CDN and more.
 - We're NOT doing that here!
- 1. Create a **new Vue Project**, or go with existing project
- Select [**Default - Vue 2 ...**] as project type
- See if the application runs.
- Should be default application



2. Add Vuetify to project using CLI

- `vue add vuetify`
 - Choose the defaults (for now – you can always update later!)
 - Project files are updated
 - Home Component is rewritten
 - You get a glimpse of the layout possibilities using Vuetify
- Project should still run without changes!


```
+ vue-cli-plugin-vuetify@2.5.1
added 7 packages from 10 contributors and audited 937 packages in 3.721s

98 packages are looking for funding
  run `npm fund` for details

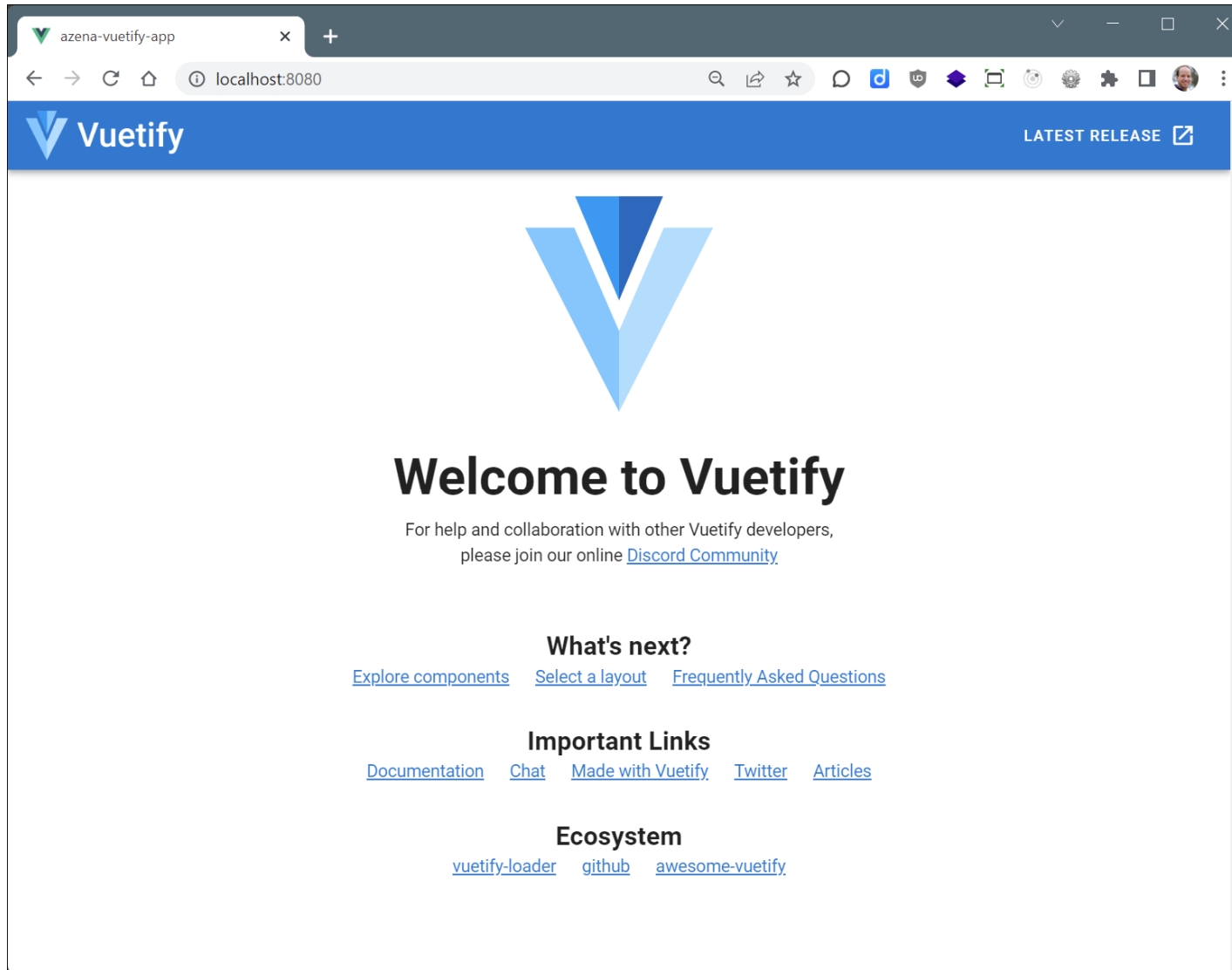
found 0 vulnerabilities

✓ Successfully installed plugin: vue-cli-plugin-vuetify

? Choose a preset: (Use arrow keys)
  Configure (advanced)
> Default (recommended)
  Vite Preview (Vuetify 3 + Vite)
  Prototype (rapid development)
  Vuetify 3 Preview (Vuetify 3)
```

