



Introduction to Vue

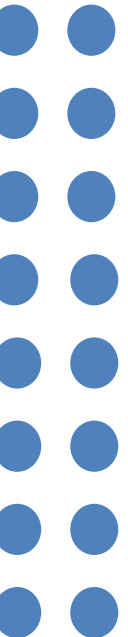
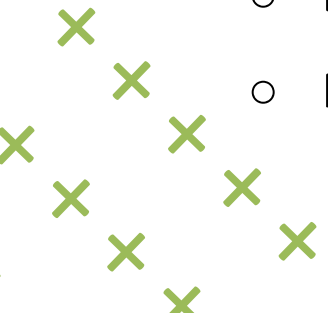


LESSON OBJECTIVES

- 
- Understand Vue.js fundamentals
 - Learn how to create projects
 - Explore the Vue folder structure
- 

What is Vue?

- Vue a JavaScript framework for building user interfaces.
- It builds on top of standard HTML, CSS, and JavaScript and provides a declarative, component-based programming model that helps you efficiently develop user interfaces.
- Vue has to core features:
 - Declarative Rendering
 - Reactivity

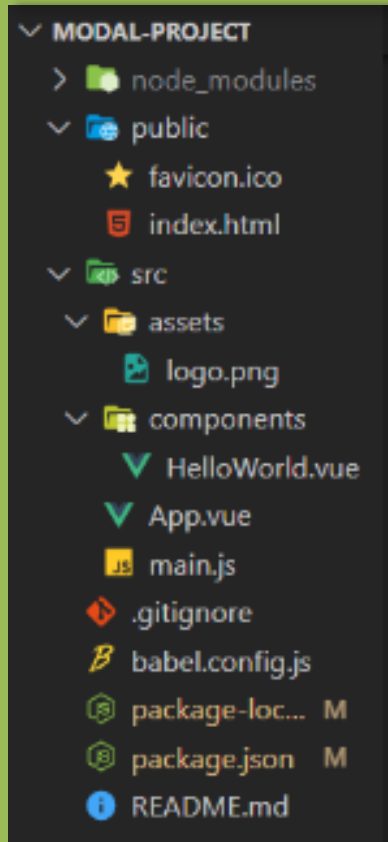


Installation

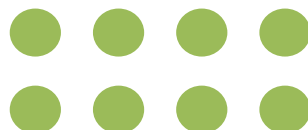
- Download and Install [Node.js](https://nodejs.org/en/) – Type `node -v` in cmd to check
- Install the Vue CLI on your computer with:
 - `npm install -g @vue/cli`
- Create a new Vue Project with the command:
 - `vue create *project name*`
- Manually select features → Deselect “Linter / Formatter” → Select “3.x” → Select “In package.json” → Type “n” and press enter



Folder Structure



- node modules
- public
- src folder
- assets
- components
- App.vue
- main.js



Vue Component



```
1 <template>
2   
3   <HelloWorld msg="Welcome to Your Vue.js App"/>
4 </template>
5
6 <script>
7 import HelloWorld from './components/HelloWorld.vue'
8
9 export default {
10   name: 'App',
11   components: {
12     HelloWorld
13   }
14 }
15 </script>
16
17 <style>
18 #app {
19   font-family: Avenir, Helvetica, Arial, sans-serif;
20   -webkit-font-smoothing: antialiased;
21   -moz-osx-font-smoothing: grayscale;
22   text-align: center;
23   color: #2c3e50;
24   margin-top: 60px;
25 }
26 </style>
```

- Template tag
- script tag
- style tag

