WEEK-7

**11. ReactJS-HOL**

**App.js:**  
import React, { useState } from "react";

import "./App.css";

import CurrencyConverter from "./CurrencyConverter";

function App() {

  const [count, setCount] = useState(0);

  const [result, setResult] = useState("");

  const handleIncrement = () => {

    increment();

    sayHello();

  };

  const increment = () => {

    setCount(count + 1);

  };

  const sayHello = () => {

    alert("Hello! Count is incremented");

  };

  const decrement = () => {

    setCount(count - 1);

  };

  const sayMessage = (msg) => {

    alert(msg);

  };

  const handleClick = (event) => {

    alert("I was clicked");

  };

  return (

    <div className="App">

      <h1>React Event Examples</h1>

      <h2>Count: {count}</h2>

      <button onClick={handleIncrement}>Increment</button>

      <button onClick={decrement}>Decrement</button>

      <br />

      <button onClick={() => sayMessage("welcome")}>Say Welcome</button>

      <button onClick={handleClick}>Click on me</button>

      <CurrencyConverter setAppResult={setResult} />

    </div>

  );

}

export default App;

**CurrencyConverter.js:**

import React, { useState } from "react";

function CurrencyConverter({ setAppResult }) {

  const [amount, setAmount] = useState("");

  const [currency, setCurrency] = useState("");

  const [result, setResult] = useState("");

  const handleSubmit = (e) => {

    e.preventDefault();

    if (currency.toLowerCase() === "euro") {

      const converted = parseFloat(amount) / 90;

      const message = `Converted to Euro amount is €${converted.toFixed(2)}`;

      setResult(message);

      setAppResult(message);

      alert(message);

    } else {

      const message = "Only Euro supported";

      setResult(message);

      alert(message);

    }

  };

  return (

    <div>

      <h2>Currency Convertor!!!</h2>

      <form onSubmit={handleSubmit}>

        <label>Amount:</label>

        <input

          type="number"

          value={amount}

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

        />

        <br />

        <label>Currency:</label>

        <input

          type="text"

