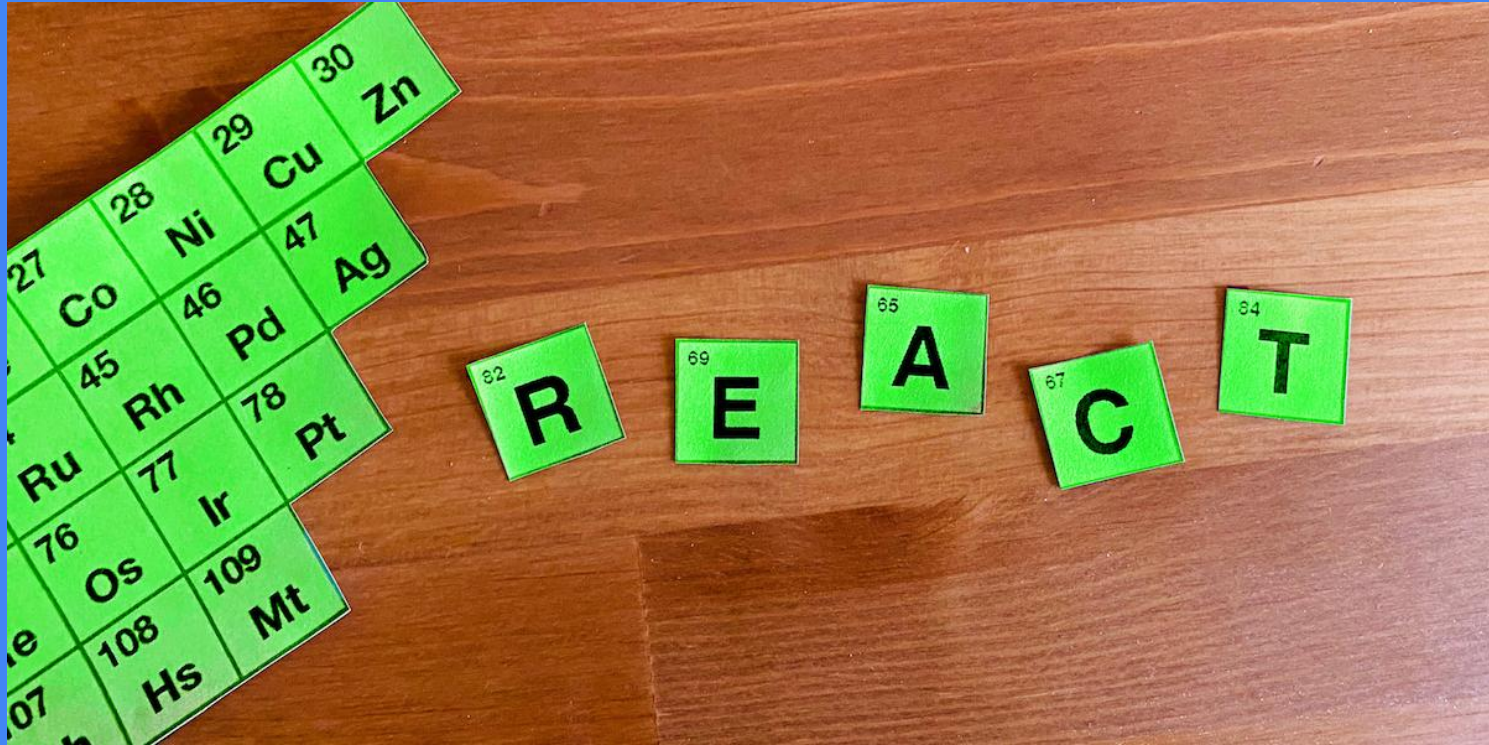
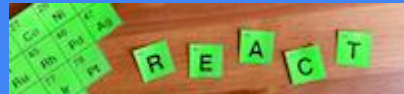


Build Your First React Website



What is React?

