Name: Himanshu Kaushal

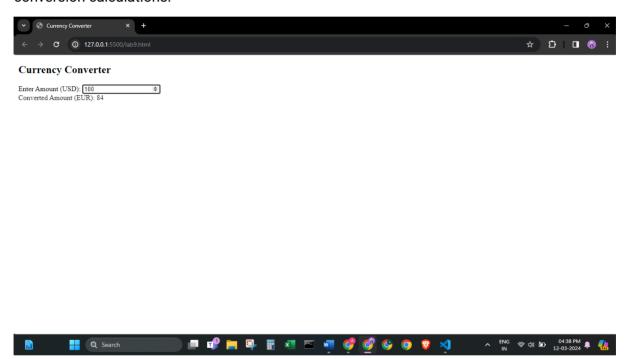
Branch: CSE

Roll No.: 22CS3027

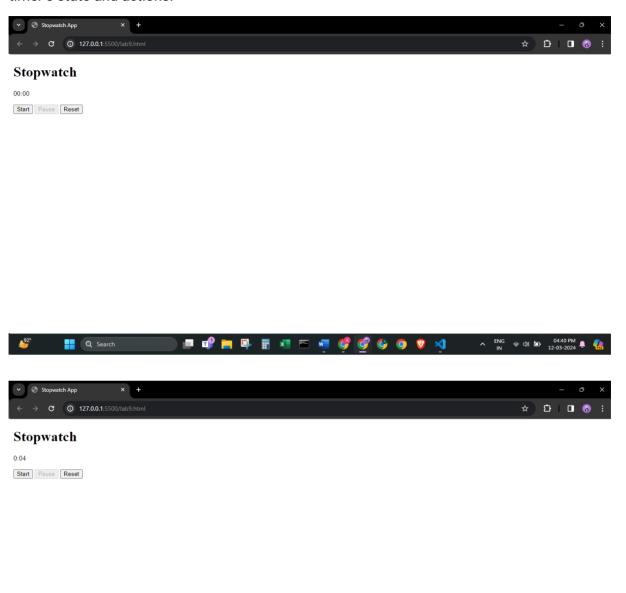
Subject: Web Technology Lab

Lab 9 assignment

T1. Develop a currency converter application that allows users to input an amount in one currency and convert it to another. For the sake of this challenge, you can use a hard-coded exchange rate. Take advantage of React state and event handlers to manage the input and conversion calculations.



T2. Create a stopwatch application through which users can start, pause and reset the timer. Use React state, event handlers and the setTimeout or setInterval functions to manage the timer's state and actions.





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                                             card.png

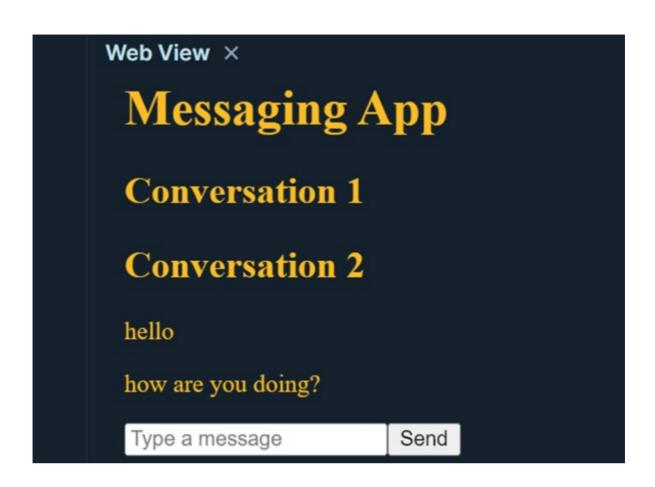
E draft 1 project.txt
                                                                                                                                                                                                                                                                                                                    this.updateTime();

    explore.html

                                                     lab1.htm
                                                                                                                                                                                                                                                                                        pauseTimer() {
   if (this.running) {
     this.running = false;
     clearInterval(this.timerInterval);
}
                                                     lab4.htm
                                                                                                                                                                                                                                                                                          resetTimer() {
  this.running = false;
  clearInterval(this.timerInterval);
  this.currentTime = 0;
                                                                                                                                                                                                                                                                                              pupdateTime() {
    this.timerInterval = setInterval(() => {
        if (this.running) {
            this.currentTime = Date.now() - this.startTime;
        }
}
                                             {} package-lock.json
                                                   product1.html
                                             pxfuel (2).jpg
                                                 JS script.js

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T3. Develop a messaging application that allows users to send and receive messages in real time. The application should display a list of conversations and allow the user to select a specific conversation to view its messages. The messages should be displayed in a chat interface with the most recent message at the top. Users should be able to send new messages and receive push notifications.



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                                            ♦ lab9.html > {} "lab9.html" > ♦ template > ♦ div#app > ♦ div > ♦ div > ♦ h2

    ∨ WEB DEVELOPMENT
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    o auction.html

                                                        export default {
    methods: {
                                                              },
selectConversation(index) {
  this.selectedConversationIndex = index;
                                                             },
sendMessage() {
  const messageRef = firebase.database().ref(`/conversations/${this.selectedConversation.key}/messages`);
messageRef.push{{
  sender: this.user,
  text: this.newMessage
          c4.webp
         c5.jpeg card.png
                                                                 });
this.newMessage = '';
           explore_draft.html
           HTML and CSS Funda...
                                                            },
created() {
firebase.initializeApp(firebaseConfig);
firebase.auth().onAuthStateChanged(user -> {
    ibic.user = user;
                                                              firebase.autn().ondurnstateCnanged(user => {
    this.user = user;
    if (user) {
      const conversationsRef = firebase.database().ref('/conversations');
      conversationsRef.on('value', snapshot => {
         this.conversations = snapshot.val();
    }
}
         no.py
{} package-lock.json
        > OUTLINE
                                                                                                                                                                                       (Q) Ln 11, Col 52 Spaces: 4 UTF-8 CRLF HTML ⊘ Port : 5500
                                                          ## Q | RNG | RNG | 0452 PM | 12-03-2024 | 14-05
```