          value={currency}

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

        />

        <br />

        <button type="submit">Submit</button>

      </form>

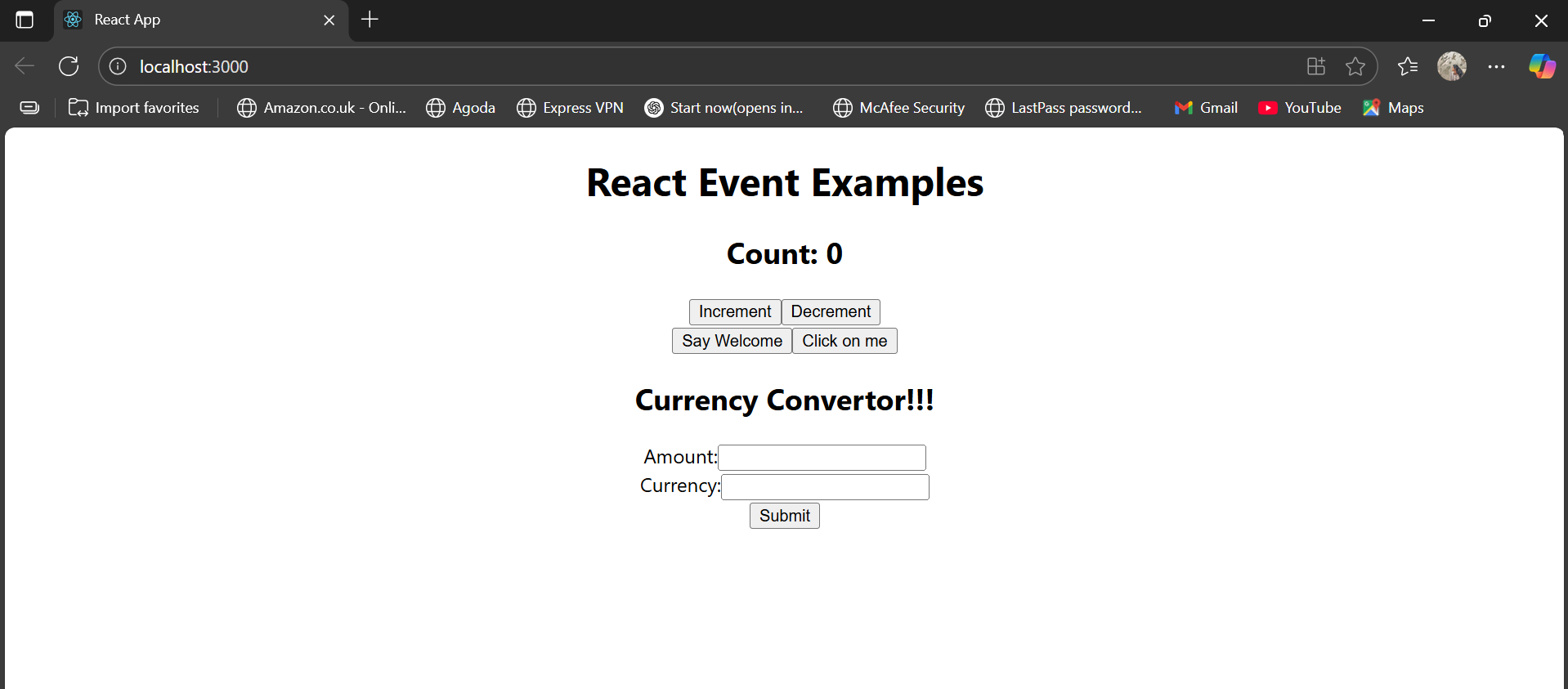
