

Complete Vue Mastery Course Guide

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Vue Fundamentals

Getting Started

- section-2-1-STARTER.zip
- section-2-1-COMPLETE.zip
- Vue Installation - <https://v3.vuejs.org/guide/installation.html>

Vue Dev Tools

- Vue Dev Tools Installation - <https://v3.vuejs.org/guide/installation.html#vue-devtools>

Binding Attributes

- section-2-9-COMPLETE.zip

Listening to Events

- section-2-11-COMPLETE.zip

Event Modifiers

- Events - <https://v3.vuejs.org/guide/events.html>

Keyboard Events and Modifiers

- Key Modifiers - <https://v3.vuejs.org/guide/events.html#key-modifiers>
- Keycode - <https://keycode.info/>

Computed Properties

- Computed Properties - <https://v3.vuejs.org/guide/computed.html>

Watchers

- section-2-17-COMPLETE.zip

Binding Classes

- section-2-18-STARTER.zip

Binding Styles

- Classes and Stylings - <https://v3.vuejs.org/guide/class-and-style.html>
- section-2-19- COMPLETE.zip

Conditional Rendering

- section-2-20-STARTER.zip

The v-show Directive

- Conditional Rendering - <https://v3.vuejs.org/guide/conditional.html>
- section-2-21-COMPLETE.zip

List Rendering

- section-2-22-STARTER.zip
- List Rendering - <https://v3.vuejs.org/guide/list.html#list-rendering>

Understanding the role of the key attribute

- section-2-23-STARTER.zip
- section-2-23-COMPLETE.zip
- Maintaining State - <https://v3.vuejs.org/guide/list.html#maintaining-state>

Project 1: Perspective Playground

Creating a Perspective Playground

- section-3-1-STARTER.zip

Copying to the Clipboard

- section-3-2-COMPLETE.zip

Vue: Beyond the Fundamentals

Mounting the Vue Instance

- section-4-1-STARTER.zip

Using Lifecycle Hooks

- Vue Lifecycle - <https://v3.vuejs.org/guide/instance.html#lifecycle-hooks>
- section-4-3-COMPLETE.zip

Understanding Reactivity with Proxies

- Codepen - <https://codepen.io/>

- Proxy Object - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Proxy

The Vue Compiler

- Vue Builds - <https://v3.vuejs.org/guide/installation.html#explanation-of-different-builds>
- CDN JS - <https://cdnjs.com/libraries/vue>

Introduction to Components

- section-4-7-COMPLETE.zip

Vue Developer Environment

Installing Webpack

- section-5-2-STARTER.zip
- Webpack - <https://webpack.js.org/>

Installing Babel

- Babel - <https://babeljs.io/>
- Babel Presets - <https://babeljs.io/docs/en/presets>

Installing Sass

- Sass - <https://sass-lang.com/>

Bundling CSS

- Mini CSS Extract Plugin - <https://github.com/webpack-contrib/mini-css-extract-plugin>

Sass Basics

- Sass Color Functions - <https://sass-lang.com/documentation/modules/color>

PostCSS

- PostCSS - <https://github.com/postcss/postcss>
- PostCSS Parts - <https://www.postcss.parts/>
- section-5-9-COMPLETE.zip

Understanding Linting

- ESLint - <https://eslint.org/>

Installing ESLint

- Configuring ESLint - <https://eslint.org/docs/user-guide/configuring/>

Advanced Vue Components

Installing the Vue CLI

- Vue CLI - <https://cli.vuejs.org/>

Reviewing the Files

- Vue Babel Plugin - <https://www.npmjs.com/package/@vue/babel-preset-app>

Component Styles

- Scoped CSS - <https://vue-loader.vuejs.org/guide/scoped-css.html#scoped-css>

Using Sass in Components

- Vue CLI CSS - <https://cli.vuejs.org/guide/css.html>

Validating Props

- Type Checks - <https://v3.vuejs.org/guide/component-props.html#type-checks>

Callback Functions

- section-6-13-COMPLETE.zip

Named Slots

- Slots - <https://v3.vuejs.org/guide/component-slots.html>
- section-6-15-COMPLETE.zip

Dynamic Components

- section-6-16-COMPLETE.zip

Transitions & Animations

Animating with CSS Transitions

- section-7-1-STARTER.zip

Fine-tuning Animations

- Transitions - <https://v3.vuejs.org/guide/transitions-overview.html>

JavaScript Zoom Animation

- Web Animation API - https://developer.mozilla.org/en-US/docs/Web/API/Web_Animations_API/Using_the_Web_Animations_API