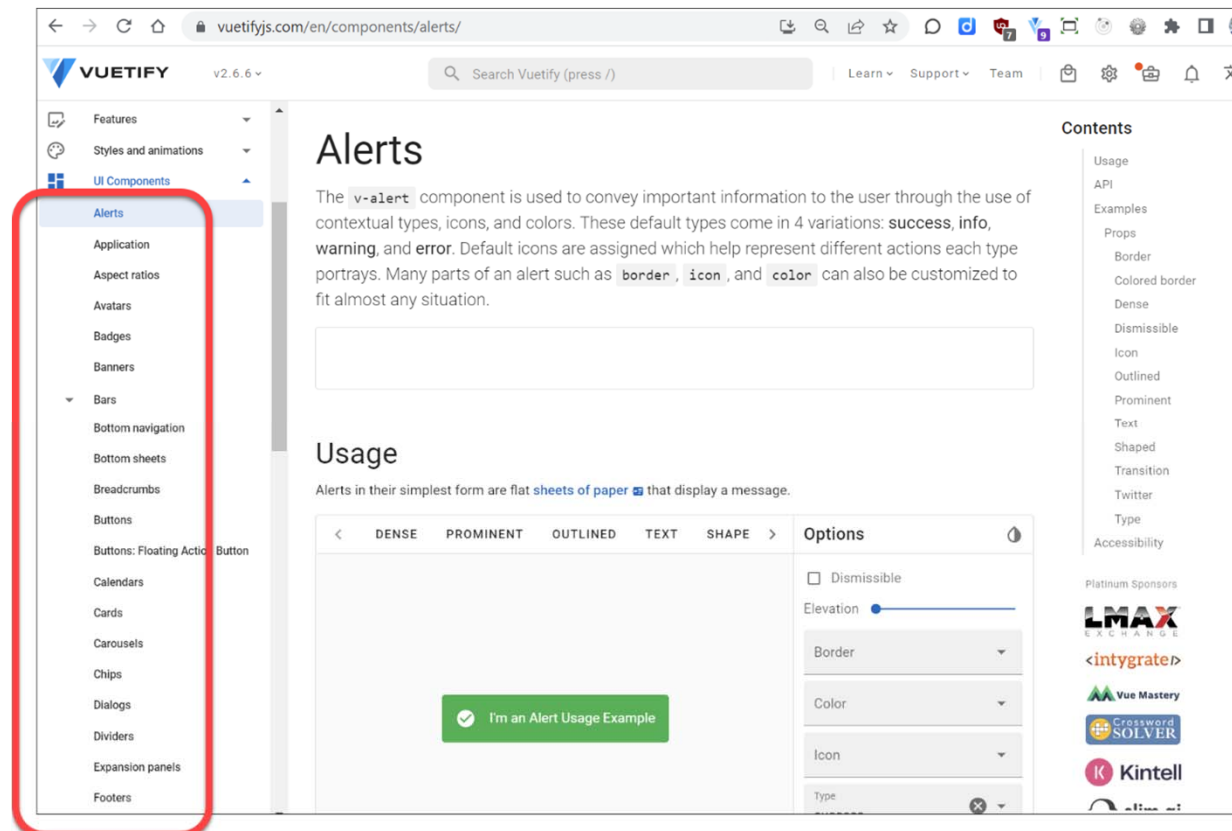


Your Vue application



3. Use Vue Components in your app

- See the documentation!
- There are LOTS of components available.
- They generally work the same way

