**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 or npm install -g vue**
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 vueclass(project name**)
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. In app.vue Home

**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 12(Props)**

1. Parent to child data transfer

2. Child to Parent component

$emit(function,data) pass custom event to parent component

**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**

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 in **cmd prompt**: **vue add bootstrap-vue**

**Video 24(API-Post)**

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

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

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

**go refer all step by step last**

**json-server --watch 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 25(API-Delete)**

Fetch all data for list

Show all record with table

Make function for delete record

Delete record on button click

Test API result

**Video 26(Routing)**

Vue Routing have special package for route don’t have default router

Install vue package

Import component

Make Routers

Register Router

Test

**cmd prompt:** **npm install vue-router**

**Video 27(Routing Link)**

Adding Routing link

Where we should define router link

Define link for current routing

Make 1 more router

**Video 28(Pass data in routing paramters)**

Pass data with Routing in vue.js

Add some fake user list in home

Define Route with Params

Open new route on click

Get data from route

**Vue-vee-validate(Code Tuber)**

1. add vuelidate **npm install vuelidate --save**
2. **vue add bootstrap-vue**

**Extra error**

1. laravel 6 don’t have vue component folder install directly from frontend scaffolding

**composer require laravel/ui:^1.0 –dev**

**php artisan ui bootstrap**

**php artisan ui vue**

1. error:[webpack-cli] Error: Unknown option '--hide-modules'

[webpack-cli] Run 'webpack --help' to see available commands and options

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