**WEEK-7**

**SINGLE PAGE APPLICATION FRAMEWORK-REACT**

**Superset ID: 6407550**

**11.ReactJS HOL**

**App.js**

import React, { Component } from 'react';

import CurrencyConvertor from './CurrencyConvertor';

import './App.css';

class App extends Component {

constructor() {

super();

this.state = {

count: 0

};

}

// Called when Increment is clicked

handleIncrement = () => {

this.setState({ count: this.state.count + 1 });

this.sayHello();

};

// Additional method called on increment

sayHello = () => {

alert("Hello! This is a static message.");

};

handleDecrement = () => {

this.setState({ count: this.state.count - 1 });

};

sayWelcome = (message) => {

alert(message);

};

handleSyntheticEvent = () => {

alert("I was clicked");

};

render() {

return (

<div className="container">

<h1>Event Handling in React</h1>

<div className="section">

<h2>Counter Example</h2>

<p className="count-display">Count: {this.state.count}</p>

<button className="btn" onClick={this.handleIncrement}>Increment</button>

<button className="btn" onClick={this.handleDecrement}>Decrement</button>

</div>

<div className="section">

<h2>Say Welcome Example</h2>

<button className="btn" onClick={() => this.sayWelcome("Welcome to React Events!")}>Say Welcome</button>

</div>

<div className="section">

<h2>Synthetic Event Example</h2>

<button className="btn" onClick={this.handleSyntheticEvent}>OnPress</button>

</div>

<div className="section">

<CurrencyConvertor />

</div>

</div>

);

}

}

export default App;

**CurrencyConvertor.js**

import React, { useState } from 'react';

const CurrencyConvertor = () => {

const [rupees, setRupees] = useState('');

const [euro, setEuro] = useState('');

const handleSubmit = () => {

const result = parseFloat(rupees) / 90; // example conversion

setEuro(result.toFixed(2));

};

return (

<div>

<h2>Currency Converter</h2>

<label>Enter amount in Rupees: </label>

<input

type="number"

value={rupees}

onChange={(e) => setRupees(e.target.value)}

placeholder="₹"

className="input-box"

/>

<button className="btn" onClick={handleSubmit}>Convert</button>

{euro && (

<p className="converted-text">{rupees} INR = {euro} EUR</p>

)}

</div>

);

};

export default CurrencyConvertor;

**App.css**

.container {

padding: 30px;

font-family: Arial, sans-serif;

}

h1 {

text-align: center;

color: #2c3e50;

}

.section {

margin: 20px 0;

padding: 15px;

border: 1px solid #ccc;

border-radius: 8px;

}

.count-display {

font-size: 20px;

margin-bottom: 10px;

}

.input-box {

padding: 8px;

margin: 10px 0;

width: 200px;

}

.converted-text {

font-weight: bold;

color: green;

margin-top: 10px;

}

.btn {

background-color: #3498db;

color: white;

padding: 10px 14px;

margin-right: 10px;

border: none;

border-radius: 4px;

cursor: pointer;

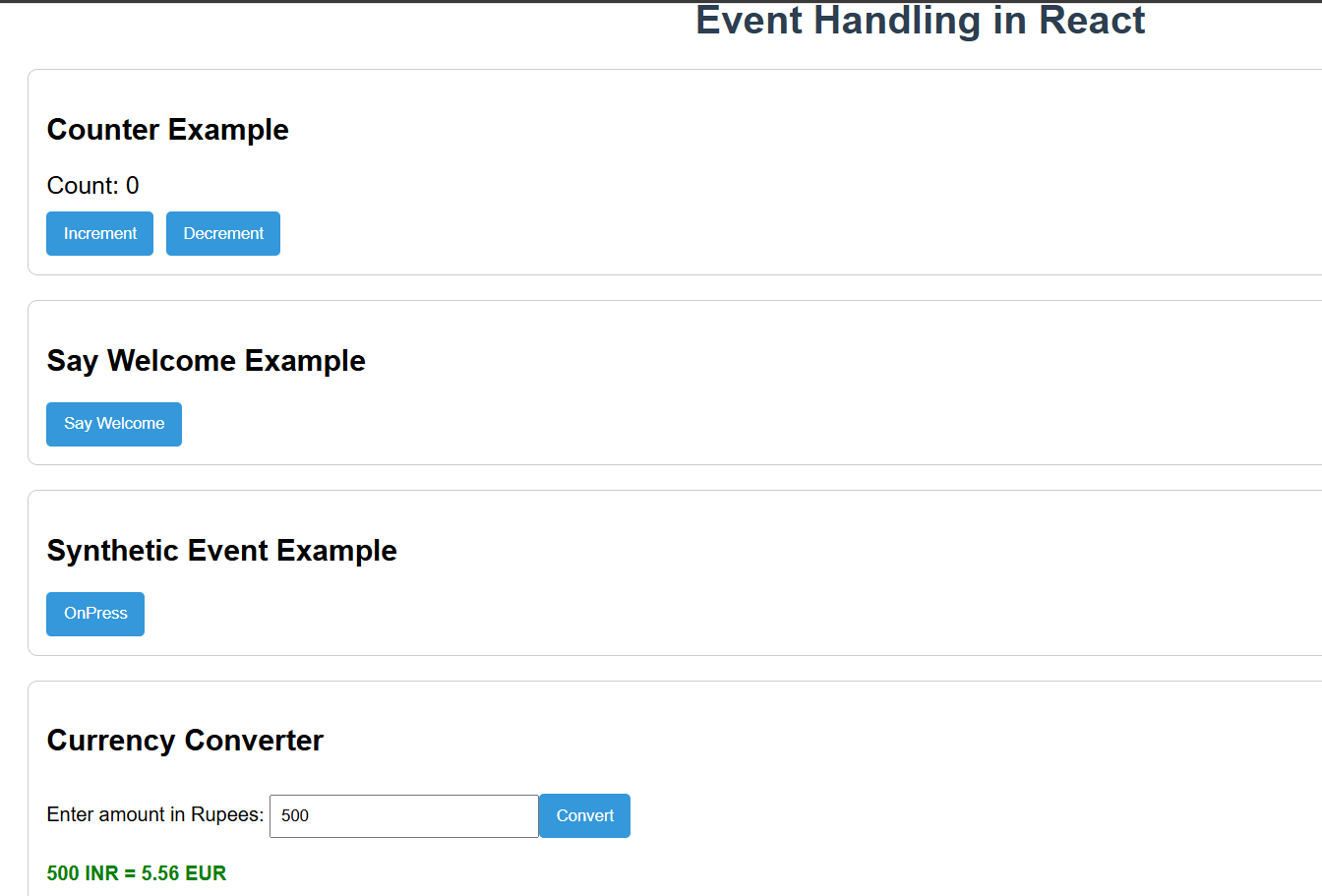
}

.btn:hover {

background-color: #2980b9;

}

**OUTPUT:**

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