Transition CSS Class Names

- Animate.css - <https://animate.style/>
- Animate.css CDN - <https://cdnjs.com/libraries/animate.css>
- section-7-9-COMPLETE.zip

Project 2: Vue Quiz App

Setting up the Quiz Application

- Static Assets Handling - <https://cli.vuejs.org/guide/html-and-static-assets.html#static-assets-handling>
- section-8-1-STARTER.zip

Finishing Touches

- section-8-4-COMPLETE.zip

Master Project: Introduction to Vuex

Installing Yarn

- Yarn - <https://classic.yarnpkg.com/lang/en/>

Reviewing the UI and Files

- Browserslist - <https://github.com/browserslist/browserslist>
- EditorConfig - <https://editorconfig.org/>
- Style Guide - <https://v3.vuejs.org/style-guide/>

Adding the Template

- music-template.zip

What is Tailwind?

- TailwindCSS - <https://tailwindcss.com/>
- PurgeCSS - <https://purgecss.com/>

Installing Tailwind

- Tailwind Configuration - <https://tailwindcss.com/docs/configuration>

Loading Assets

- Static Assets Handling - <https://cli.vuejs.org/guide/html-and-static-assets.html#static-assets-handling>

Splitting the Template into Components

- Component Names Style Guide - <https://v3.vuejs.org/style-guide/#component-files-strongly-recommended>

Adding Tabs

- music-9-22-COMPLETED.zip

Master Project: Form Validation

Setting up Form Validation

- Form Validation - <https://vuejs.org/v2/cookbook/form-validation.html>

Validation Components

- The Field Component - <https://vee-validate.logaretm.com/v4/api/field>

Defining Rules

- Vee Validate Rules - <https://vee-validate.logaretm.com/v4/guide/global-validators#@vee-validate/rules>

Validating the Form

- music-10-11-COMPLETED.zip

Sidebar: Slot Properties

- section-10-12-STARTER.zip
- Scoped Slots - <https://v3.vuejs.org/guide/component-slots.html#scoped-slots>

Custom Error Messages

- Global Message Generator - <https://vee-validate.logaretm.com/v4/guide/i18n#global-message-generator>

Showing Alerts

- How we spent 30k USD in Firebase in less than 72 hours - <https://hackernoon.com/how-we-spent-30k-usd-in-firebase-in-less-than-72-hours-307490bd24d>

Setting up the Login Form

- music-10-18-COMPLETED.zip

Master Project: Authentication

Understanding Authentication

- Firebase - <https://firebase.google.com/>

Reviewing the Rules

- Firebase Rules - <https://firebase.google.com/docs/rules>

Setting up the Firebase SDK

- Firebase Web Setup - <https://firebase.google.com/docs/web/setup>

Handling the Response

- Authentication SDK - <https://firebase.google.com/docs/reference/js/firebase.auth.Auth>

Understanding Authentication

- Firebase Request Auth -

<https://firebase.google.com/docs/reference/rules/rules.firestore.Request#auth>

Connecting the User with their Data

- createUserWithEmailAndPassword() Function -

<https://firebase.google.com/docs/reference/js/firebase.auth.Auth.html#createuserwithemailandpassword>

Setting up the Login

- signInWithEmailAndPassword() Function -

<https://firebase.google.com/docs/reference/js/firebase.auth.Auth.html#signinwithemailandpassword>

JSON Web Tokens

- JWT - <https://jwt.io/>
- Base64Decode - <https://www.base64decode.org/>
- music-11-17-COMPLETED.zip

Master Project: Routing

Understanding Routing

- Vue Router - <https://next.router.vuejs.org/>

History Mode

- History API - https://developer.mozilla.org/en-US/docs/Web/API/History_API
- History Mode - <https://next.router.vuejs.org/guide/essentials/history-mode.html>

Tailwind Styles for Active Links

- AP Reference - <https://next.router.vuejs.org/api/>

Guarding Routes

- Navigation Guards - <https://next.router.vuejs.org/guide/advanced/navigation-guards.html>

Route Meta Fields

- Route Meta Fields - <https://next.router.vuejs.org/guide/advanced/meta.html>

Master Project: Uploading Files

Handling the File

- HTML5 Audio - https://en.wikipedia.org/wiki/HTML5_audio#Supported_audio_coding_formats

Firestore Rules and Validation

- Firestore Secure Files - <https://firebase.google.com/docs/storage/security/core-syntax>

Improving the Progress Bar

- Font Awesome - <https://fontawesome.com/>
- Tailwind Text Color - <https://tailwindcss.com/docs/text-color>

