Mastering React. js: A Comprehensive Crash Cou



Introduction to React. js

History of React.js

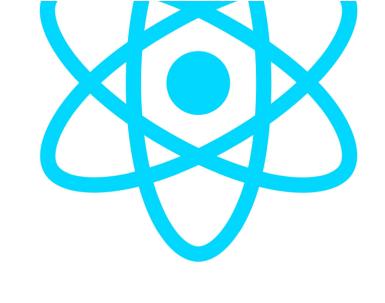
Why React. is over Vanilla JavaScript

Setting up development environment

Creating React. is project

Introduction to React.is

- React.is is a JavaScript library used for building user interfaces (UIs) and single-page applications.
- Created by Jordan Walke at Facebook.
- Most popular JavaScript library for frontend development.

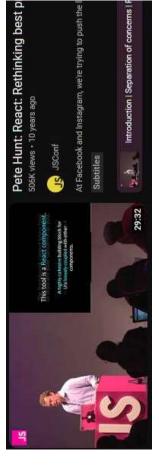


History of React.js

- React.js began as an internal tool for dynamic Facebook components.
- Created in 2011 but remained private initially.
- React.is was open-sourced by Jordan Walke and Tom Occhino at JSConfUS 2013.
- Released with the belief that its success at Facebook could benefit others.
- Initially faced criticism for combining JavaScript and HTML in a single file.
- combination of JavaScript and HTML in single file. It was widely hated and criticized because of its
- It slowly gained traction and blew up in adoption.



First Keynote given by Tom Occhino and Jordan JSConfUS 2013.



Second Keynote given by Pete Hunt at JSC



Enable Inline Keywords React.js History in 10minutes: The

Revolutionary Journey from Facebook to...

6K views · 10 days ago

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Discover the story of React is in our exciting documentary, "Unveiling React is: The Revolutionary Journey from Facebook to ...

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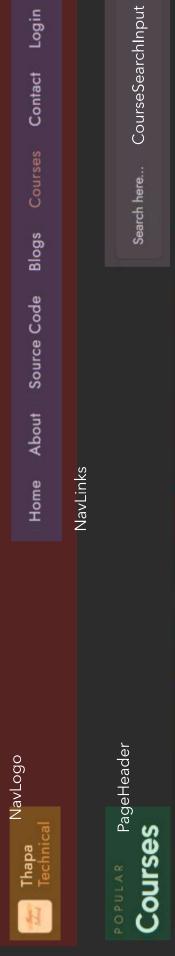
Watch this Documentary to know complete history of React. is

Is React JS Library or Framework?

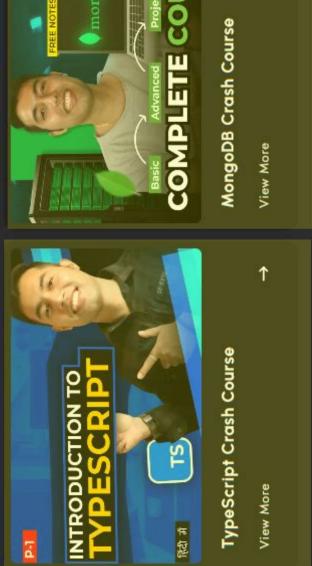
- React is not a framework. React is a JavaScript library for building user interfaces.
- confused if you read different notation in different places. It is also known as ReactJS and React.js, so don't get
- React knows only one thing that is to create an awesome UI.