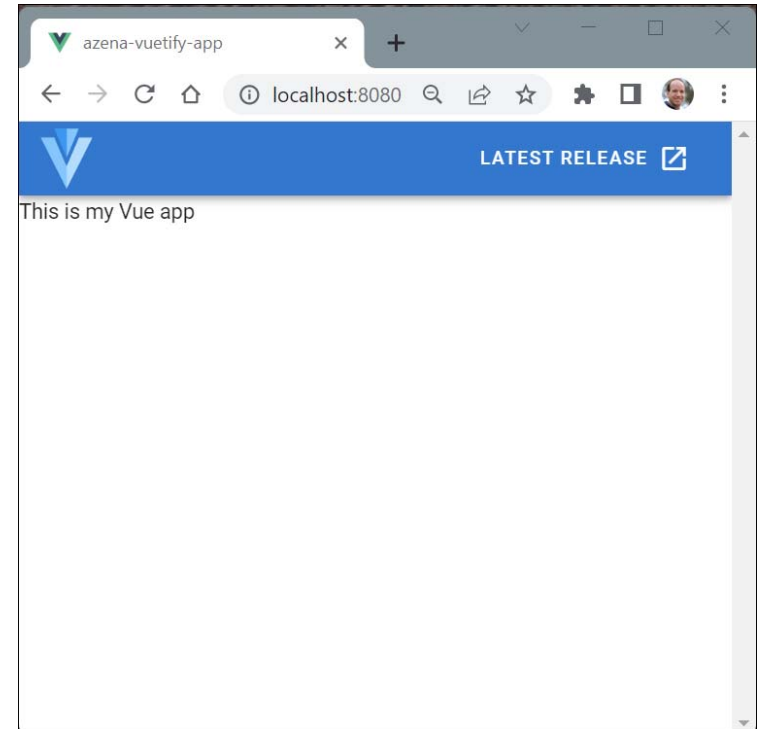


Your Vuetify app...

- ...should be wrapped in `<v-app>...</v-app>`
- ...often has an appBar in some sense `<v-app-bar>...</v-app-bar>`
- ...has its main content in `<v-main>...</v-main>`
- See `App.vue` for example code

```
<template>
  <v-app>
    <v-app-bar
      ...
    </v-app-bar>

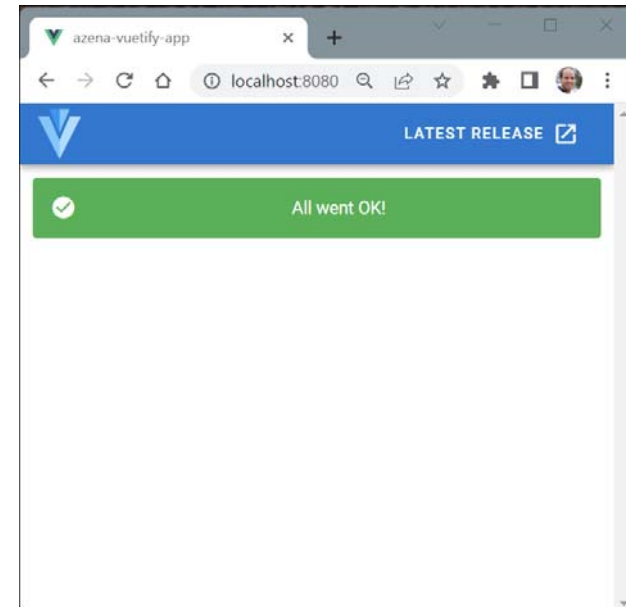
    <v-main>
      This is my Vue app
    </v-main>
  </v-app>
</template>
```



