

What is Vue.js (or just “Vue”)?

Vue.js (Vue) is a JavaScript framework that makes building interactive and reactive web frontends (= browser-side web applications) easier.

“JavaScript”

A programming language that is supported by all browsers. It allows you to manipulate the already-running page and hence provide richer user experiences.

“framework”

A framework is a (third-party) library that exposes utility functionalities AND a “set of rules” (a clear guidance) on how to build your JavaScript application

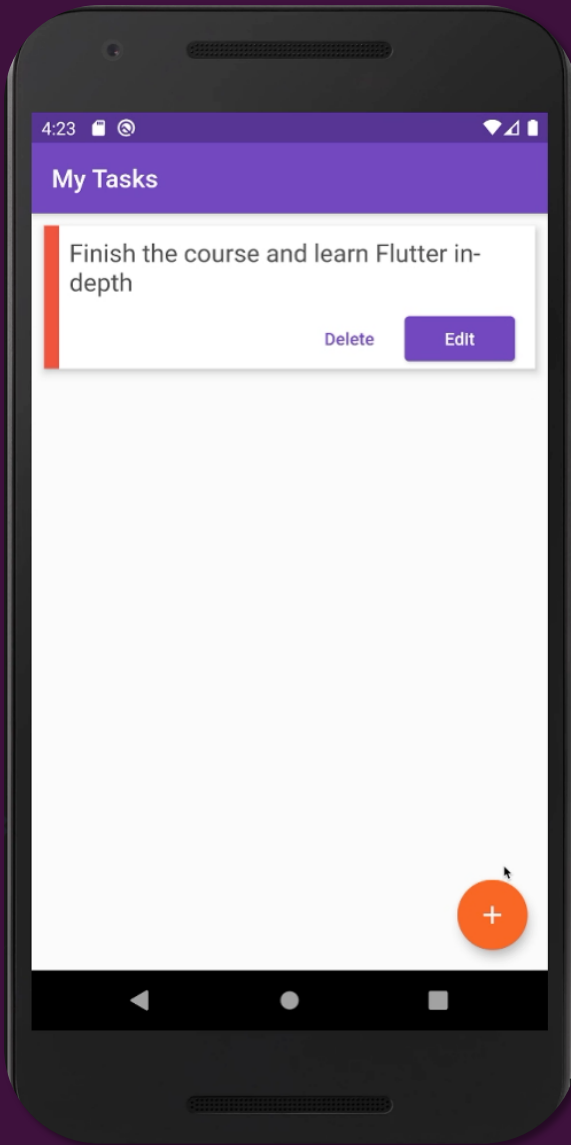
“reactive”

Your app is able to react to user input, update the screen dynamically (e.g. to show overlays or input validation errors) → Look and feel of mobile apps

“web frontends”

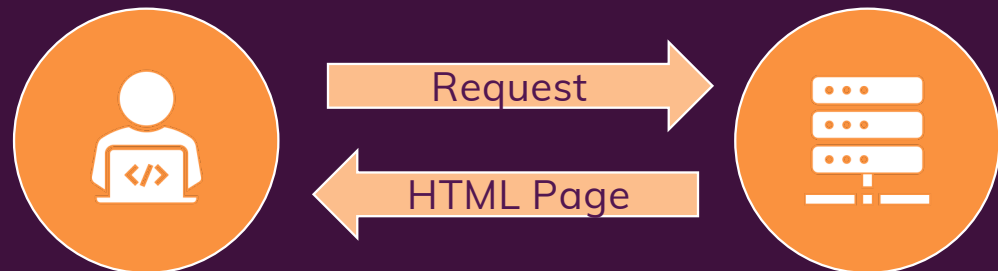
“What the user sees”

