### WEBTECHNOLOGY

#### LAB9

## **ASSIGNMENT**

**LOKESH** 

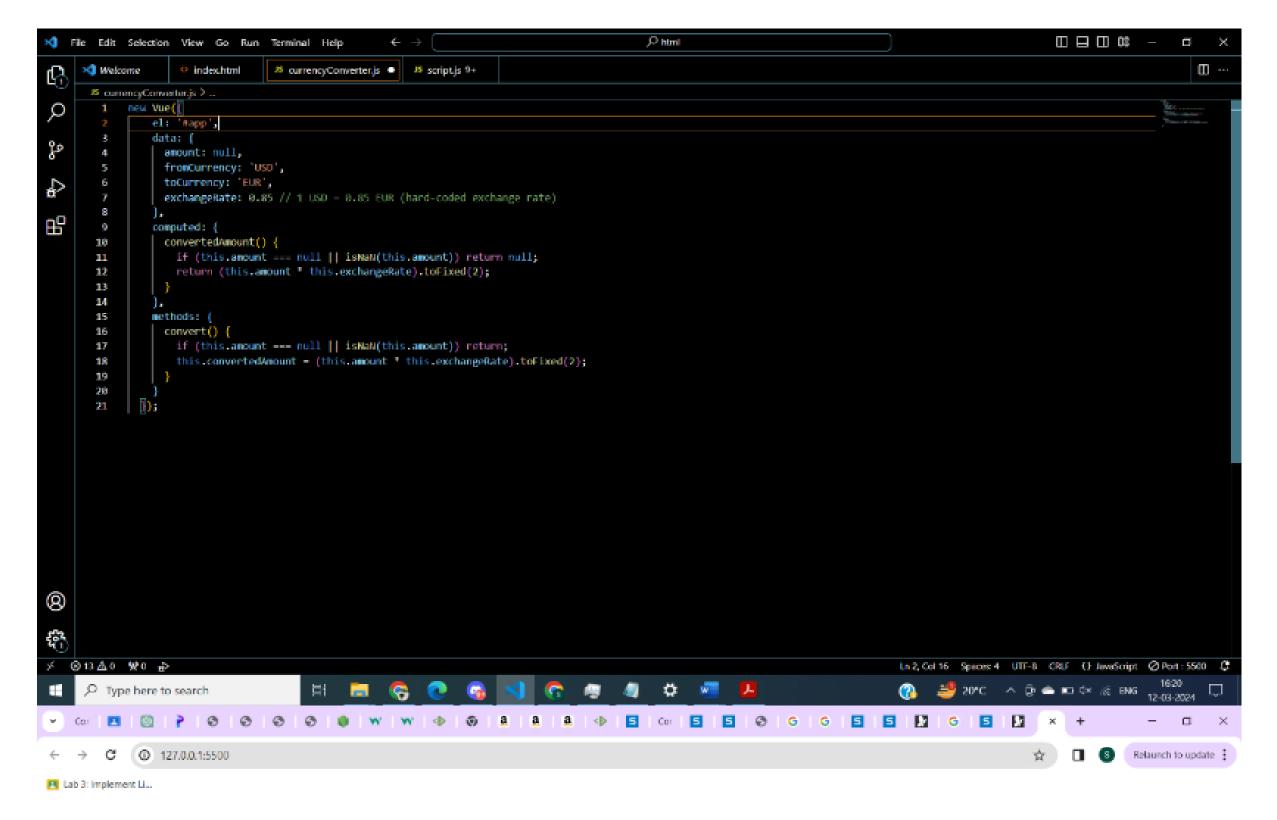
22CS3036

### CSE

Q1 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.