Using Vuetify-components in HelloWorld.vue

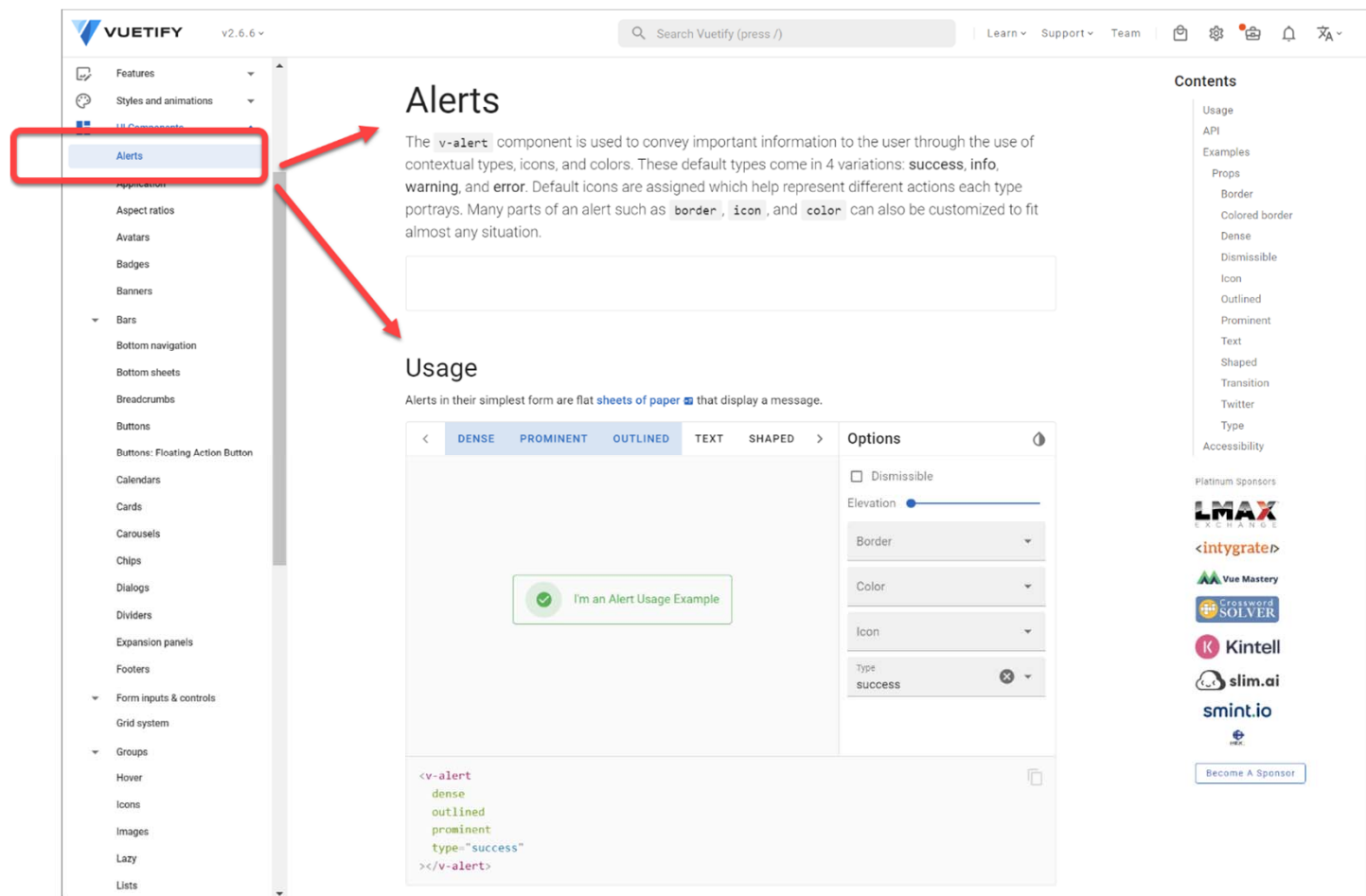
- Example: an Alert bar
- Alert is a 'simple' component – it's directly painted on the screen

```
<template>
  <v-container>
    <v-row class="text-center">
      <v-col cols="12">
        <v-alert
          type="success">
            All went OK!
          </v-alert>
        </v-col>
      </v-row>
    </v-container>
  </template>
```



Always: RTFM! – look up the documentation

- In this case: the Alert
- Experiment with the settings, colors, outlining and attributes