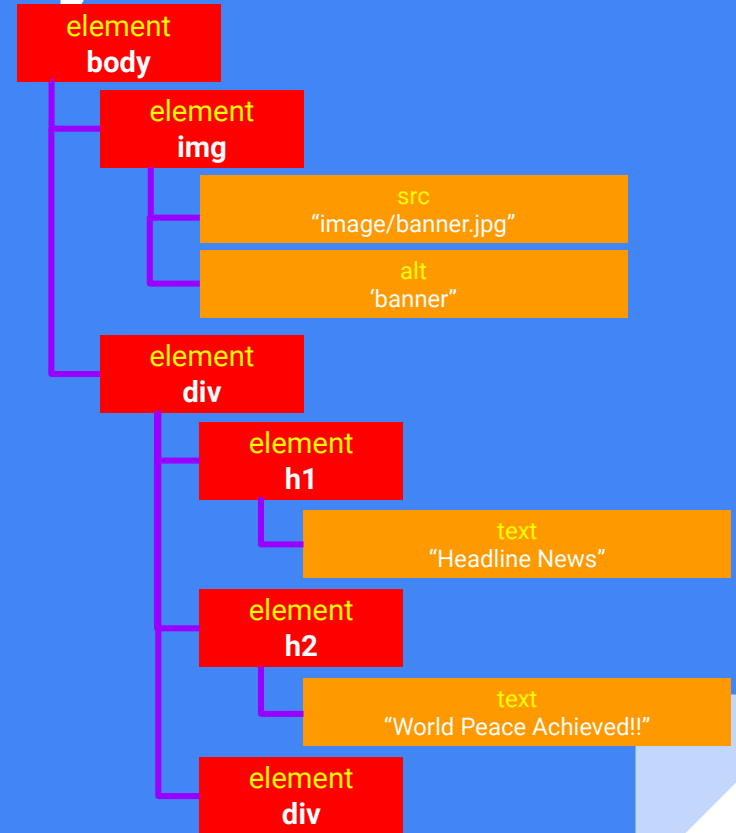


1. Open-source JavaScript Library created by Facebook
2. Best for handling data presentation (such as web pages)
3. Not to be confused with React Native
4. Virtual DOM facilitates fast, partial screen update

DOM Document Object Model

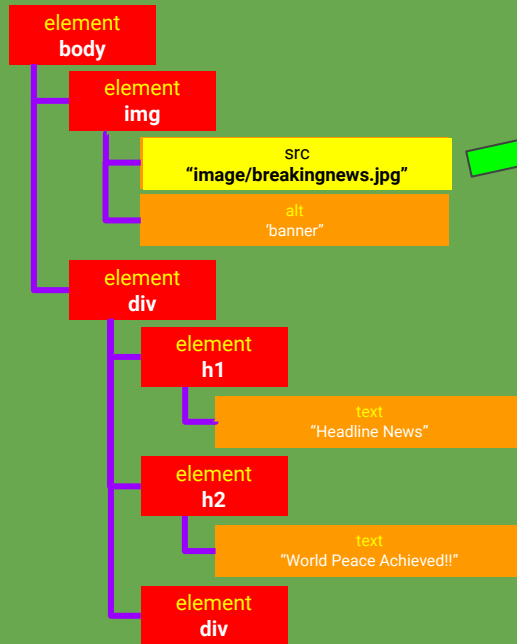
```
<body>
  

  <div>
    <h1>Headline News</h1>
    <h2>World Peace Achieved!!</h2>
    <div>
      
      <p>Last country on Earth signed world peace treaty...</p>
    </div>
  </div>
</body>
```

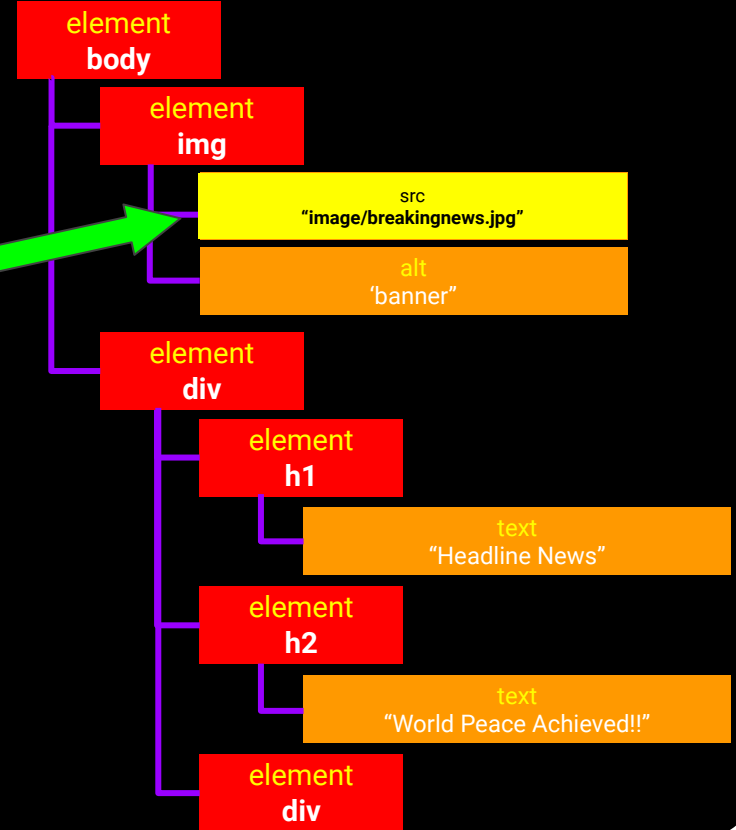


Virtual DOM

Memory (RAM)



Screen (UI)

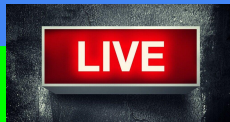


Topics

We will cover these in later tasks:

- JSX Javascript XML
- Functional components
- Class-based components

Values passed are
Stateless snapshots



Object-oriented
States
Lifecycle hooks



JSX - JavaScript XML

Must have enclosing tags!

```
return <div className="photo-entry-block" >  
  <a href={full_image_path}>  
    <img className="photo-img" src={full_image_path} alt={full_image_path} />  
  </a>  
  <h5>{this.props.caption}</h5>  
  <h6>{this.props.location}</h6>  
</div>
```

JavaScript expressions

Let's Start!

