# VUEJS

It is an open source JavaScript framework used to develop web interfaces.

## Features:

1. Virtual DOM: Changes are not directly made to the original DOM. Instead, A replica is created and stored in JavaScript data structure. And then both are compared and finally changes are written in original DOM.
2. Data Binding – It provides two way data binding and has a binding directive for this called v-bind.
3. Components: Vuejs helps to create custom elements.
4. Event Handling – v-on is the attribute added to the DOM element to listen to the events.
5. Animation/Transition – It has built-in transition component plus we can easily integrate third party animation libraries.
6. Computed properties – It helps to listen the changes made to the UI elements and performs calculation. There is no coding required for this.
7. Templates – Vuejs provides html based templates.
8. Directives – Vuejs has built-in directives like v-if, v-else, v-model, v-show, v-bind.
9. Watchers – They are applied to the data which changes frequently.
10. Routing – Navigation between the pages is performed by vue-router.

## Advantages:

1. It can be easily integrated with big and existing projects.
2. It is very lightweight.
3. Easy to learn.
4. Follow MVC Pattern.
5. Backward compatibility.