**ReactJS**

**Popularity**

* ReactJS is an open source JavaScript library designed by Facebook
* Today, it is a very popularity front-end framework, because of its simplicity and flexibility
* It is estimated that more than 1,300 developers and 94,000 websites utilize ReactJS

**Strengths**

* Easy to learn
* Developers only need to familiarize themselves with HTML and CSS
* Simple framework
* Well-defined life cycle
* Component-based approaches
* JSX allows easy combination of JavaScript and HTML
* Reusable code components
* Able to break down complex components into smaller reusable components
* Able to complete projects more quickly
* One-direction data flow in ReactJS provides stable code
* Child elements will not affect the parent data
* Props make it possible to populate components using custom data
* Able to pass custom data to a specific UI
* Allows developers to fill blanks when rendering JSX components
* State stores all changes in one section
* All details are sourced from a single location
* Web applications become very simple
* Virtual DOM makes the user's experience better and developer’s work faster
* Detects when there has been a change in data
* Knows exactly when to re-render the web application
* Fast run-time performance
* Fast to display a large amount of components
* Open-source and constantly developing
* Easy debugging and testing
* SEO-friendly

**Weaknesses**

* Poor documentation
* Small contributing community
* Becomes relatively slow when there are very many users
* Requires manual processing of data changes

**What developers mostly use it for?**

* Develop web applications with high quality user interfaces
* Develop scalable, fast, and simple web applications
* Develop large web-based applications that change data while reloading pages
* Online businesses
* Search Engine Optimization (SEO)

**What kind of websites?**

* Social media
* Facebook
* Instagram
* Reddit
* WhatsApp
* Online businesses
* Airbnb
* Netflix
* PayPal
* Postmates
* Uber