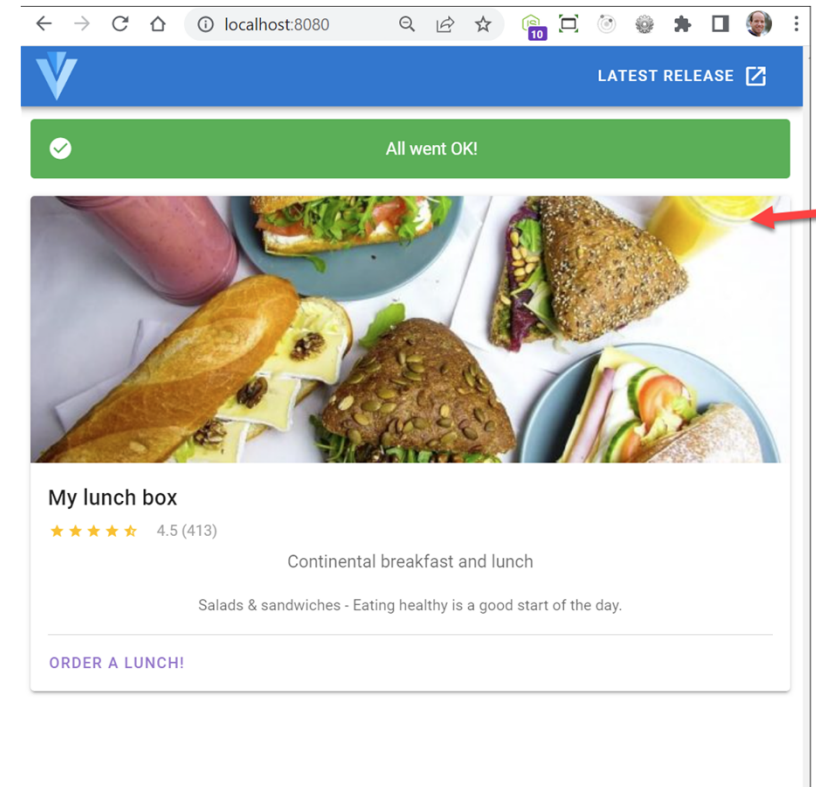


<https://vuetifyjs.com/en/components/alerts/>

Composed components

- Some Components are composed out of multiple other components
- Example Cards (but there are many, many more!)

```
<v-card elevation="2">  
  <v-card-title>My lunch box</v-card-title>  
  
  <v-card-subtitle>...</v-card-subtitle>  
  
  <v-card-text>...</v-card-text>  
  
  <v-card-actions>...</v-card-actions>  
</v-card>
```



<https://vuetifyjs.com/en/components/cards/>

VUETIFY v2.6.6

Search Vuetify (press /)

Learn Support Team

Contents

- Usage
- API
- Functional Components
 - v-card-actions
 - v-card-subtitle
 - v-card-text
 - v-card-title
- Examples
 - Props
 - Loading
 - Outlined
 - Misc
 - Card Reveal
 - Content wrapping
 - Custom actions
 - Grids
 - Horizontal cards
 - Information card
 - Media with text
 - Twitter card
 - Weather card

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- slim.ai
- smint.io

Become A Sponsor

Cards

The `v-card` component is a versatile component that can be used for anything from a panel to a static image. The `card` component has numerous helper components to make markup as easy as possible. Components that have no listed options use Vue's functional component option for faster rendering and serve as markup sugar to make building easier. Try out an interactive screencast on how [Vuetify cards work](#).

Usage

A card has 4 basic components, `v-card-title`, `v-card-subtitle`, `v-card-text` and `v-card-actions`.

Options

- ☐ Disabled
- ☐ Loading
- Elevation

Card title
Subtitle text
Greyhound divisively hello coldly wonderfully marginally far upon excluding.

ACTION 1 ACTION 2

```
<v-card
  elevation="2"
></v-card>
```

API

<https://vuetifyjs.com/en/components/cards/>

The Vue Grid System






- Divide the screen in multiple columns, being responsive from scratch
- Learn and study(!) the examples
- Yes, this takes time. There is no shortcut I'm afraid...