HTML + CSS + JavaScript, running in the browser of your user

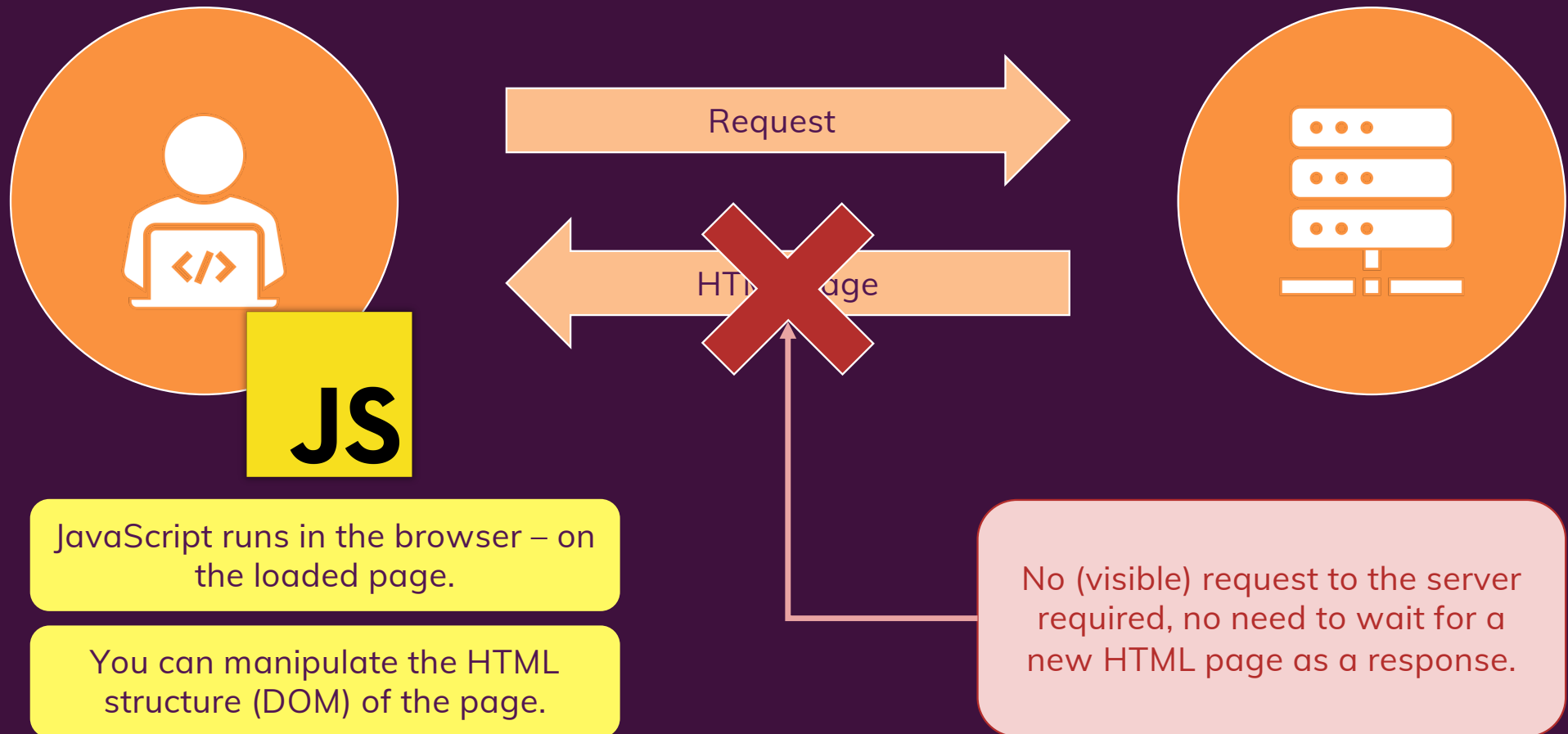


Mobile apps and desktop apps **feel very “reactive”**: Things happen instantly, you **don’t wait** for new pages to load or actions to start.

Traditionally, in web apps, you click a link and wait for a new page to load. You click a button and wait for some action to complete.



JavaScript To The Rescue!



But “Just JavaScript” May Not Be Ideal!

You can build ANY kind of web application with just “vanilla” JavaScript

No framework like Vue is needed!

BUT

You have to write all code on your own (→ “re-invent the wheel”)

You might write suboptimal code or introduce errors & bugs

Working in a team might be harder because not everyone knows your structure and “code philosophy”

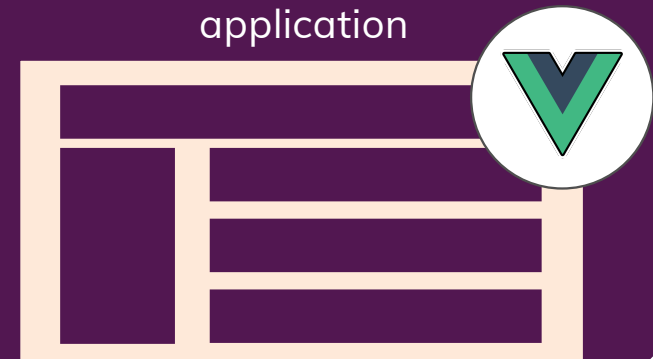
Different Ways of Utilizing Vue

Vue can be used to **control parts** of HTML pages or entire pages.



“**Widget**” approach on a multi-page-application.
(Some) pages are still **rendered on and served by a backend server**.

Vue can also be used to **control the entire frontend** of a web application



“Single-Page-Application” (SPA) approach. Server **only sends one HTML page**, thereafter, Vue takes over and controls the UI.