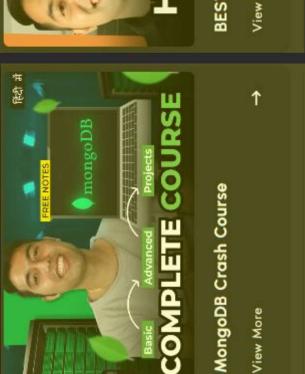


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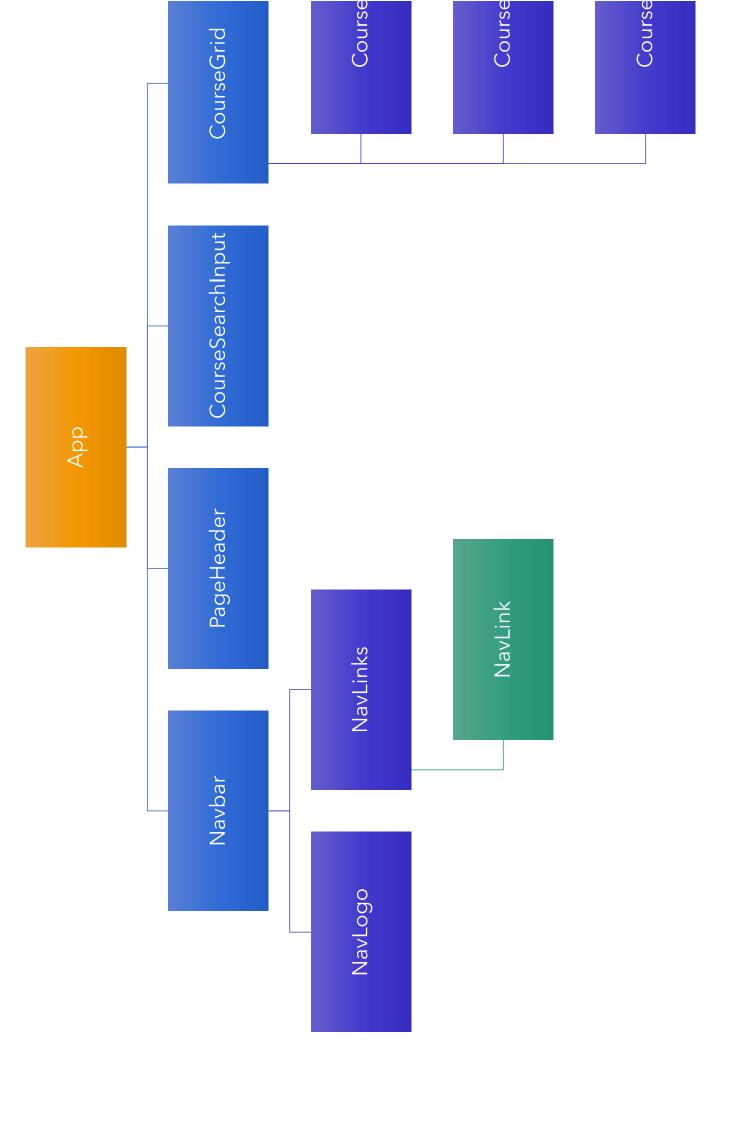
CourseCard

CourseCard

CourseCard

Here, CourseCard is shown 3 times. Traditionally, you would have to copy paste each of these but with React. is you can avoid duplicate code (Do not Repeat Yourself, DRY).

React. is application is just tree of such Components.





Republic of India

Population:1,380,004,385 Capital:New Delhi Region: Asia



Federal Democratic Republic of Nepal

Population:29,136,808 Capital:Kathmandu Region: Asia



People's Republic of Bangladesh

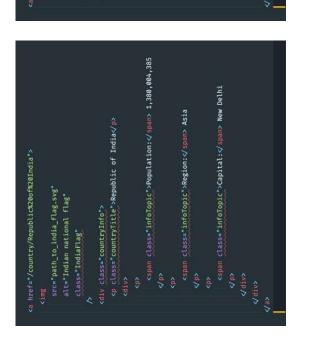
Population:164,689,383 Capital:Dhaka Region: Asia



Population:220,892,331 Islamic Republic of Region: Asia Pakistan

Capital:Islamabad

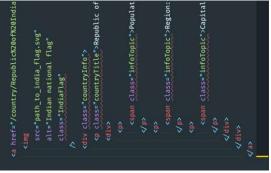




```
<span class="infoTopic">Population:</span> 1,380,004,385

                                                                                                                                                                                                                                                                                                                                                                                                      <span class="infoTopic">Region:</span> Asia
                                                                                                                                                                                                               Republic of India
<a href="/country/Republic%20of%20India">
                                                       src="path_to_india_flag.svg"
alt="Indian national flag"
```







Republic of India

Population:1,380,004,385 Region: Asia Capital:New Delhi



Federal Democratic Republic of Nepal

Population:29,136,808 Region: Asia Capital:Kathmandu



Islamic Republic of Pakistan

Population:220,892,331 Region: Asia Capital:Islamabad



People's Republic of Bangladesh

Population:164,689,383 Region: Asia Capital:Dhaka

React is Declarin

Why React.js?

React is declarative because it describes what the UI should look like rather than how to achiev it. This makes the code easier to read and maintain, as it is more focused on the end result rath than the steps involved in getting there.

```
const element = document.createElement('div'); // Create a new div element
                                                                                                       JS - Imperative
    React - Declarative
                                                                                                                                                                                                                                                                                                element.textContent = `Hello, ${name}!`;
                                        return <div>Hello, {name}!</div>;
function MyComponent(name) {
                                                                                                                                                                                                                                                                                                                                             return element;
```

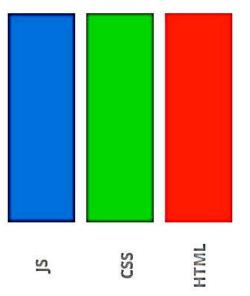
Here, we are manually creating elements, setting their properties, and appending them to the DOM.

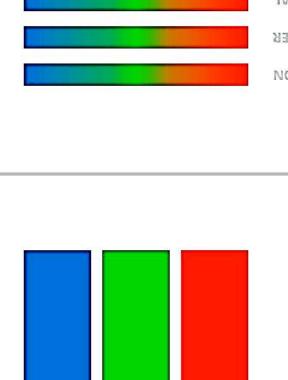
Why React.js over Vanilla JavaScript?

- components which combines all HTML, CSS and JavaScri features instead of separating HTML, CSS and JavaScript Oppose to Vanilla JavaScript, React has a concept called completely.
- React.js manages updating the DOM or Document Objec with the components written by us.









Traditional Way





Why React.js?

- React is the Most Popular JavaScript library for building user interfaces.
- Component-Based Architecture
- Declarative UI
- Rich Ecosystem npm packages
- Strong Community Support Online / Github