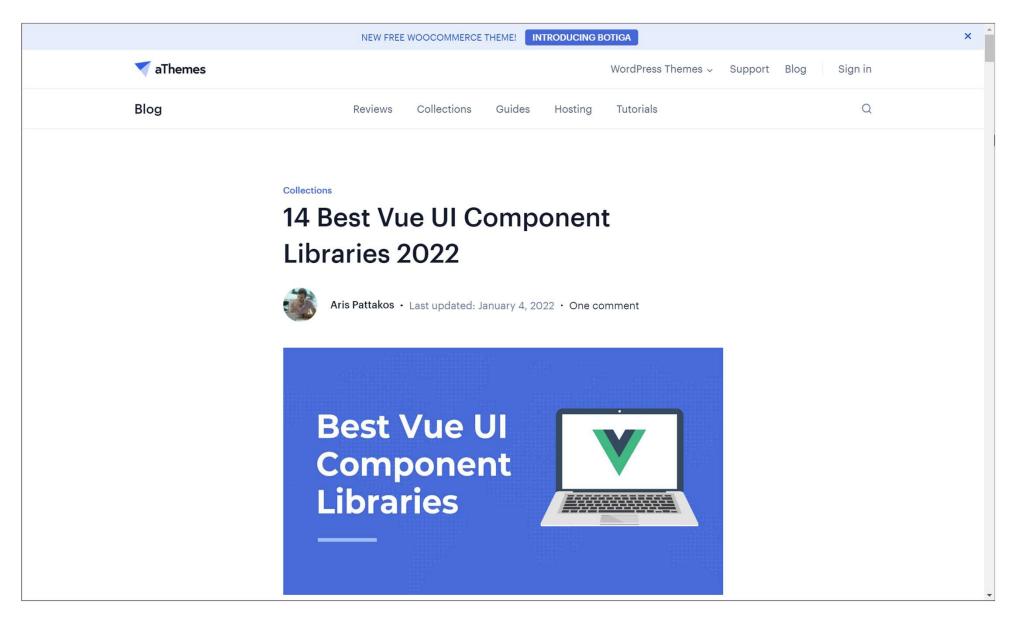


https://vuetifyjs.com/en/

#### 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 (<a href="https://bootstrap-vue.org/">https://bootstrap-vue.org/</a>)
  - Buefy (<a href="https://buefy.org/">https://buefy.org/</a>)
  - Vue Material (<a href="https://www.creative-tim.com/vuematerial/">https://www.creative-tim.com/vuematerial/</a>)
  - ...and many, many more
- In all respect They all do (mostly) the same
  - A grid
  - Components
  - Helper libraries (colors, sizes, variables etc)



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  $2.x \rightarrow Vue 2.x$
  - Vuetify 3.x → Vue 3.x Not ready for production yet!