Note: Everything has to be done using Vue.js

```
O index.html 2 😂 html
        <html lang="en">
          <meta charset="utf-8">
          <meta name="viewport" content="width=device-width, initial-scale=1.0">
          <title>Currency Converter</title>
    8
         <br/>body>
          <div id="app">
            <hi><hi>Currency Converter</hi>
   19
   12
              <label for="amount">Amount:</label>
   13
              <input type="number" id="amount" v-model="amount">
   14
   15
              <label for="fromCurrency">From:</label>
<select id="fromCurrency" v-model="fromCurrency">
   16
               coption value="USD">USD:/option>
               <option value="EUR">EUR</option>
   19
               <!-- Add more currency options if needed -->
   340
   23
              <label for="toCurrency">To:</label>
   24
              <select id="toCurrency" v-model="toCurrency">
               koption value="USD">USD</option>
               <option value="EUR">EUR</option>
   28
               <!-- Add more currency options if needed -->
   30
            </div>
            <button @click="convert">Convert</button>
   30
             Converted Amount: {{ convertedAmount }}
   33
   34
   35
          <script src="https://cdn.jsdelivr.net/npm/vue@2"></script>
          cscript src="currencyConverter.js">c/script>
⊗ 13 ∆ 0 120 ⊕
                                                                                                                                      Ln 38, Col 8 Spaces: 4 UTF-8 CRLF HTML @ Port : 5500 C
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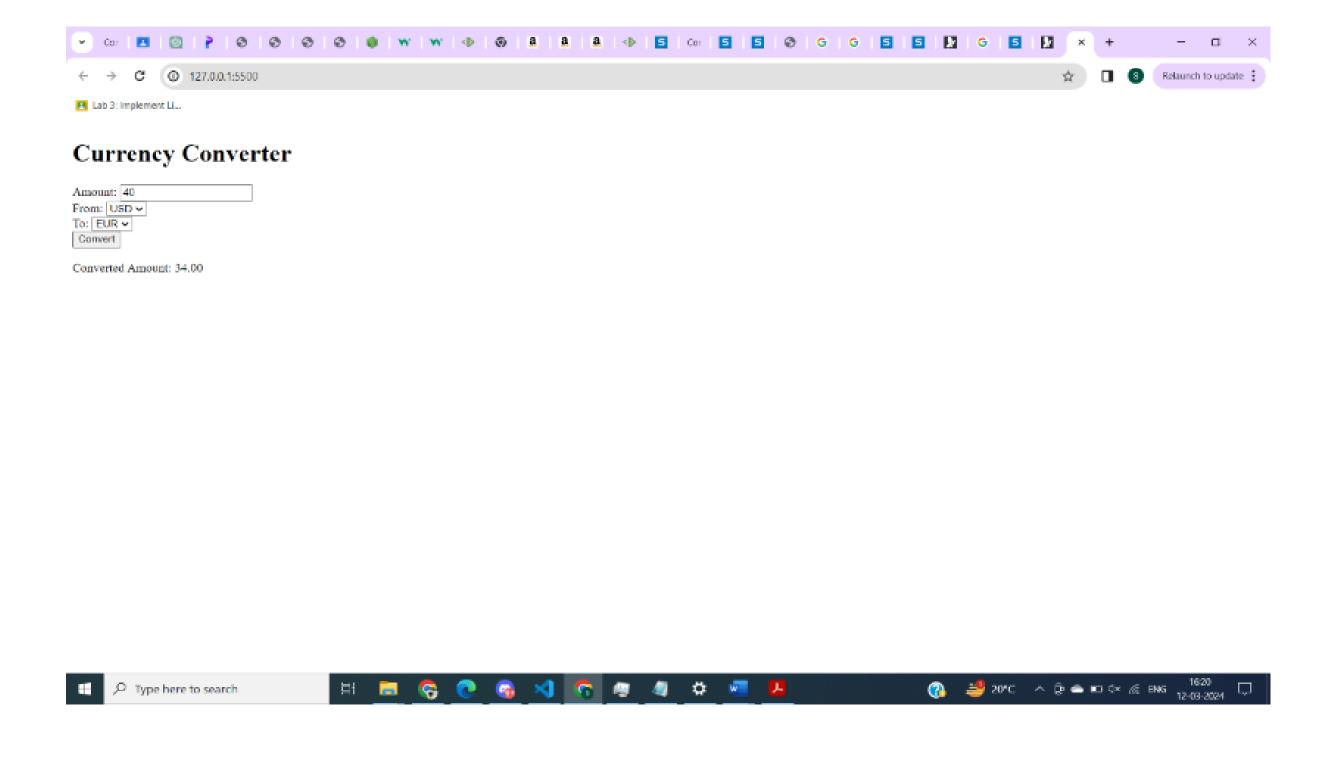


#### **Currency Converter**

Amount: 45
From: USD >
To: EUR >

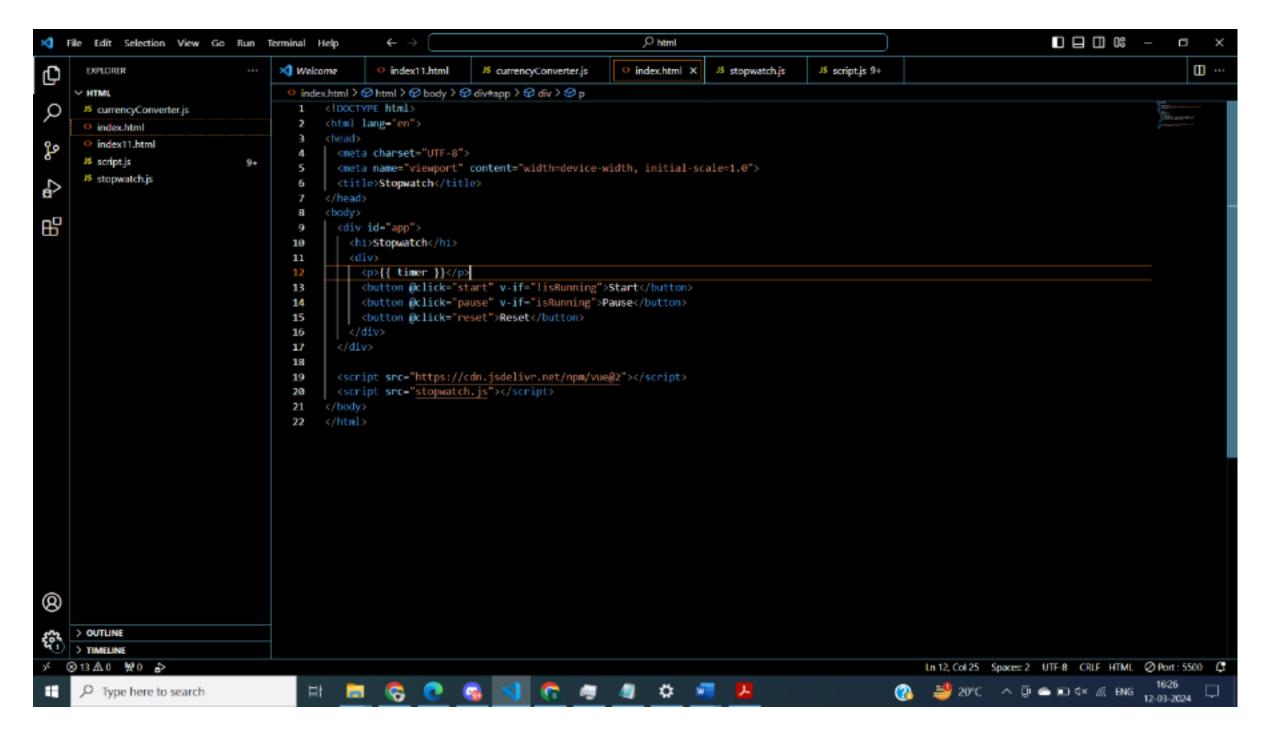
Converted Amount: 38.25

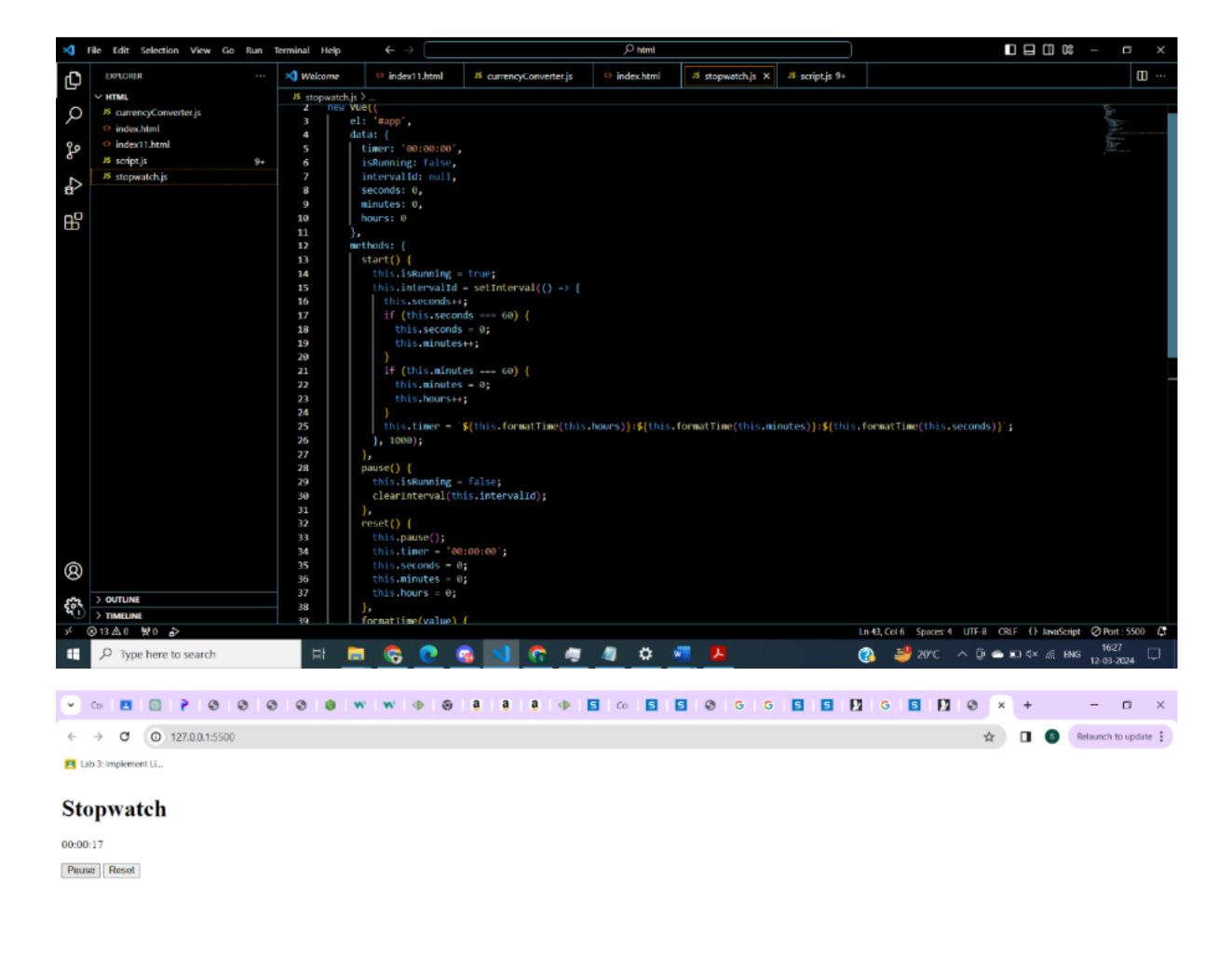




Q2 T2. Create a stopwatch application through which users can start, pause and reset the timer. Use React state, event handlers and the set Timeout or setInterval functions to manage the timer's state and actions.

