------------------------------------Vue js------------------------------------

virtual dom vs dom

https://medium.com/@koheimikami/understanding-rendering-process-with-virtual-dom-in-vue-js-a6e602811782#:~:text=In%20general%2C%20a%20Virtual%20Dom,changes%20on%20the%20Virtual%20Dom.

https://v1.vuejs.org/guide/installation.html
https://www.tutorialspoint.com/vuejs/vuejs_overview.htm
https://tutorialzine.com/2016/03/5-practical-examples-for-learning-vue-js

https://appdividend.com/category/vue/

vue js with datatable
https://appdividend.com/2018/06/07/vue-datatable-component-example/

vue mastery Video
https://www.vuemastery.com/courses/intro-to-vue-js/vue-instance/
<script src = "https://unpkg.com/vue"></script>

1) install vue js with cli
        npm install -g @vue/cli

2) check version
        vue --version
        sudo npm update -g @vue/cli

3) update latest version
        sudo npm uninstall -g vue-cli
        sudo npm install -g @vue/cli@latest

4) create project
        vue create blog
        select default
        npm run serve

5) Routing
https://router.vuejs.org/guide/#html
npm install vue-router
main.js

import VueRouter from "vue-router";
import User from "./components/User.vue";
import Home from "./components/Home.vue";
Vue.use(VueRouter);

 const routes = [
   { path: "/", component: Home },
   { path: "/user", component: User },
 ];

```
const router = new VueRouter({
  routes,
  mode: "history",
 });

new Vue({
  render: (h) => h(App),
  router
}).$mount("#app");
```

app.vue
```
<router-view></router-view>
```

**add class active with conditon
```
<div class="[isActive ? activeClass : ']"></div>
```

```
data(){
   isActive : true
   activeClass : 'active'
}
```

**redirect next page
1st way
```
  <b-button v-on:click="$router.push('/movies/' +list.id)" variant="info">More info</b-button>
```

2nd way
```
<router-link :to="`/movies/${list.id}`">
    <b-button variant="info">More info</b-button>
</router-link>
```

**lifecycle hooks*
https://www.digitalocean.com/community/tutorials/vuejs-component-lifecycle
https://flaviocopes.com/vue-cheat-sheet/

**form validation
https://vuelidate.js.org/#sub-basic-form
https://vuelidate.js.org/#getting-started
https://vuejs.org/v2/cookbook/form-validation.html#Using-Custom-Validation
https://webomnizz.com/form-handling-and-validation-with-vuejs/
https://blog.logrocket.com/form-input-validation-in-vue-js-using-watchers/
https://vuejsdevelopers.com/2018/08/27/vue-js-form-handling-vuelidate/

**laravel with vue js
installation guide::-
        composer require laravel/ui
        php artisan ui vue
        php artisan ui vue --auth
        npm install
        npm run dev
```

**\*\*vue pagination component in laravel**
https://appdividend.com/2018/04/26/vue-pagination-tutorial-from-scratch/

**\*\*form validation**
https://vuelidate.js.org/#sub-basic-form
https://vuelidate.js.org/#getting-started
https://vuejs.org/v2/cookbook/form-validation.html#Using-Custom-Validation
https://webomnizz.com/form-handling-and-validation-with-vuejs/
https://blog.logrocket.com/form-input-validation-in-vue-js-using-watchers/
https://vuejsdevelopers.com/2018/08/27/vue-js-form-handling-vuelidate/


**\*\*install bootstrap**
npm install bootstrap
import "bootstrap";
import 'bootstrap/dist/css/bootstrap.min.css';


**\*\* install jquery popper.js**
npm install jquery popper.js

**\*\* install axios**
npm install axios
import axios from "axios";


-------------------------------------------------**vuex**-------------------------------------------------------------

**instalation**
npm install vuex --save
npm install es6-promise --save

**\*\*basic structure of store file**

```
import Vue from 'vue'
import Vuex from 'vuex'

Vue.use(Vuex)

export default new Vuex.Store({
  state: {
    // put variables and collections here
  },
  mutations: {
    // put sychronous functions for changing state e.g. add, edit, delete
  },
  actions: {
    // put asynchronous functions that can call one or more mutation functions
  }
})
```

**defining store into main.js

// src/main.js
import store from './store'

new Vue({
  store,
  render: h => h(App)
}).$mount('#app')

**auth in vue
https://scotch.io/tutorials/handling-authentication-in-vue-using-vuex

****
nuxt js
****
https://nuxtjs.org/guides/get-started/installation
https://www.youtube.com/watch?v=nteDXuqBfn0

fake api 1
https://medium.com/@keikaavousi/introduction-to-fake-store-api-dummy-data-for-your-shopping-web-application-a759ad53f3e

https://fakestoreapi.com/products

fake api 2
https://reqres.in/

installation ::
npm install -g create-nuxt-app
npx create-nuxt-app <projectname>
cd <projectname>
npm run dev
npm start

bootstrap-vue after install project
https://medium.com/javascript-in-plain-english/customize-bootstrap-in-nuxt-3da863703b35