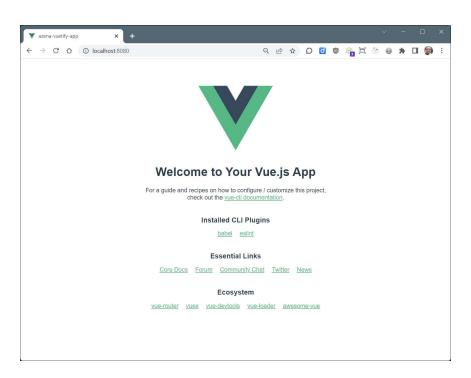
#### Vue CLI Install

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

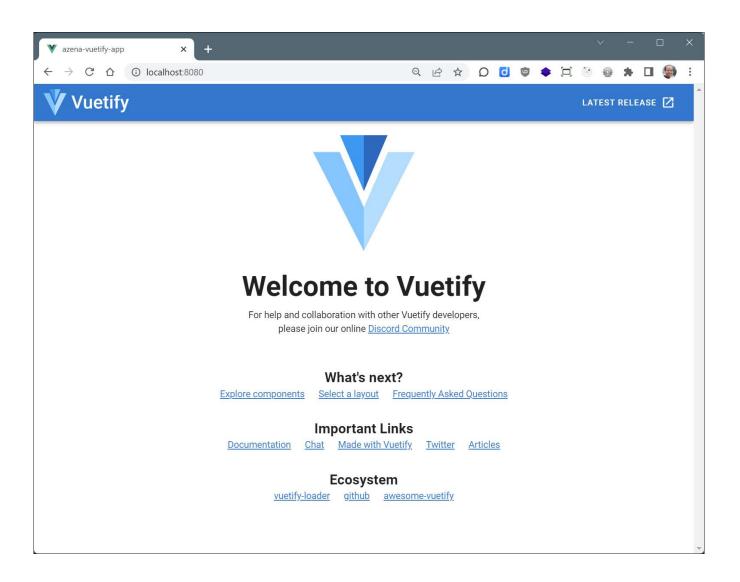
- We're using Vue CLI here
  - Other options: manually install, using Nuxt, using Webpack, CDN and more.
  - We're NOT doing that here!
- 1. Create a new Vue Project, or go with existing project
- Select [Default Vue 2 ....] as project type
- See if the application runs.
- Should be default application



#### 2. Add Vuetify to project using CLI

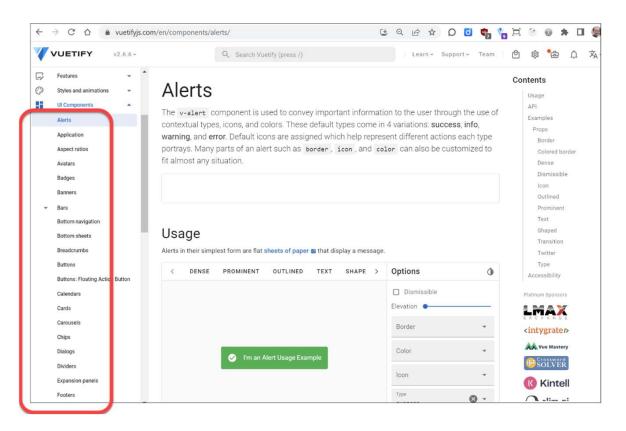
- vue add vuetify
  - Choose the defaults (for now you can always update later!)
  - Project files are updated
  - Home Component is rewritten
  - You get a glimpse of the layout possibilities using Vuetify
- Project should still run without changes!

