WEB TECH LAB SANVI SHUKLA 22CS3054

Q1.

```
import React, { useState } from 'react';
import './App.css'; // Import a separate CSS file for styling (create this file in the
same directory as your component)
      <label htmlFor="amount" className="label-text">
```

```
.currency-converter-container {
   max-width: 400px;
   margin: auto;
   padding: 20px;
   border: 1px solid #ccc;
   border-radius: 5px;
   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
.converter-title {
   text-align: center;
   color: #333;
}
.input-container {
   margin-bottom: 15px;
}
.label-text {
   display: block;
```

```
margin-bottom: 5px;
```

Currency Converter

Enter Amount in USD:

30

Convert

Converted Amount: 25.50 EUR

Q2.

```
import React, { useState, useRef } from 'react';
import './App.css';

function App() {
  const [time, setTime] = useState(0);
  const [isRunning, setIsRunning] = useState(false);
  const timerRef = useRef();

const startTimer = () => {
  if (!isRunning) {
    timerRef.current = setInterval(() => {
        setTime((prevTime) => prevTime + 1);
      }, 1000);
      setIsRunning(true);
  }
};

const pauseTimer = () => {
    clearInterval(timerRef.current);
    setIsRunning(false);
```

```
export default App;
```

```
.stopwatch-container {
  max-width: 300px;
  margin: auto;
  text-align: center;
}
```

```
.timer {
  font-size: 2em;
  margin: 10px 0;
}
.controls button {
  font-size: 1em;
  margin: 5px;
  padding: 10px;
  cursor: pointer;
}
.controls button:disabled {
  cursor: not-allowed;
}
```

Stopwatch

80:00

Start

Pause

Reset

Q3.

```
.stopwatch-container {
  max-width: 300px;
  margin: auto;
  text-align: center;
}
.timer {
```

```
font-size: 2em;
margin: 10px 0;
}

.controls button {
  font-size: 1em;
   margin: 5px;
  padding: 10px;
   cursor: pointer;
}

.controls button:disabled {
   cursor: not-allowed;
}
```

```
import React, { useState, useRef } from 'react';
import './App.css';
function App() {
```

```
// src/App.js
import React, { useState, useEffect } from 'react';
import { auth, firestore } from './firebase';
import Conversations from './components/Conversations';
import Chat from './components/Chat';
import { useCollectionData } from 'react-firebase-hooks/firestore';

const App = () => {
  const [user, setUser] = useState(null);
  const [selectedConversation, setSelectedConversation] = useState(null);
```

```
ton onClick={() => auth.signInAnonymously()}>Sign In Anonymously</button>
export default App;
```

```
// src/firebase.js
import firebase from 'firebase/app';
```

```
import 'firebase/auth';
import 'firebase/firestore';

const firebaseConfig = {
    // Your Firebase Config Object
};

firebase.initializeApp(firebaseConfig);

export const auth = firebase.auth();
export const firestore = firebase.firestore();
```

```
// src/components/Conversations.js
import React from 'react';

const Conversations = ({ conversations, onSelectConversation }) => {
```

Conversations Friend 1 Friend 2 Chat Friend 1 What are you doing ? You - 3/5/2024, 5:24:18 PM Hello You - 3/5/2024, 5:24:06 PM Hello! Friend 1 - 3/5/2024, 5:23:57 PM Hi there! You - 3/5/2024, 5:23:57 PM Send