      <p>{result}</p>

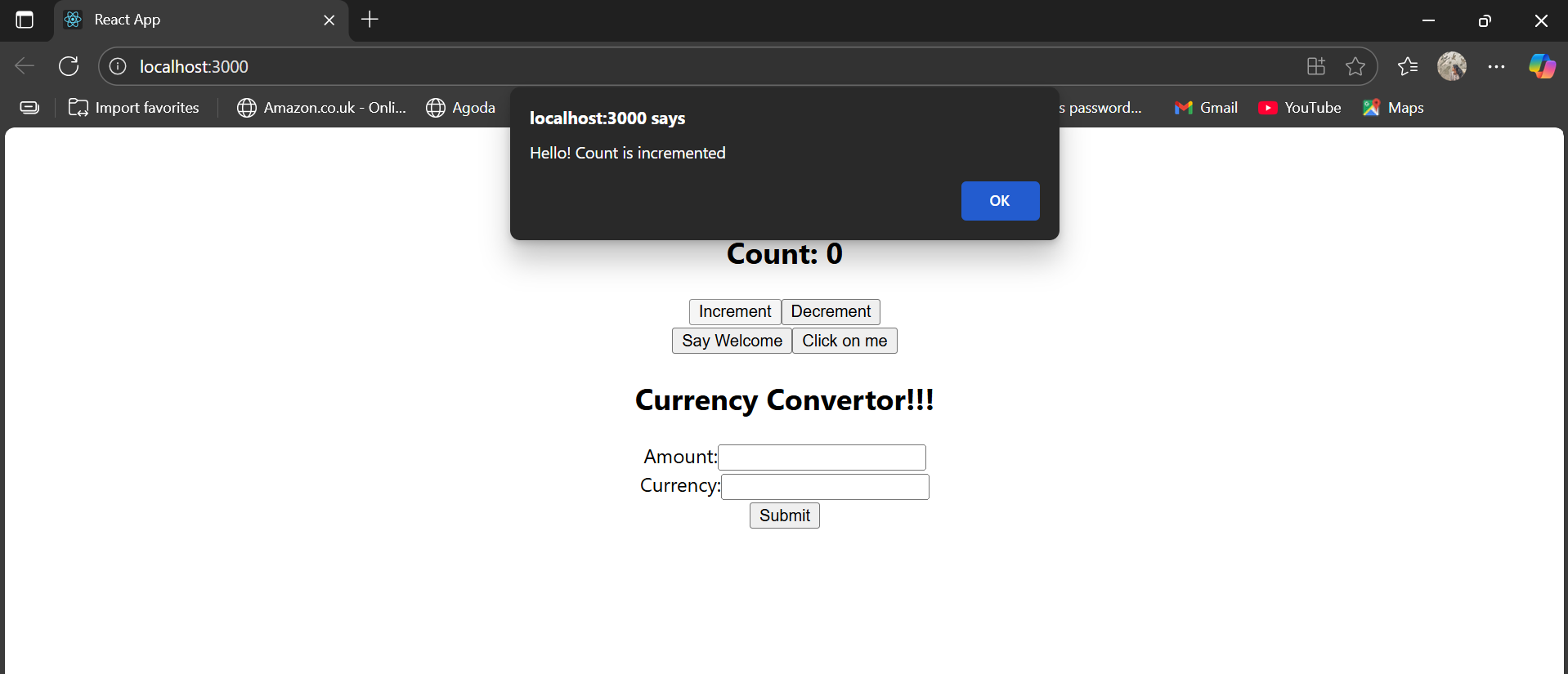
    </div>

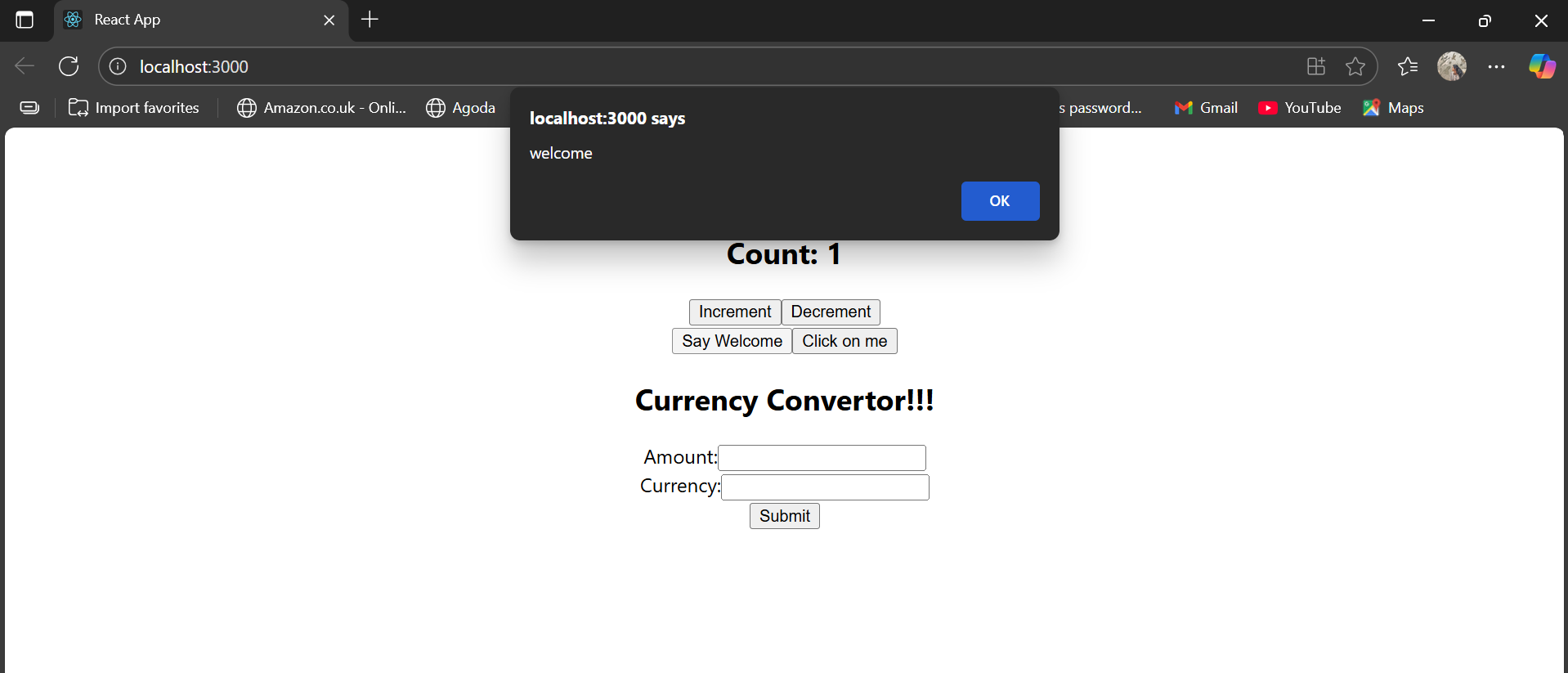
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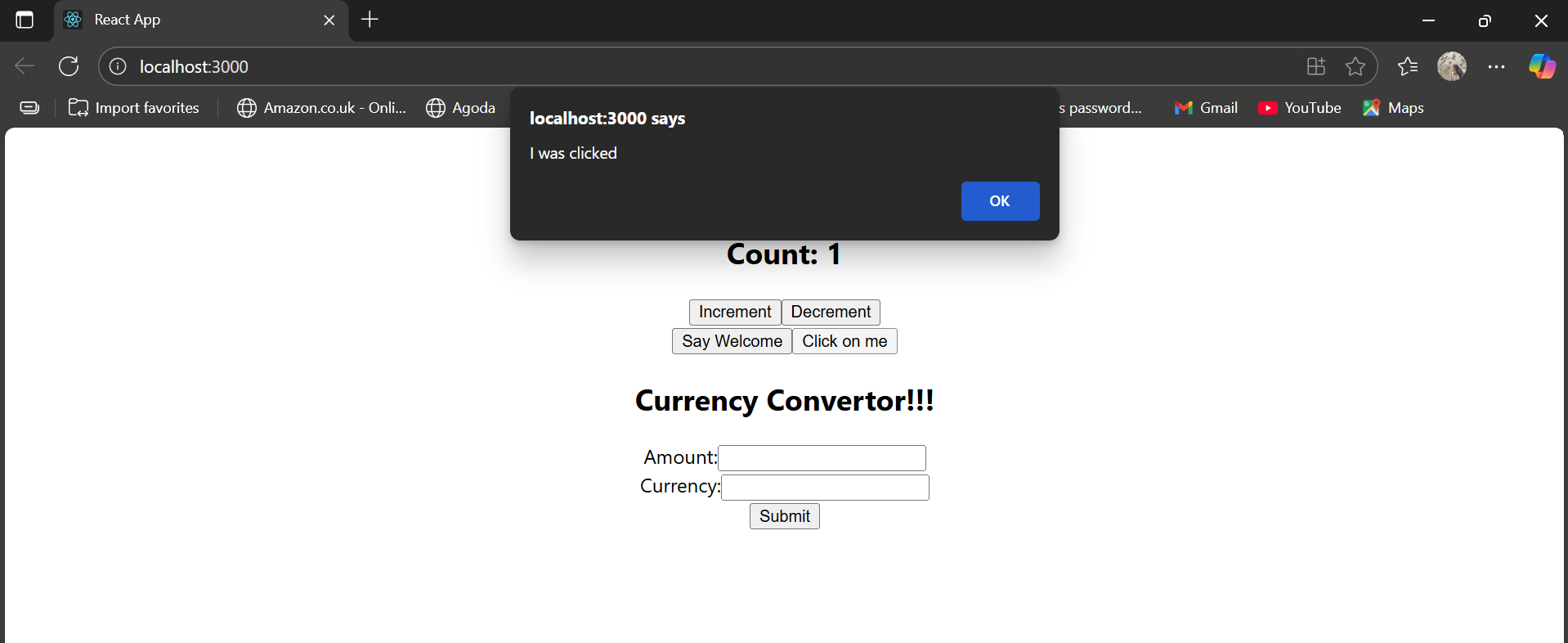
}

