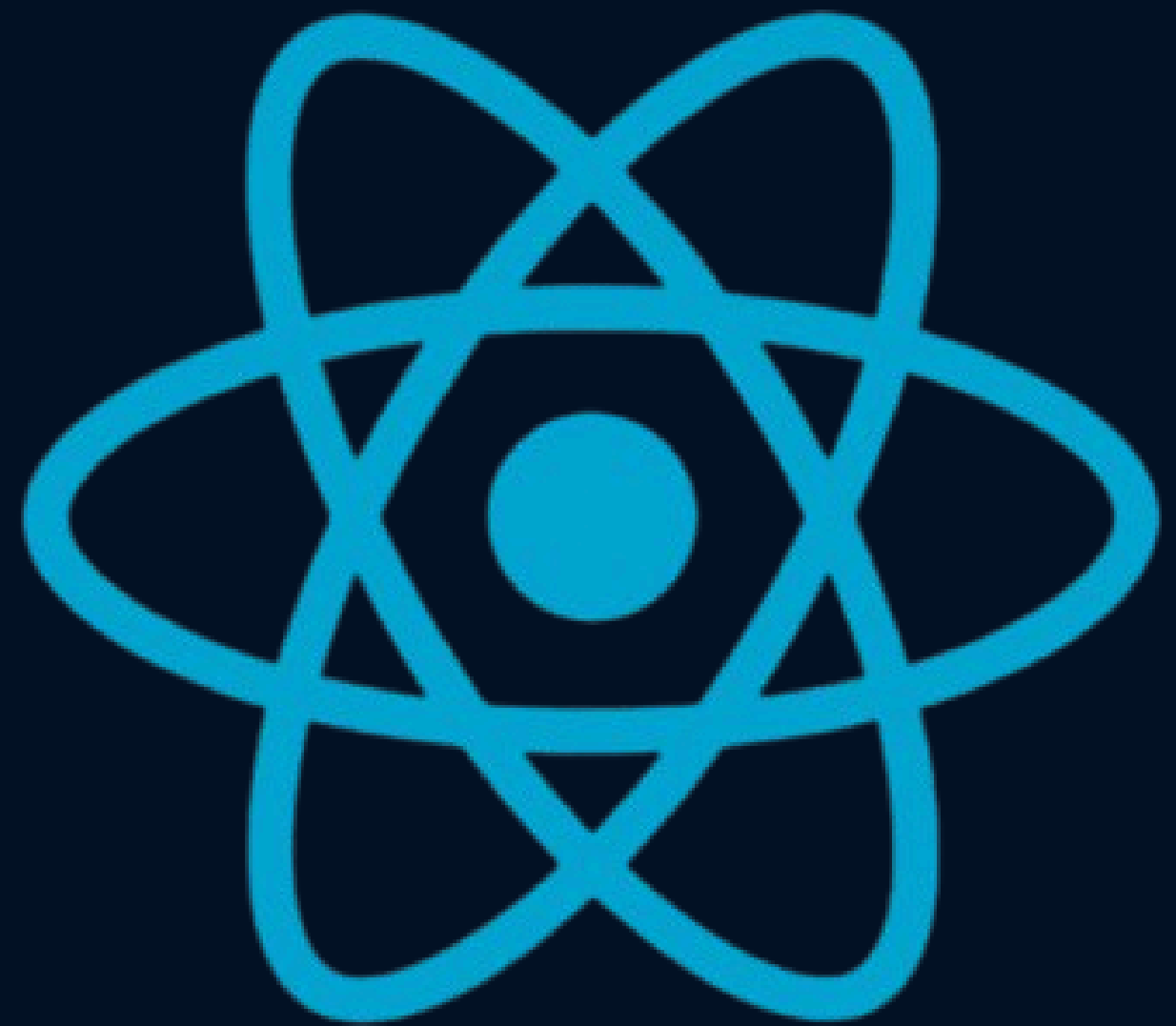


REACT JS NOTES (DAY 2)

