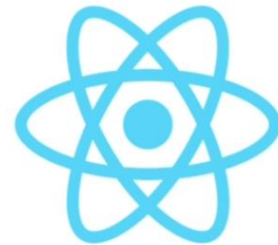


React JS

WHAT IS REACT?

A JavaScript library / framework created and maintained by Facebook that is used for building user interfaces

React gives us a way to build websites & UIs with organized and reusable components



UI COMPONENTS

OUTPUT / HTML (JSX)

LOGIC (JS)

STYLE (CSS)

Optional: Can also be separate

```
<App />
```

```
<MenuBar />
```

```
<MainPage />
```

```
<ListItem />
```

```
<ListItem />
```

```
<ListItem />
```

```
<SiteFooter />
```

React JS

WHAT YOU SHOULD KNOW

- ✓ JavaScript Basics - Data structures, loops, functions, etc
- ✓ The DOM - Document Object Model
- ✓ High Order Array Methods - forEach, map, filter, reduce
- ✓ Arrow Functions
- ✓ Async Programming & Fetch API
- ✓ NPM (Node Package Manager)

WHY LEARN REACT?

- ✓ Organization
- ✓ Reusable
- ✓ Flexibility
- ✓ Popularity & Support
- ✓ Performance



React JS

DECLARATIVE CODE

React is very declarative.

We can picture the result of this code by the declarative elements

```
<App>
  <Header title='Employee Manager' />
  <EmployeeSearch />
  <EmployeeList employees={employees} />
  <Footer />
</App>
```

Components

Props

State

Events

3. Environment Setup

React JS

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