

What is react and react uses?

React is an open-source Janascript
library used for building user interface (US),
especillay for single-page application (3PAS)
Where you need a fast, interactive user expe-

* Key Characteristics of React

1. Component - Based Aracticture:

outs are made up of independent, reuschle pieces couled components.

• Each component has its own structure

, login and style.

2. Virtual DOM:

· React uses a virtual Dom to efficiently update the UI

Dom, React updates the virtual one and syncs the changes.

* Why Use React ?

- · It makes us development faster and more
- · Allows for code reusability via component . Enhances performs using the virtual DOM



· Has a large ecosystem and community support.

· Compatible with other libraries and framcoorks (like Redux, Next. js)

* Uses of React

- 1) Single page opplication (SPAS)
- 2) Dynamic Web Applications
- 3) Reusable UI Components
- 4) Mobile App Development
- 5) E commers sites
- 6) Interactive Dashboards & Admin
- 7) Content Management System (CMS)