

What is Vue js?

Front-end java script / typescript framework

Used to create dynamic and data driven websites

Used to create stand alone widgets(Search bar,contact form)

Fast,reliable,interactive single page application

Uses DOM to make easier interactive and manage state and data

Vue Widgets

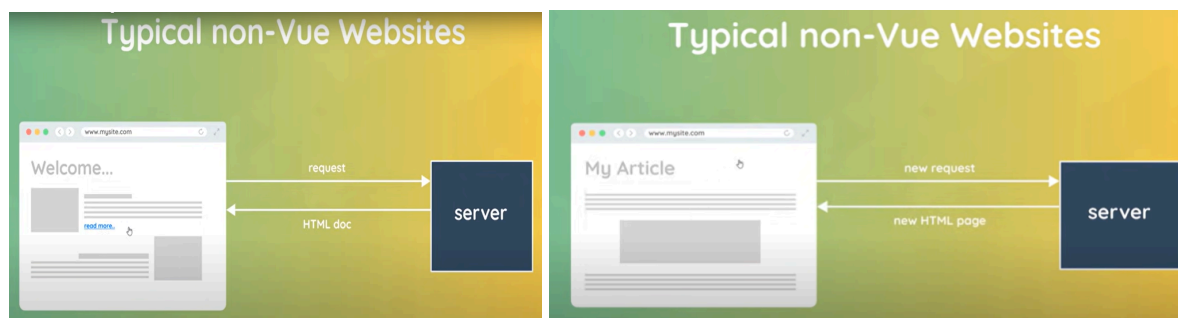
Vue-> FULL website / Stand Alone components

For stand alone component it simply creates Vue Component

We can use the same widget component in different places —> reusability

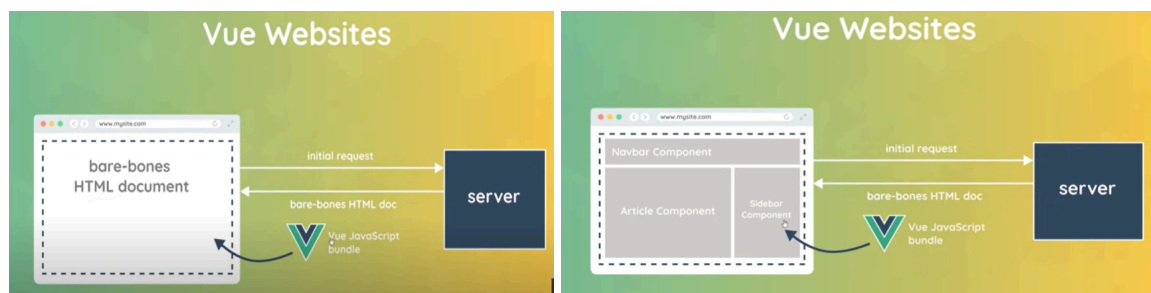
Several different component will be made into a Vue website which is also known as Single page Application

Single page Application —> handles most of the routing between different pages or views in browser instead of server.



Each page requested would take some time to get for the server and display it

We can create a vue component such as search bar which can be injected into the static code





Here it explains that, Vue would intercept the new component request without going to the server, instead Vue handles it in the browser and renders it.

It makes the navigation of pages from one to the other fast and smooth

Vue intercepts subsequent requests and handles “page” changes in the browser by swapping what component are shown on the page.

Vue 3 New Features

THE COMPOSITION API

Improves on reusability, organisation and readability for code especially for more complex components

It does this by giving us a new `setup()` function->inside component to tap into some of view call functionality

We can have multiple root elements for a component template, but in before days we have wrap everything in a single root, whereas here we can have as many as root elements side by side as we like → it reduces amount of unnecessary html code in our web page

TELEPORT COMPONENTS

Render component from one component in a different place in the DOM

Useful for things like modals

SUSPENSE COMPONENTS

Used to handle asynchronous components easily

Can Provide fall-back content(eg a spinner) until data is loaded

TYPESCRIPT SUPPORT

We can now write Vue in typescript