**Vue.JS**

**Video 1**

1.used with NPM

2.open source front end framework

3.sed for single page application

4.high run performance

**Video 2**

1. Install node
2. Install with vue CLI(command line input): **npm install -g @vue/cli**
3. Check installed or not
4. For update npm: **npm update –g @vue/cli**
5. For version check vue –version
6. **node –v** and **npm –v**
7. Make project with cli
8. vue create project name(vueclass)
9. cd vueclass
10. Run project : cd vueclass>>npm run serve

Bable.config.js is used for file conversion of library for any framework

**Video 3**

1. node\_modules and their package dependency stored in package.json are installed in node\_modules
2. node\_modules should not be uploaded on github because its too heavy and nmp installation it will install everything
3. Compoenents :piece of code special task ke liye unique identity eg:header footer navbar list

**Video 4**

1. Vetur extension is used to enable different color in vscode for vue codes
2. Component:piece of code reusable for particular task like a function used in function datatypes and in components are props(property). How to use props and export and import and use.
3. Create file component\_name component can be defined in many a number
4. Template will allow only one route component inside <h2></h2>
5. Props can be defined of many types in one component
6. **Props is defined in child component and imported in parent component**
7. In app.vue Home
8. Contact\_info is child component
9. // ContactInfo
10. <template>
11. <div class="container">
12. <div class="row">
13. Email: {{ emailAddress }}
14. Twitter: {{ twitterHandle }}
15. Instagram: {{ instagram }}
16. </div>
17. </div>
18. </template>
19. export default {
20. name: 'ContactInfo',
21. props: ['emailAddress', 'twitterHandle', 'instagram'],
22. };

// ProfilePage

<template>

<div class="profile-page">

<div class="avatar">

<img src="user.profilePicture" />

{{ user.name }}

</div>

</div>

</template>

1. import ContactInfo from './ContactInfo.vue';
2. export default {
3. name: 'ProfilePage',
4. // Add it as a dependency
5. components: {
6. ContactInfo,
7. },
8. data() {
9. return {
10. user: {
11. name: 'John Smith',
12. profilePicture: './profile-pic.jpg',
13. emailAddress: 'john@smith.com',
14. twitterHandle: 'johnsmith',
15. instagram: 'johnsmith345',
16. },
17. }
18. }
19. };

we have to add in the component to our <template> section in

// ProfilePage

<template>

<div class="profile-page">

<div class="avatar">

<img src="user.profilePicture" />

{{ user.name }}

</div>

<!-- Add component in with props -->

<contact-info

:email-address="emailAddress"

:twitter-handle="twitterHandle"

:instagram="instagram"

/>

</div>

</template>

**Video 5(click event)**

Click event Define method property->define function->make button->click event->pass params with event

1. All method define in after props-----------
2. v-on event is called on button used

**<button v-on:click="hello('make hello call')">Call Hello</button>**

**<button v-on:mouseover="hello('make hello call')">Call Hello</button>**

**Video 6(Conditional rendering)**

1.**Data function property**:for defining property and each compoent have it, in this component property is defined eg: (if else): v-if=”show” and v-else directives used for html templates elements update/change

**Data function returns property**

2.**Button**

<button v-on:click="display">Toggle</button>

methods:{   //display button

            display(){

                 this.show=!this.show  //not equals sign this will revert

                 //this.show=false

            }

        }

**Video 7**

1.v-for is basic directive and data() function consists object users

<tr v-for="user in users" :key="user.id">//key has to be defined for id earlier version of vue not needed

            <td>{{user.Id}}</td>

            <td>{{user.name}}</td>

            <td>{{user.email}}</td>

        </tr>

data()

    {

        return {

            users:[//object  in data function

                {id:1,name:'Abhi',email:'Abhi@test.com'},

                {id:2,name:'Akash',email:'Akash@test.com'},

                {id:3,name:'Amit',email:'Amit@test.com'},

                {id:4,name:'Anish',email:'Anish@test.com'}

            ]

        }

**Video 8(composition with component)**

Eg: Home component and child component

Component are having all html css js and it describes for features like header,footer

1.div apply to particular home component only not to other

<div>     <h1>Home Component</h1>    </div>

<style lang="stylus" scoped>

    div{

        background-color: rgb(46, 119, 184);

    }

</style>

Composing component in component

**Video 9(Template)**

1. Javascript property can be directly implemented in html.

**Video 10(Class n Style Bindings)**

**Video 10(Data Bindings)**

**Video 19()**

**Console** is an object which provides access to the browser debugging

**Video 22(axios)**

1.Two package install for calling API and recommended package are axios and Vue-axios

a.install axios and vue-axios

b.make component

c.use mounted life cycle hooks for call API

d.fetch api with axios

e.use v-for for show list of data

api url <http://dummy.restapiexample.com/api/v1/employee>s this is for dumy data

1. **cmd\_prompt: npm i axios vue-axios**(both are package)

2. run `npm audit fix` to fix them, or `npm audit` for details

import vue from 'vue';

import VueAxios from 'vue-axios'

import axios from 'axios';

Vue.use(VueAxios,axios)//data binding

3.mounted() lifecycle is used when DOM is ready then lifecycle is intialised

**Video 23(add bootstrap)**

1. Bootstrap can be added via yarn,npm vue bootstrap and vue cli
2. We use vue cli to add bootstrap **cmd\_prompt: vue add bootstrap-vue**

**Video 24(Submit data API)**

1. make form
2. install axios
3. get from data
4. submit data to api
5. test API result

Goto

<http://github.com/typicode/json-server> //fake api

install **npm install -g json-server**

**go refer all step by step last**

**json-server --**watch in db.json

<http://localhost:3000/posts/1>

<https://www.npmjs.com/package/vue-axios> //install all vue-axios **cmd\_prompt: npm i axios vue-axios**(both are package)

postman url: http://localhost:3000/posts

browser->network->header

**Video 26**

Error: token 1.0 add .vue() and webpack.mix.js