Present by Sewak Dhakal



TOPICS FOR DAY 2



React Props



Passing Arrays to Props



Rendering Arrays



Conditionals



Dynamic Component Styling



Install React Developer Tools

REACT PROPS

Props are the information that you pass to a JSX tags.

```
basic-react-app > src > Product.jsx > ...
1  import './Product.css'
2
3  function Product({title, price}){
4      return (
5          <div className="product">
6              <p>{title}</p>
7              <p>Price:{price}</p>
8              </div>
9      )
10 }
11
12 export default Product;
13
```

```
basic-react-app > src > ProductList.jsx > ...
1  import Product from './Product.jsx'
2
3  function ProductList(){
4      return (
5          <>
6              <Product title="Laptop" price="30000"/>
7              <Product title="Mobile" price={15000}/>
8              <Product title="mouse" price="500"/>
9          </>
10     )
11
12 }
13
14 export default ProductList;
15
```

PASSING ARRAYS TO PROPS

Example of passing arrays and object to props.

```
basic-react-app > src > Product.jsx > ...
1  import './Product.css'
2
3  function Product({title, price, features, features2}){
4      return (
5          <div className="product">
6              <p>{title}</p>
7              <p>Price:{price}</p>
8              <p>{features}</p>
9              <p>{features2}</p>
10             </div>
11         )
12     }
13
14     export default Product;
15
```

```
basic-react-app > src > ProductList.jsx > ...
1  import Product from './Product.jsx'
2
3  function ProductList(){
4      let arr = ["hi-tech", "durable", "cost-effecitent"]
5      let obj = {a:"hi-tech", b:"durable", c:"cost-effecient"}
6      return (
7          <>
8              <Product title="Laptop" price="30000" features={arr}/>
9              <Product title="Mobile" price={15000} features2={obj.a}/>
10             <Product title="mouse" price="500"/>
11         </>
12     )
13
14 }
15
16 export default ProductList;
17
```

RENDERING ARRAYS

Use the `map()` function to render array items in JSX.

basic-react-app > src > ProductList.jsx > ...

```
1  import Product from './Product.jsx'
2
3  function ProductList(){
4    let arr = ["hi-tech", "durable", "cost-effecitent"]
5
6    return (
7      <>
8        <Product title="Laptop" price="30000" features={arr}/>
9
10     </>
11   )
12
13 }
14
15 export default ProductList;
16
```

basic-react-app > src > Product.jsx > ...

```
1  import './Product.css'
2
3  function Product({title, price, features, features2}){
4    return (
5      <div className="product">
6        <p>{title}</p>
7        <p>Price:{price}</p>
8        <ul>{features.map((feature)=><li>{feature}</li>)}</ul>
9        <p>{features2}</p>
10     </div>
11   )
12 }
13
14 export default Product;
15
```

CONDITIONAL RENDERING

You can use if statements or ternary operators for conditionally rendering components

```
basic-react-app > src > Product.jsx > ...
1  import './Product.css'
2
3  function Product({title, price, features, features2}){
4      return (
5          <div className="product">
6              <p>{title}</p>
7              <p>Price:{price}</p>
8              { price > 15000 ? <p>5% discount</p> : null }
9          </div>
10     )
11 }
12
13 export default Product;
```

DYNAMIC COMPONENT STYLING

You can apply styles dynamically using the 'style' prop.

```
basic-react-app > src > Product.jsx > ...
1  import './Product.css'
2
3  function Product({title, price, features, features2}){
4      let isDiscount = price > 15000;
5      let styles = { backgroundColor: isDiscount ? "yellow" : null }
6      return (
7          <div className="product" style={styles}>
8              <p>{title}</p>
9              <p>Price:{price}</p>
10             { isDiscount ? <p>5% discount</p> : null }
11          </div>
12      )
13  }
14
15  export default Product;
16
```

INSTALL REACT DEVELOPER TOOLS

React Developer Tools help you inspect React components.

How to install:

- 1. Open Chrome Web Store or Firefox Add-ons.**
- 2. Search for "React Developer Tools".**
- 3. Click 'Add to Chrome' or 'Add to Firefox'.**
- 4. Open your React app and inspect to view the 'Components' tab**