Note: Everything has to be done using Vue.js

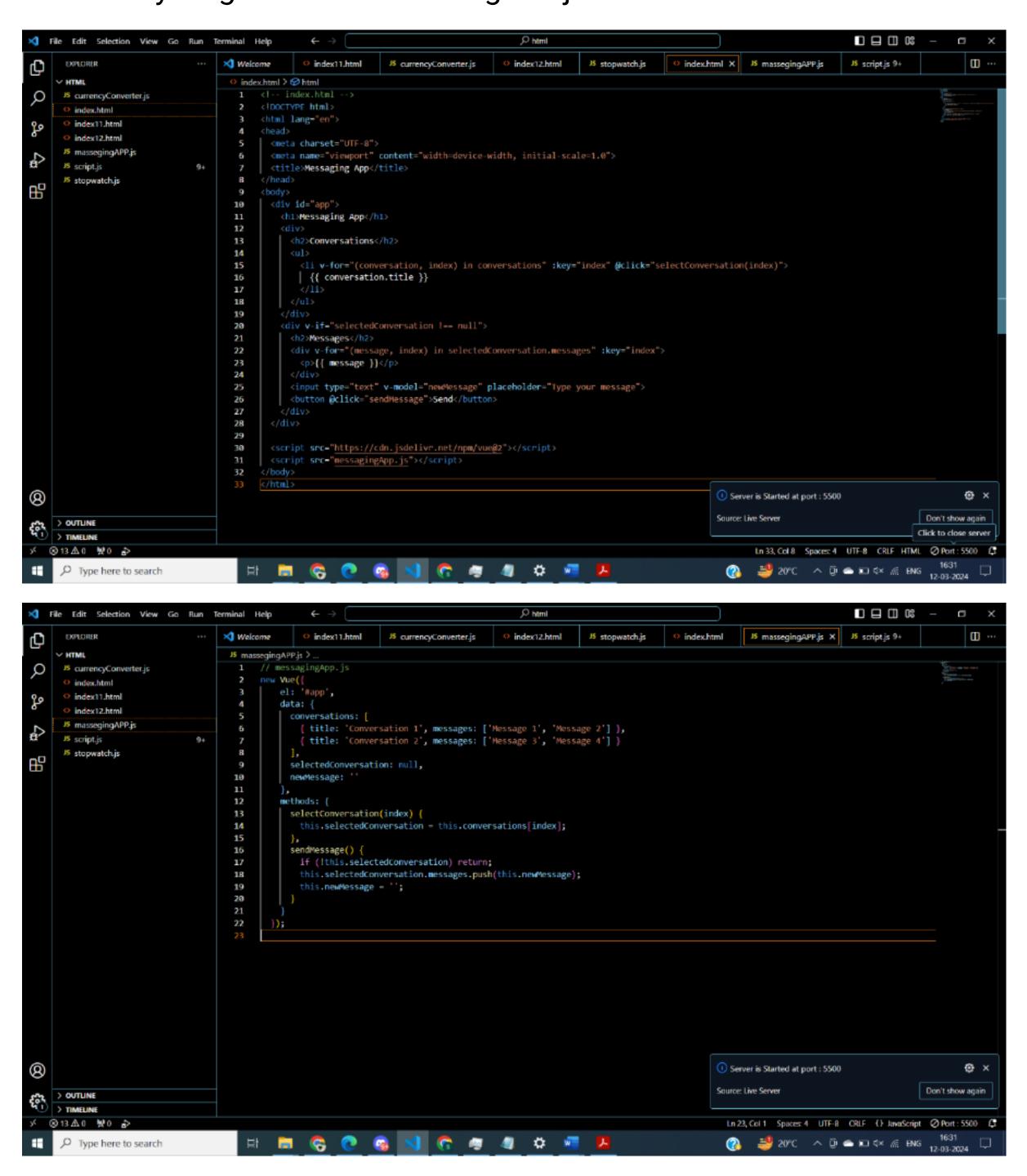


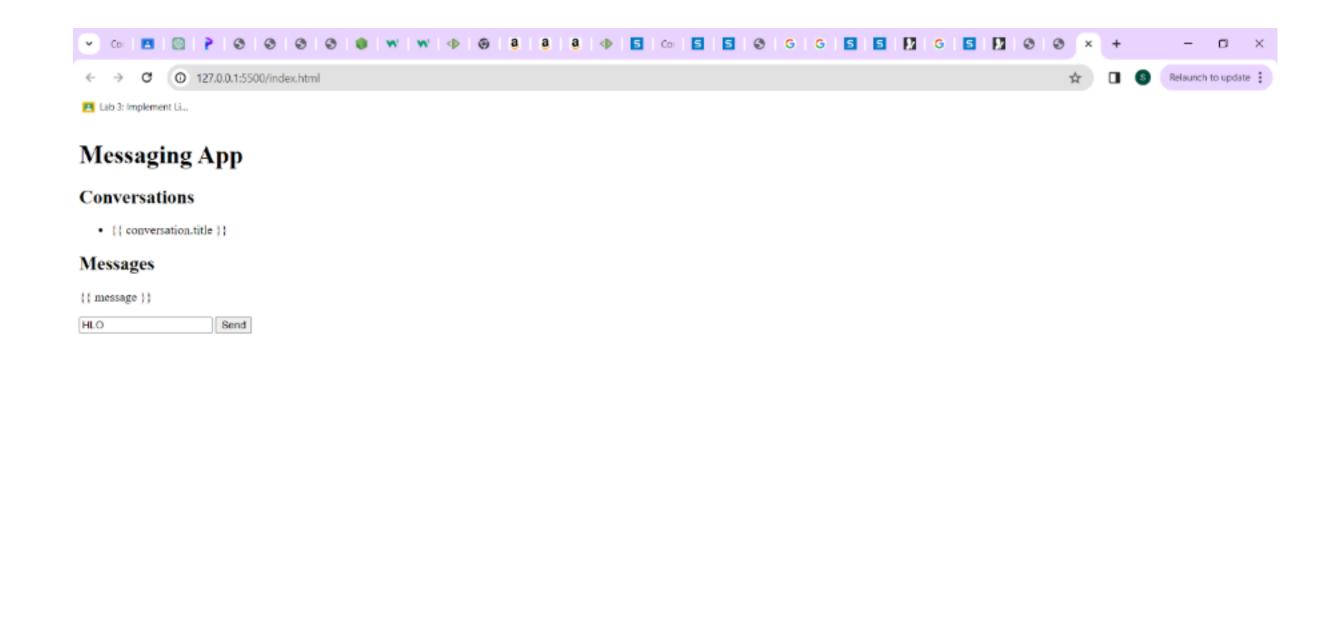




Q2 T3. Develop a messaging application that allows users to send and receive messages in real time. The application should display a list of conversations and allow the user to select a specific conversation to view its messages. The messages should be displayed in a chat interface with the most recent message at the top. Users should be able to send new messages and receive push notifications.

# Note: Everything has to be done using Vue.js





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