NAME-VIVEK ANAND
CLASS-22CS3066
BRANCH-CSE

T1

```
<template>
 <div id="app">
   <h1>Currency Converter</h1>
   <input type="number" v-model="amount" placeholder="Enter amount"
/>
   <select v-model="fromCurrency">
     <option value="USD">USD</option>
     <option value="EUR">EUR</option>
   </select>
   <select v-model="toCurrency">
     <option value="USD">USD</option>
     <option value="EUR">EUR</option>
   </select>
   <button @click="convertCurrency">Convert</button>
   <p>{{ convertedAmount }}</p>
 </div>
</template>

<script>
export default {
 data() {
   return {
     amount: null,
     fromCurrency: 'USD',
     toCurrency: 'EUR',
     exchangeRate: {
```

```
      USD: { EUR: 0.85 },
      EUR: { USD: 1.18 },
    },
    convertedAmount: null,
  };
},
methods: {
  convertCurrency() {
    this.convertedAmount = this.amount *
this.exchangeRate[this.fromCurrency][this.toCurrency];
  },
},
};
</script>
```

Web View ✕

Currency Converter

| 100 | USD ⌄ | EUR ⌄ | Convert |

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T2

```
    <button @click="startStopwatch">Start</button>
    <button @click="pauseStopwatch">Pause</button>
    <button @click="resetStopwatch">Reset</button>
    <p>{{ time }}</p>
  </div>
</template>

<script>
export default {
  data() {
    return {
      time: 0,
      intervalId: null,
    };
  },
  methods: {
    startStopwatch() {
      this.intervalId = setInterval(() => {
        this.time++;
      }, 1000);
    },
    pauseStopwatch() {
      clearInterval(this.intervalId);
    },
    resetStopwatch() {
      this.time = 0;
      clearInterval(this.intervalId);
```

```
<template>
  <div id="app">
    <h1>Stopwatch</h1>
```

```
      },
    },
  };
</script>
```

Web View ✕

Stopwatch

| Start | Pause | Reset |

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T3.

```
<template>
  <div id="app">
    <h1>Messaging App</h1>
  <div v-for="conversation in conversations" :key="conversation.id">
      <h2 @click="selectConversation(conversation.id)">{{
```

```
conversation.name }}</h2>
    </div>
    <div v-if="selectedConversation">
      <div v-for="message in selectedConversation.messages"
:key="message.id">
```

```
        <p>{{ message.text }}</p>
      </div>
    <input type="text" v-model="newMessage" placeholder="Type a
message" />
      <button @click="sendMessage">Send</button>
    </div>
  </div>
</template>

<script>
export default {
  data() {
    return {
      conversations: [
        { id: 1, name: 'Conversation 1', messages: [] },
        { id: 2, name: 'Conversation 2', messages: [] },
      ],
      selectedConversation: null,
      newMessage: '',
    };
  },
  methods: {
    selectConversation(id) {
      this.selectedConversation = this.conversations.find(c => c.id
=== id);
    },
```

```
    sendMessage() {
      if (this.newMessage.trim() !== '') {
        this.selectedConversation.messages.push({ id: Date.now(),
text: this.newMessage });
          this.newMessage = '';
      }
    },
  },
};
</script>
```

Messaging App

Conversation 1

Conversation 2

HI

HELLO

[Type a message] [Send]