#### 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

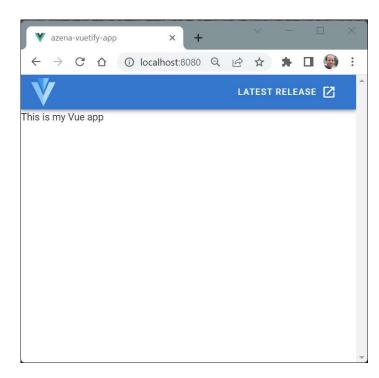


#### **Your Vuetify app...**

- ...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>
```



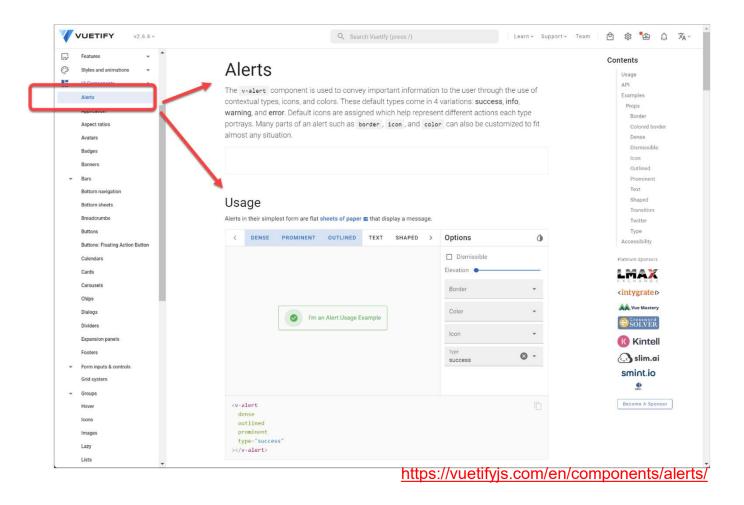
#### Using Vuetify-components in HelloWorld.vue

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



#### Always: RTFM! - look up the documentation

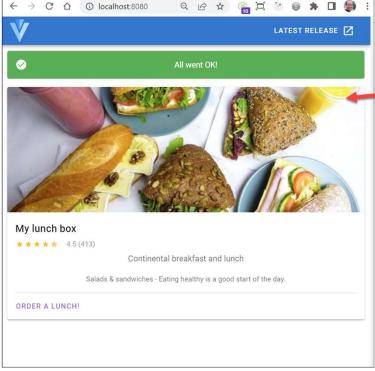
- In this case: the Alert
- Experiment with the settings, colors, outlining and attributes



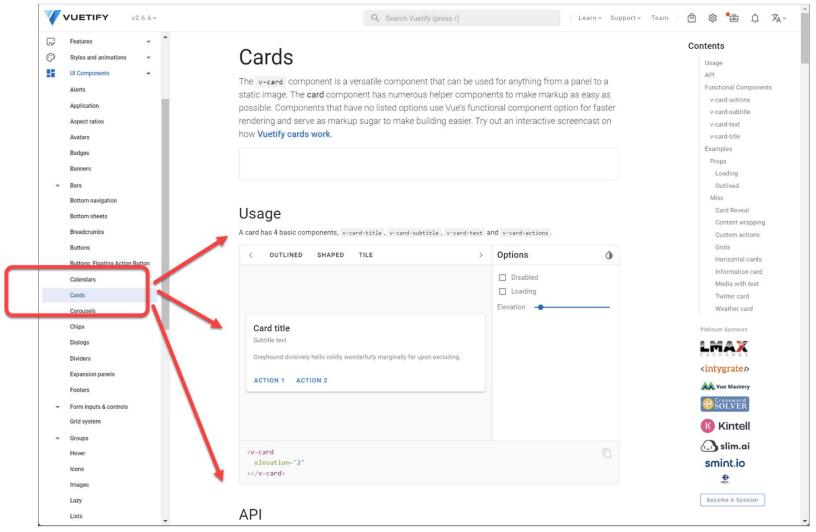
#### **Composed components**

- 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>
```



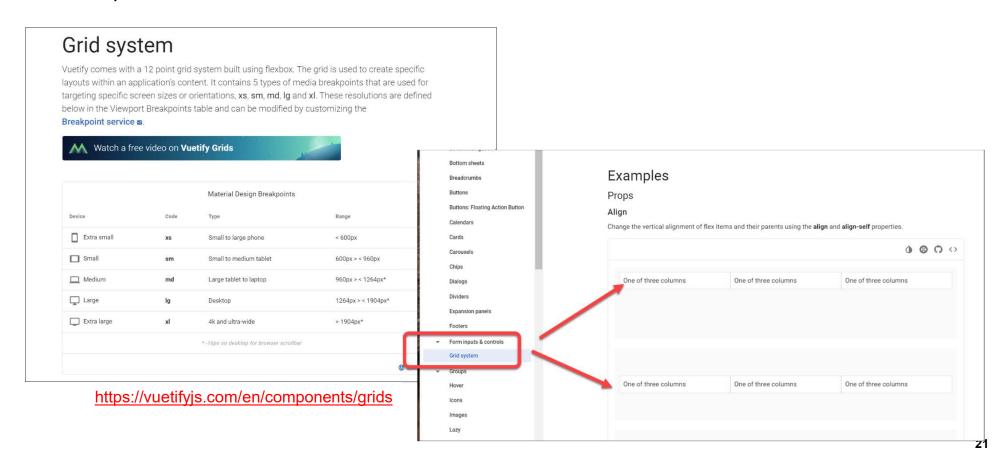
https://vuetifyjs.com/en/components/cards/



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

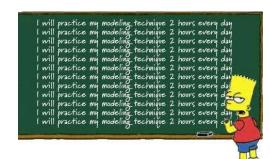
#### The Vue Grid System

- 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...



#### 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