

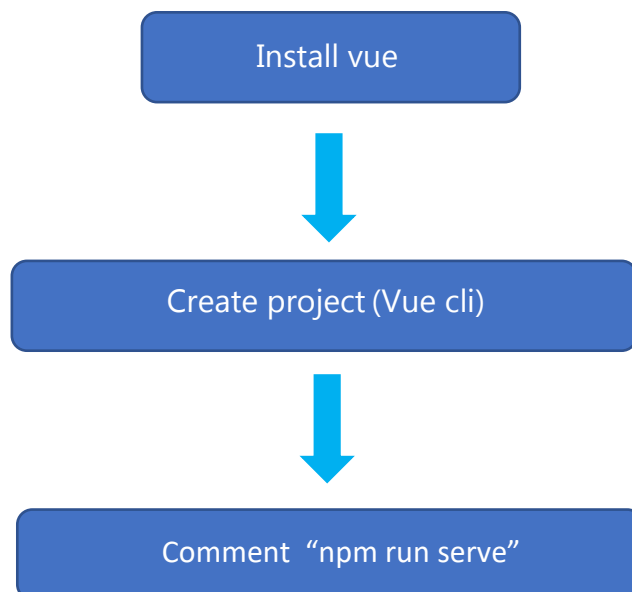


1/24/2022

# Vue js components

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## 1. Understand concept of making components

- Vue is a progressive framework for building user interfaces. Unlike other monolithic frameworks, Vue is designed from the ground up to be incrementally adoptable. The core library is focused on the view layer only, and is easy to pick up and integrate with other libraries or existing projects. On the other hand, Vue is also perfectly capable of powering sophisticated Single-Page Applications when used in combination with modern tooling and supporting libraries.
- One important feature of Vue is the ability to use components. Components are reusable Vue instances with custom HTML elements. Components can be reused as many times as you want or used in another component, making it a child component. Data, computed, watch, and methods can be used in a Vue component.
- Vue JS Developer Growth Rate & Learning Curve

- comment "npm install @vue/cli -g" for install vue cli

```
C:\Users\LENOVO>npm install @vue/cli -g
npm WARN deprecated source-map-url@0.4.1: See https://github.com/lydell/source-map-url#deprecated
npm WARN deprecated @hapi/bourne@1.3.2: This version has been deprecated and is no longer supported or maintained
npm WARN deprecated @hapi/topo@3.1.6: This version has been deprecated and is no longer supported or maintained
npm WARN deprecated unix@0.1.0: Please see https://github.com/lydell/unix#deprecated
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN deprecated apollo-tracing@0.15.0: The `apollo-tracing` package is no longer part of Apollo Server 3. See https://www.apollographql.com/docs/apollo-server/migration/#tracing for details
npm WARN deprecated source-map-resolve@0.5.3: See https://github.com/lydell/source-map-resolve#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated graphql-extensions@0.15.0: The `graphql-extensions` API has been removed from Apollo Server 3. Use t
```

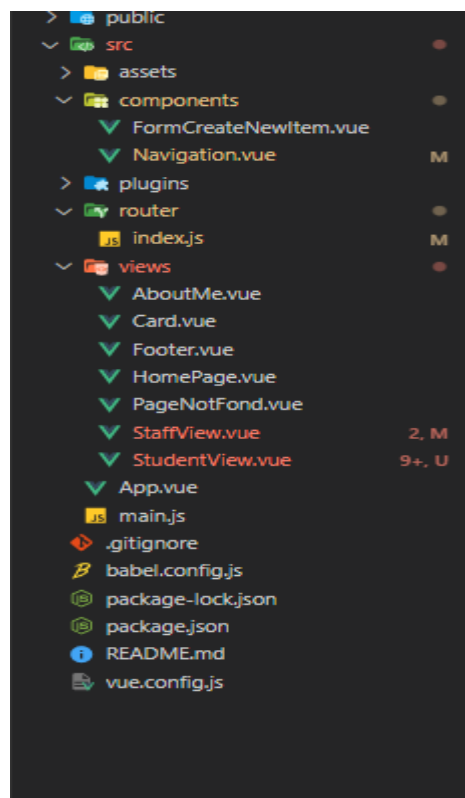
- comment "vue create (project name)"

```
Vue CLI v4.5.15
? Please pick a preset: (Use arrow keys)
> Default ([Vue 2] babel, eslint)
  Default (Vue 3) ([Vue 3] babel, eslint)
  Manually select features
```

- Comment "vue add router" or "npm install router" for install router in the project

## 2. Create internal custom component

- relationship in the internal component



- import components/FormCreateNewItem.vue to Views/StaffView and Views/StudentView.vue

```

1 import Form from "../components/FormCreateNewItem.vue";
2 export default {
3   components: {
4     "form-table": Form,
5   },
6 };

```

- use v-bind for send data fro, StudentView to FormCreateItem.vue

```

<section>
<form-table v-if="createDialog" @create-item="push" @cancel="closeDialogOfCreate" :form="formList" :fileName="fileName"></form-table>
</v-data-table> :headers="headers" :items="desserts" :search="search" sort-by="khmer" class="elevation-1">

```

- Use Emit for send back data from FormCreateItem to StudentView.vue

```

emits: ["create-item", "cancel"],

```

```

this.$emit('create-item', Newdata);

```

### 3. Create external components

### 4. Publish component to node repository

### 5. Reference

1. [Introduction — Vue.js \(vuejs.org\)](https://vuejs.org/)
2. [Material Component Framework — Vuetify.js \(vuetifyjs.com\)](https://vuetifyjs.com/)
3. [Vuetify — A Material Design Framework for Vue.js \(vuetifyjs.com\)](https://vuetifyjs.com/)