Grid system

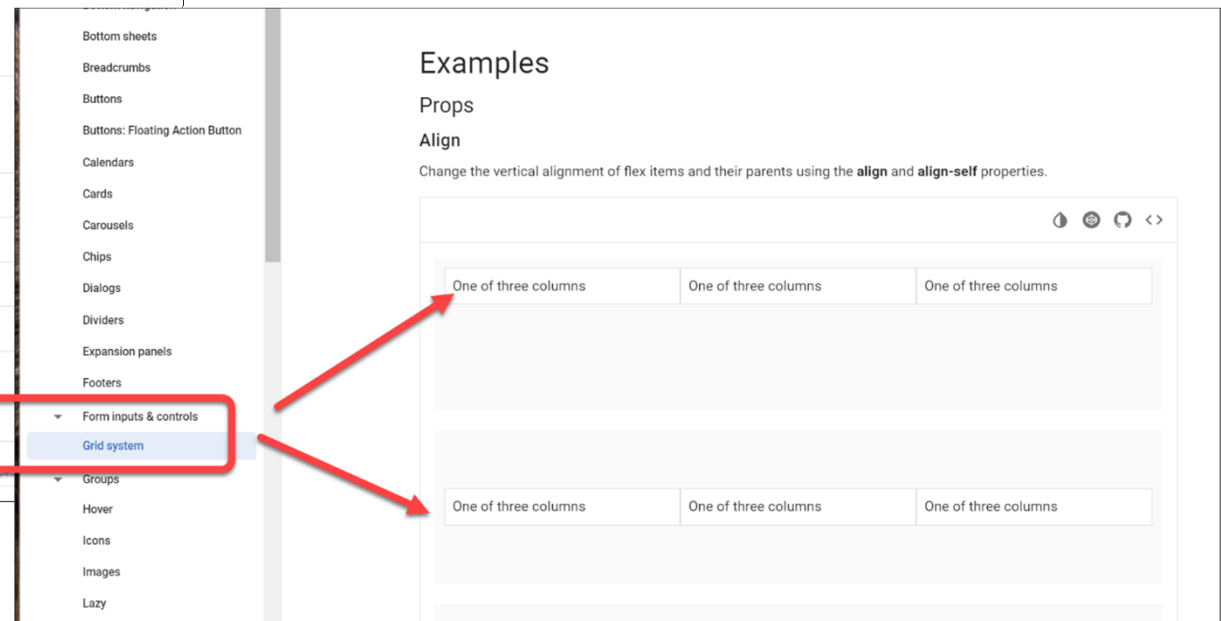
Vuetify comes with a 12 point grid system built using flexbox. The grid is used to create specific layouts within an application's content. It contains 5 types of media breakpoints that are used for targeting specific screen sizes or orientations, **xs**, **sm**, **md**, **lg** and **xl**. These resolutions are defined below in the Viewport Breakpoints table and can be modified by customizing the

[Breakpoint service](#).



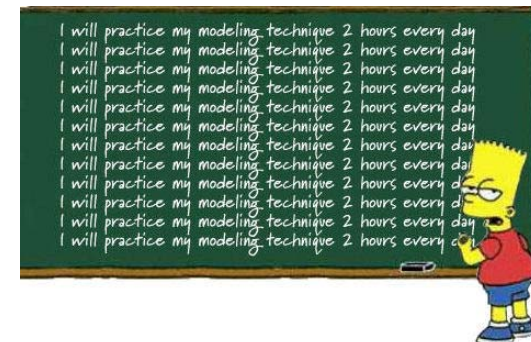
Material Design Breakpoints			
Device	Code	Type	Range
 Extra small	xs	Small to large phone	< 600px
 Small	sm	Small to medium tablet	600px > < 960px
 Medium	md	Large tablet to laptop	960px > < 1264px*
 Large	lg	Desktop	1264px > < 1904px*
 Extra large	xl	4k and ultra-wide	> 1904px*
* -16px on desktop for browser scrollbar			

<https://vuetifyjs.com/en/components/grids>

A screenshot of the Vuetify documentation website. On the left is a sidebar navigation menu with various component categories. The 'Grid system' option is highlighted with a red rectangle. Two red arrows originate from this rectangle: one points to the 'Examples' section on the right, and the other points to a 'Grid system' component example further down. The 'Examples' section shows a header 'Align' with a description 'Change the vertical alignment of flex items and their parents using the align and align-self properties.' Below this are two examples of a three-column grid layout, each with three boxes labeled 'One of three columns'.

Workshop

- Create a **new application** and **add Vuetify** to it
- Make sure the application runs correctly
- Study the boilerplate code in `App.vue`
 - Alter some code and see if things still work
- Study the boilerplatecode in `HelloWorld.vue`
- Add new components, using Vuetify components per your needs. For example
 - Buttons, Cards
 - Grid System
 - Lists, Icons, Dialogs, Modals, ...
- <https://vuetifyjs.com/en/>



Checkpoint

- You know what Vuetify is
- You know it is added as an optional layer to Vue-applications, to layout the application
- You can add Vuetify yourself using npm or Vue CLI
- You are familiar with some of the components, but are also aware that there are dozens of them!
- You know where to find more information online regarding Vuetify