**Lab Assignment 5**

**Create an App using React with Components, Rendering, and Data**

**Sharing**

**App.js**

import React from 'react';

import './App.css'; // Add your own styling here

import AgeCalculator from './AgeCalculator';

function App() {

  return (

    <div className="app">

      <AgeCalculator />

    </div>

  );

}

export default App;

**Components used:**

**AgeCalculator.js**

// AgeCalculator.js

import React, { useState } from 'react';

import Display from './Display';

import './styles.css';

const AgeCalculator = () => {

  const [birthday, setBirthday] = useState('');

  const [age, setAge] = useState('');

  const calculateAge = () => {

    const birthDate = new Date(birthday);

    const currentDate = new Date();

    const calculatedAge = Math.floor((currentDate - birthDate) / (365.25 \* 24 \* 60 \* 60 \* 1000));

    setAge(calculatedAge);

  };

  return (

    <div className="age-calculator">

      <h1>Age Calculator</h1>

      <label htmlFor="birthday">Enter your birthday:</label>

      <input

        type="date"

        id="birthday"

        value={birthday}

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

      />

      <button onClick={calculateAge}>Calculate Age</button>

      <Display age={age} />

    </div>

  );

};

export default AgeCalculator;

**Display.js**

// Display.js

import React from 'react';

const Display = ({ age }) => {

  return (

    <div className="display">

      {age !== '' && <p>Your age is: {age} years</p>}

    </div>

  );

};

export default Display;

**Output screenshots:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a calendar

Description automatically generated**

**A screenshot of a computer

Description automatically generated**