**Aimen nadeem**

**Task 12**

**Web development:**

**HTML:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <link rel="stylesheet" href="cup.css" />

    <title>Drink Water</title>

  </head>

  <body>

    <h1>Drink Water</h1>

    <h3>Goal: 2 Liters</h3>

    <div class="cup">

      <div class="remained" id="remained">

        <span id="liters"></span>

        <small>Remained</small>

      </div>

      <div class="percentage" id="percentage"></div>

    </div>

    <p class="text">Select how many glasses of water that you have drank</p>

    <div class="cups">

      <div class="cup cup-small">250 ml</div>

      <div class="cup cup-small">250 ml</div>

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      <div class="cup cup-small">250 ml</div>

    </div>

    <script src="script.js"></script>

  </body>

</html>

**CSS CODE:**

@import url('https://fonts.googleapis.com/css?family=Montserrat:400,600&display=swap');

:root {

  --border-color: #144fc6;

  --fill-color: #6ab3f8;

}

\* {

  box-sizing: border-box;

}

body {

  background-color: #3494e4;

  color: #fff;

  font-family: 'Montserrat', sans-serif;

  display: flex;

  flex-direction: column;

  align-items: center;

  margin-bottom: 40px;

}

h1 {

  margin: 10px 0 0;

}

h3 {

  font-weight: 400;

  margin: 10px 0;

}

.cup {

  background-color: #fff;

  border: 4px solid var(--border-color);

  color: var(--border-color);

  border-radius: 0 0 40px 40px;

  height: 330px;

  width: 150px;

  margin: 30px 0;

  display: flex;

  flex-direction: column;

  overflow: hidden;

}

.cup.cup-small {

  height: 95px;

  width: 50px;

  border-radius: 0 0 15px 15px;

  background-color: rgba(255, 255, 255, 0.9);

  cursor: pointer;

  font-size: 14px;

  align-items: center;

  justify-content: center;

  text-align: center;

  margin: 5px;

  transition: 0.3s ease;

}

.cup.cup-small.full {

  background-color: var(--fill-color);

  color: #fff;

}

.cups {

  display: flex;

  flex-wrap: wrap;

  align-items: center;

  justify-content: center;

  width: 280px;

}

.remained {

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  text-align: center;

  flex: 1;

  transition: 0.3s ease;

}

.remained span {

  font-size: 20px;

  font-weight: bold;

}

.remained small {

  font-size: 12px;

}

.percentage {

  background-color: var(--fill-color);

  display: flex;

  align-items: center;

  justify-content: center;

  font-weight: bold;

  font-size: 30px;

  height: 0;

  transition: 0.3s ease;

}

.text {

  text-align: center;

  margin: 0 0 5px;

}

**JS CODE:**

const smallCups = document.querySelectorAll('.cup-small');

const liters = document.getElementById('liters');

const percentage = document.getElementById('percentage');

const remained = document.getElementById('remained');

updateBigCup();

smallCups.forEach((cup, idx) => {

  cup.addEventListener('click', () => highlightCups(idx));

});

function highlightCups(idx) {

  if (

    smallCups[idx].classList.contains('full') &&

    !smallCups[idx].nextElementSibling?.classList.contains('full')

  ) {

    idx--;

  }

  smallCups.forEach((cup, idx2) => {

    if (idx2 <= idx) {

      cup.classList.add('full');

    } else {

      cup.classList.remove('full');

    }

  });

  updateBigCup();

}

function updateBigCup() {

  const fullCups = document.querySelectorAll('.cup-small.full').length;

  const totalCups = smallCups.length;

  if (fullCups === 0) {

    percentage.style.height = 0;

    percentage.innerText = '';

  } else {

    percentage.style.height = `${(fullCups / totalCups) \* 330}px`;

    percentage.innerText = `${(fullCups / totalCups) \* 100}%`;

  }

  if (fullCups === totalCups) {

    remained.style.visibility = 'hidden';

    remained.style.height = 0;

  } else {

    remained.style.visibility = 'visible';

    liters.innerText = `${2 - (250 \* fullCups) / 1000}L`;

  }

}

