

VUE.JS

Objetivos:

El curso se ha diseñado para aprender Vue.js desde cero hasta un nivel experto. Para este objetivo empezaremos con los conceptos más básicos y de una forma incremental pasaremos por Vuex, pruebas unitarias, etc..

Temario:

Introduction to EcmaScript:

- Let vs Var vs Const
- Template literals
- Object literals
- Arrays
- Functions
- Destructuring objects and arrays
- Imports and exports
- Arguments to promises
- Fetch API
- Async - Await
- Ternary and null check

Introduction to Vue.js

- Introduction to Vue.js
- Hello World - Vue.js
- Declarative Representation
- Component State - Data
- Introduction to events
- Indexing and destructuring
- Event modifiers
- Directives
 - v-if and v-show directives
 - v-for directive

Structure

- Default generated directory structure
- Basic SRC directory structure
- Component
- Component status and Vue DevTools
- Computed Properties
- Increment and Decrement
- Properties - Props
- Different ways to define props
- Validating props
- Watch - Observing changes in a reactive property
- Make HTTP request to a backend

Introduction to unit and integration test

- Unit test
- Expect
- Snapshot
- Verify value in an HTML tag
- FindAll vs Find
- Simulate events
- Code optimisation
- Read props from tests
- Submitting and Evaluating Props
- Initial testing in the Indecision component
- Define the tests to be performed
- Spy and Mocks
- Spy with the Vue instance
- Simulate an API failure

Single Page Application concept

- Life Cycle
- Creation of necessary pages
- Manual configuration of the Vue Router
- No page found
- LazyLoad of pages
- Navigating between pages - RouterLink
- RouterLink Active
- Lifecycle Hooks - Lifecycle of a component
- Triggering Lifecycle Methods
- URL Segments and QueryParameters
- Receiving URL Props
- HTTP request and redirects
- Redirection from the router
- Custom RouterLink
- Multiple Router-View - Daughter Routes
- Guard - Route Protection (Global)
- Asynchronous global Guard
- Route-specific Guard

Vuex

- Installation of Vuex
- Reactive state
- Actions
- mapActions
- Lock button while an action is working
- Getters
- Modules
- Actions, Getters, Mutations, State from a module
- Separate module into separate files
- Section source code