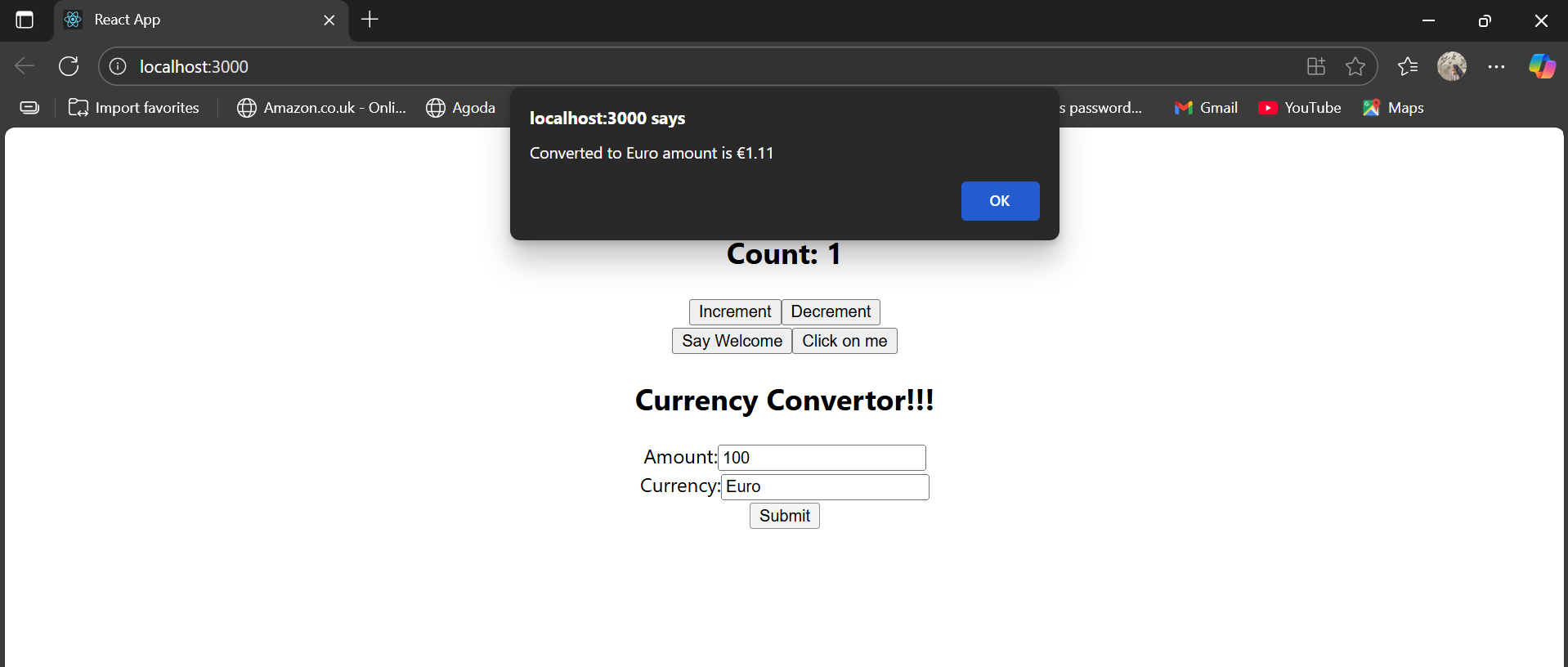
export default CurrencyConverter;

