

Vue Cli/Ui Setup

It allows one to scaffold an entire vue project, It also allows one to deploy to an actual server, which has hot reloading during development.

NPM is a prerequisite to installation

Setup

1. Install vue cli globally , run

```
sudo npm install -g @vue/cli  
# OR  
yarn global add @vue/cli
```

2. Check if it has been installed successfully , run

```
vue --version
```

3. To update

```
npm update -g @vue/cli  
# OR  
yarn global upgrade --latest @vue/cli
```

After installation, you will have access to the `vue` binary in your command line

Creating a Project Using Vue Cli

To create a project (testing-cli), run

```
vue create testing-cli
```

This scaffolds an entire project, but it requires guidance, on the console it gives an interactive crating process

1. On the first stage choose the default by pressing `Enter`

```
? Please pick a preset:  
>default (babel, eslint)  
Manually select features
```

this brings in all the dependencies required by the project.

2. When done, cd into the project file and run npm run serve

```
cd testing-cli
```

```
npm run serve
```

npm run serve launches the local development server.

open the address given by the browser

3. To **Stop** the server, run **CTRL + C**

Usage

In the project created the App.vue is the root file for all the vue components

./src/App.vue

```
<template>
  <div id="app">
    <HelloWorld></helloWorld>
  </div>
</template>

<script>
import HelloWorld from './components/HelloWorld.vue';
import Tasks from './components/Tasks.vue';

export default {
  name: 'App',
  components: {
    HelloWorld,
    Tasks,
  }
}
</script>

<style>
#app {
  font-family: Avenir, Helvetica, Arial, sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
  text-align: center;
  color: #2c3e50;
  margin-top: 60px;
}
</style>
```

./src/components/HelloWorld.vue

```
<template>
  <div class="hello">
    Hello Coders
  </div>
</template>

<script>
export default {
  name: 'HelloWorld',
```

```
    props: {
      msg: String
    }
  }
</script>

<!-- Add "scoped" attribute to limit CSS to this component only -->

<style scoped>
h3 {
  margin: 40px 0 0;
}
ul {
  list-style-type: none;
  padding: 0;
}
li {
  display: inline-block;
  margin: 0 10px;
}
a {
  color: #42b983;
}
</style>
```

Creating a Project Using Vue UI

It an alternative to the Vue Cli

Run

```
vue ui
```

This redirects to the browser where it brings up the creation interface

Just follow the procedure and note to using `npm` as the package installer

Explore the dashboard

Navigate to `Project Tasks`

To run the server, click the `Run task` then `Open App`