Handling Errors and Successful Uploads

- Error Codes - <https://firebase.google.com/docs/storage/web/handle-errors>

Storing the File Data in the Database

- File Metadata - <https://firebase.google.com/docs/storage/web/file-metadata>

Fallback Upload

- Drag and Drop Support - <https://caniuse.com/dragndrop>

Canceling Uploads with Refs

- music-13-14-COMPLETED.zip

One More thing about References

- section-13-15-STARTER.zip

Deleting a Song from the Storage/Database

- Delete Files - <https://firebase.google.com/docs/storage/web/delete-files>
- Security Rules - https://firebase.google.com/docs/firestore/security/rules-structure#granular_operations

Router Leave Guards

- music-13-25-COMPLETED.zip

Master Project: Playing Music

Path Parameters

- Dynamic Route Matchmaking - <https://next.router.vuejs.org/guide/essentials/dynamic-matching.html>

Updating the Comment Count

- No PlusPlus - <https://eslint.org/docs/rules/no-plusplus>

Storing the Song in the State

- Howlerjs - <https://howlerjs.com/>

Toggling Audio

- Howler Documentation - <https://github.com/goldfire/howler.js#documentation>

Route Transitions

- music-14-22-COMPLETED.zip

Master Project: Internationalization

Introduction to I18N

- Vue I18N - <https://vue-i18n-next.intlify.dev/>
- Language Codes - <https://www.science.co.il/language/Locale-codes.php>

Formatting and Pluralization

- Pluralization - <https://vue-i18n-next.intlify.dev/guide/essentials/pluralization.html>

Number Localizations

- Number Localization- <https://vue-i18n-next.intlify.dev/guide/essentials/number.html>
- Number Format - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Intl/NumberFormat

Translating HTML with Component Interpolation

- Component Interpolation - <https://vue-i18n-next.intlify.dev/guide/advanced/component.html>

Master Project: PWA

The Manifest File

- Install Criteria - <https://web.dev/install-criteria/>

Configuring the Manifest File

- Vue CLI PWA Plugin - <https://cli.vuejs.org/core-plugins/pwa.html>

Workbox

- Workbox - <https://developers.google.com/web/tools/workbox>

Firebase Data Persistence

- Enable Persistence - <https://firebase.google.com/docs/reference/js/firebase.firestore.Firestore#enablepersistence>

Handling Offline Uploads

- music-17-8-COMPLETED.zip

Master Project: Performance Optimizations

Auto-Registering Global Components

- Lodash - <https://lodash.com/>

Progress Bar

- N Progress - <https://ricostacruz.com/nprogress/>

Code Coverage

- music-18-12-COMPLETED.zip

Master Project: Deployment + Production

Deploying an App with Vercel

- Vercel - <https://vercel.com/>

Master Project: Testing Your Vue App

Introduction to Jest

- Jest - <https://jestjs.io/>
- Mocha - <https://mochajs.org/>
- Jasmine - <https://jasmine.github.io/>

Writing our First Test

- Vue Jest - <https://github.com/vuejs/vue-jest>
- Vue CLI Jest Plugin - <https://cli.vuejs.org/core-plugins/unit-jest.html>
- expect() Function - <https://jestjs.io/docs/expect>

Testing the Inner Content

- Wrapper Methods - <https://next.vue-test-utils.vuejs.org/api/#wrapper-methods>

E2E Testing Overview

- Cypress - <https://www.cypress.io/>
- Cypress CLI Plugin - <https://cli.vuejs.org/core-plugins/e2e-cypress.html>

Writing an E2E Test

- music-20-20-COMPLETED.zip

Composition API

Mixins

- section-21-2-STARTER.zip

Reactive References

- section-21-3-STARTER.zip

Advantages of the Composition API

- section-21-10-COMPLETE.zip

Router Hooks

- section-21-11-STARTER.zip

Vuex Hooks

- section-21-12-COMPLETE.zip

Verifying Reactivity

- section-21-13-COMPLETE.zip

Component Design Patterns

Controlled Components

- section-22-2-STARTER.zip

Separation of Concerns

- section-22-3-COMPLETE.zip

Third-party Libraries as Controlled Components

- section-22-4-STARTER.zip
- section-22-4-COMPLETE.zip
- Emoji Button - <https://emoji-button.js.org/>
- Emoji Button API Docs - <https://emoji-button.js.org/docs/api/>

Moving Beyond Vue's Event System

- section-22-5-STARTER.zip

Encapsulating Scrolling

- Lipsum - <https://www.lipsum.com/>

The Teleport Component

- section-22-7-COMPLETE.zip

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