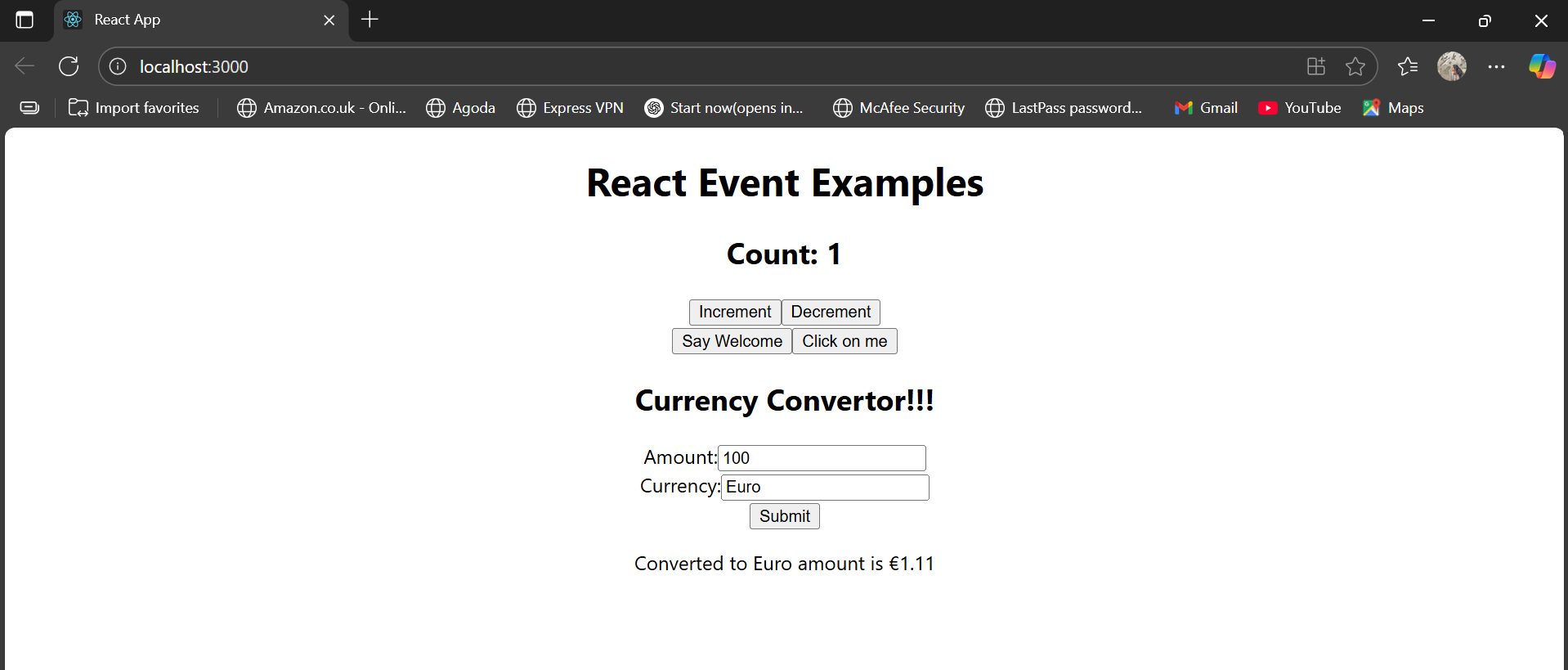
**Output:  
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