Features Of ReactJS

***React Features***

ReactJS is an open-source, component-based front end  JavaScript library which can be well characterised as a declarative, efficient, and a flexible one especially for building reusable UI components. There are some unique yet vital features of ReactJS that make it so popular. These are:

**JSX:**

JavaScript XML or JSX is an XML or HTML like JavaScript syntax extension used by ReactJS. Processed into JavaScript calls of React Framework, it extends the ES6. This allows the HTML-like text to co-exist with JavaScript react code.

**Components:**

A ReactJS application is known to be a multi-component application. Each component of the ReactJS application is reusable and is responsible for outputting a small, reusable piece of HTML code. Being the heart of all React applications, its components can also be nested. This nesting with other components allows the creation of complex applications built of simple building blocks.

**One-way Data Binding:**

ReactJS follows unidirectional data flow also known as one-way data binding, which certainly gives better control to the user throughout the application. But it requires additional features, in case the data flow is in another direction. This also increases the efficiency of the application by making it more flexible.

**Virtual DOM:**

To fill data in HTML DOM, ReactJS uses virtual DOM based mechanism as it works fast. The virtual DOM only changes individual DOM elements. Thus it does not reload complete DOM every time and is certainly fast.

**Simplicity:**

ReactJS uses JSX file. This makes the application simple and easy-to-understand. Again the reusable codes make it more simple to use and learn.

**Performance:**

ReactJS is a great performer as it manages a virtual DOM. The DOM deals with HTML, XML or XHTML. It is a cross-platform and programming API. With ReactJS, the user did not write directly to the DOM, but to the virtual DOM thus leading to smoother and faster performance.