

# Vue JS 2024 Quiz

Total points 24/50

The respondent's email ([dyna.phung@student.passerellesnumeriques.org](mailto:dyna.phung@student.passerellesnumeriques.org)) was recorded on submission of this form.

✗ Which tool helps with the development and debugging of Vue.js applications?

0/2

- ☐ Vue Router
- ☐ Vue CLI
- ☐ Vue Devtools
- ☒ Vuex



Correct answer

- ☒ Vue Devtools



✓ Which lifecycle hook is called when the component is mounted?

2/2

- ☐ beforeCreate
- ☐ created
- ☐ beforeMount
- ☒ mounted



✓ What is the purpose of the v-if directive?

2/2

- ☐ To bind data
- ☐ To apply styles dynamically
- ☒ To conditionally render elements
- ☐ To loop through arrays



✗ How do you create a reactive object in Vue 3?

0/2

- ☐ Vue.reactive()
- ☐ reactive()
- ☐ useReactive()
- ☒ createReactive()



Correct answer

- ☒ reactive()



✓ **How do you define a template in a Vue component?**

2/2

- ☐ Using the render function
- ☒ Using the template tag
- ☐ Using the HTML tag
- ☐ Using a JavaScript string



✗ **What is the purpose of the ref function in Vue 3?**

0/2

- ☐ To create a reactive data property
- ☐ To refer to a parent component
- ☒ To create a reactive reference to a DOM element
- ☐ To define a route



Correct answer

- ☒ To create a reactive data property

✓ **What is a Vue directive?**

2/2

- ☒ A special token in the markup that tells the library to do something to a DOM element
- ☐ A way to define routes in a Vue application
- ☐ A function to manage state
- ☐ A method to fetch data from an API



✗ What is the purpose of <router-link>?

0/2

- ☒ To navigate to different components
- ☐ To fetch data from an API
- ☐ To create a link that triggers navigation
- ☐ To define a route

✗

Correct answer

- ☒ To create a link that triggers navigation

✗ How do you pass props to a child component?

0/2

- ☐ Using :propName="value" in the parent template
- ☒ Using the props attribute in the child component
- ☐ Using this.props in the parent component
- ☐ Using the v-pass directive

✗

Correct answer

- ☒ Using :propName="value" in the parent template



✗ **How do you define a component in Vue 3 using the Composition API?**

0/2

- ☐ defineComponent
- ☐ Vue.component
- ☐ createComponent
- ☒ Component.create

✗

Correct answer

- ☒ defineComponent

✗ **What is the purpose of beforeEach in Vue Router?**

0/2

- ☒ To fetch data before each route
- ☐ To define routes
- ☐ To execute a function before each navigation
- ☐ To render components conditionally

✗

Correct answer

- ☒ To execute a function before each navigation



✓ Which directive is used to bind attributes in Vue.js?

2/2

- ☐ v-for
- ☐ v-model
- ☐ v-show
- ☒ v-bind



✓ What is Vuex used for in Vue applications?

2/2

- ☐ Routing and navigation
- ☐ Managing application styles
- ☐ Handling component lifecycle
- ☒ State management



✓ What is the primary difference between ref and reactive?

2/2

- ☐ ref creates deep reactivity; reactive creates shallow reactivity
- ☐ They are used interchangeably with no significant difference
- ☒ ref is for primitive values; reactive is for objects
- ☐ ref is for objects; reactive is for arrays



✗ Which prop do you use to pass dynamic segments in Vue Router?

0/2

☐ params

☒ props

✗

☐ name

☐ path

Correct answer

☒ params

✗ How do you programmatically navigate to a different route?

0/2

☐ this.\$route('/path')

☐ this.navigate('/path')

☐ this.\$router.push('/path')

☒ this.\$route.push('/path')

✗

Correct answer

☒ this.\$router.push('/path')



✓ **What is Vue.js?**

2/2

- ☒ A frontend JavaScript framework
- ☐ A server-side framework
- ☐ A CSS preprocessor
- ☐ A database management tool



✓ **What is the use of emit in Vue 3?**

2/2

- ☐ To handle state management
- ☐ To define component props
- ☒ To trigger an event from a child component to a parent component
- ☐ To create computed properties



✗ **Which method is used to create a Vue application instance?**

0/2

- ☐ Vue.createApp
- ☐ new Vue
- ☐ createApp
- ☒ createVueInstance



Correct answer

- ☒ createApp





✓ **What is the purpose of the v-model directive?**

2/2

- ☐ To bind attributes
- ☐ To loop through arrays
- ☐ To apply conditional rendering
- ☒ To create two-way binding on input elements



✓ **Which of the following is a key feature of Vue 3?**

2/2

- ☐ Composition API
- ☐ Reactivity System
- ☐ Virtual DOM
- ☒ All of the above



✗ **How do you define routes in Vue Router?**

0/2

- ☐ Using routes: { path: "", component: "" }
- ☐ Using an array of route objects
- ☐ Using a JSON file
- ☒ Using routes: [...] in the main component



Correct answer

- ☒ Using an array of route objects



✗ Which hook would you use to perform a side effect when a reactive property changes?

0/2

- ☐ ref
- ☐ watch
- ☐ computed
- ☒ reactive



Correct answer

- ☒ watch

✓ Which method is used to create computed properties in the Composition API? 2/2

- ☐ createComputed
- ☐ compute
- ☐ useComputed
- ☒ computed



✗ What does the setup function return?

0/2

- ☐ Reactive references and methods
- ☐ A template string
- ☐ Methods
- ☒ Data properties

✗

Correct answer

- ☒ Reactive references and methods

This form was created inside of Passerelles numériques. [Report Abuse](#)

Google Forms