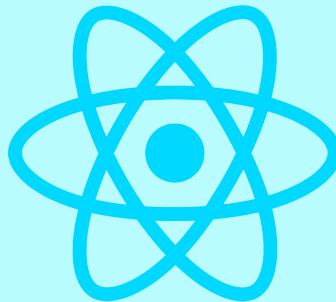
Vue Alternatives

Angular



Complete component-based UI framework, packed with features. Uses TypeScript. Can be overkill for smaller projects.

React.js



Lean and focused component-based UI library. Certain features (e.g. routing) are added via community packages.

Vue.js



Complete component-based UI framework, includes most core features. A bit less popular than React & Angular.

Course Content

Basics

Core Syntax, Templates, Directives,
Data, Methods, Computed
Properties, Watchers

Intermediate

Components, Component
Communication, Behind the Scenes,
Forms, Http, Routing, Animations

Advanced

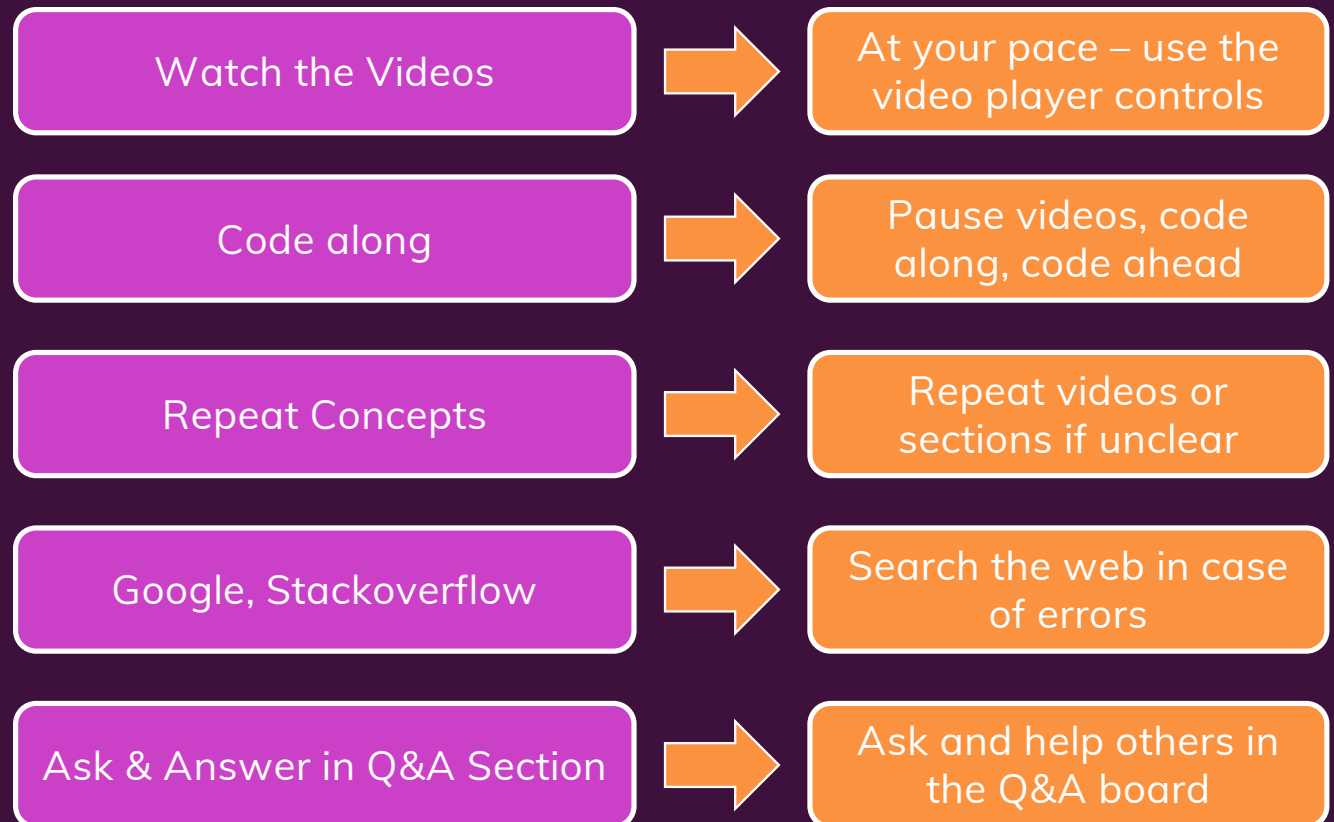
Vuex, Authentication, Deployment
& Optimizations, Composition API,
Re-using Code

Dozens of Small
Demos / Mini Projects

Multiple bigger Course
Projects

Assignments,
Challenges

Getting The Most Out Of This Course



Code Attachments

