**FRONTEND CODE**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Bus Ticket Resale</title>

  <style>

    body {

      margin: 0;

      font-family: 'Segoe UI', sans-serif;

      background: linear-gradient(to right, #fceabb, #f8b500);

      padding: 20px;

    }

    .container {

      max-width: 600px;

      margin: auto;

      background: white;

      border-radius: 20px;

      padding: 30px;

      box-shadow: 0 8px 20px rgba(0,0,0,0.2);

    }

    h1, h2 {

      text-align: center;

      color: #333;

    }

    input, select {

      width: 100%;

      padding: 12px;

      margin: 10px 0;

      border: 2px solid #ccc;

      border-radius: 10px;

      font-size: 16px;

    }

    button {

      padding: 12px 20px;

      width: 100%;

      background: linear-gradient(to right, #00c6ff, #0072ff);

      color: white;

      font-weight: bold;

      font-size: 16px;

      border: none;

      border-radius: 10px;

      cursor: pointer;

      transition: 0.3s;

    }

    button:hover {

      background: linear-gradient(to right, #f83600, #f9d423);

    }

    .hidden {

      display: none;

    }

    .option-btns {

      display: flex;

      gap: 10px;

    }

    .option-btns button {

      flex: 1;

    }

    .ticket {

      padding: 15px;

      border: 2px dashed #ffa500;

      margin: 10px 0;

      border-radius: 10px;

      background: #fff7e6;

    }

    .upi-box {

      background: #e6ffe6;

      padding: 10px;

      border: 1px solid green;

      margin-top: 10px;

    }

    .back-btn {

      background: #ccc;

      margin-top: 10px;

    }

  </style>

</head>

<body>

  <div id="signupPage" class="container">

    <h1>Sign Up</h1>

    <input type="text" id="signupUsername" placeholder="Create Username">

    <input type="password" id="signupPassword" placeholder="Create Password">

    <button onclick="signup()">Create Account</button>

    <p style="text-align:center; margin-top: 10px;">Already have an account? <a href="#" onclick="showLogin()">Login here</a></p>

  </div>

  <div id="loginPage" class="container hidden">

    <h1>Login</h1>

    <input type="text" id="loginUsername" placeholder="Username">

    <input type="password" id="loginPassword" placeholder="Password">

    <button onclick="login()">Login</button>

    <p style="text-align:center; margin-top: 10px;">Don't have an account? <a href="#" onclick="showSignup()">Sign up here</a></p>

  </div>

  <div id="categoryPage" class="container hidden">

    <h2>Select Ticket Type</h2>

    <div class="option-btns">

      <button onclick="selectCategory('RTC')">RTC</button>

      <button onclick="selectCategory('Private')">Private Travels</button>

    </div>

  </div>

  <div id="actionPage" class="container hidden">

    <h2 id="selectedCategoryText"></h2>

    <div class="option-btns">

      <button onclick="goToSell()">Sell Ticket</button>

      <button onclick="goToBuy()">Buy Ticket</button>

    </div>

    <button class="back-btn" onclick="backToCategory()">⬅ Back</button>

  </div>

  <div id="sellPage" class="container hidden">

    <h2>Sell Your Ticket</h2>

    <input type="text" id="ticketNo" placeholder="Ticket Number">

    <input type="text" id="busNo" placeholder="Bus Number">

    <input type="text" id="route" placeholder="From - To">

    <input type="number" id="price" placeholder="Price ₹">

    <input type="text" id="upiId" placeholder="Your UPI ID">

    <button onclick="postTicket()">Post Ticket</button>

    <button class="back-btn" onclick="backToAction()">⬅ Back</button>

  </div>

  <div id="buyPage" class="container hidden">

    <h2>Available Tickets</h2>

    <div id="ticketsList"></div>

    <button class="back-btn" onclick="backToAction()">⬅ Back</button>

  </div>

  <script>

    let users = {};

    let currentUser = '';

    let selectedCategory = '';

    let tickets = [];

    function showLogin() {

      document.getElementById("signupPage").classList.add("hidden");

      document.getElementById("loginPage").classList.remove("hidden");

    }

    function showSignup() {

      document.getElementById("loginPage").classList.add("hidden");

      document.getElementById("signupPage").classList.remove("hidden");

    }

    function signup() {

      const username = document.getElementById("signupUsername").value;

      const password = document.getElementById("signupPassword").value;

      if (!username || !password) return alert("Please fill all fields");

      if (users[username]) return alert("User already exists");

      users[username] = password;

      alert("Account created! Please login.");

      showLogin();

    }

    function login() {

      const username = document.getElementById("loginUsername").value;

      const password = document.getElementById("loginPassword").value;

      if (users[username] && users[username] === password) {

        currentUser = username;

        document.getElementById("loginPage").classList.add("hidden");

        document.getElementById("categoryPage").classList.remove("hidden");

      } else {

        alert("Invalid credentials");

      }

    }

    function selectCategory(cat) {

      selectedCategory = cat;

      document.getElementById("categoryPage").classList.add("hidden");

      document.getElementById("actionPage").classList.remove("hidden");

      document.getElementById("selectedCategoryText").innerText = `Selected: ${cat} Ticket`;

    }

    function goToSell() {

      document.getElementById("actionPage").classList.add("hidden");

      document.getElementById("sellPage").classList.remove("hidden");

    }

    function goToBuy() {

      document.getElementById("actionPage").classList.add("hidden");

      document.getElementById("buyPage").classList.remove("hidden");

      renderTickets();

    }

    function backToCategory() {

      document.getElementById("actionPage").classList.add("hidden");

      document.getElementById("categoryPage").classList.remove("hidden");

    }

    function backToAction() {

      document.getElementById("sellPage").classList.add("hidden");

      document.getElementById("buyPage").classList.add("hidden");

      document.getElementById("actionPage").classList.remove("hidden");

    }

    function postTicket() {

      const ticketNo = document.getElementById("ticketNo").value;

      const busNo = document.getElementById("busNo").value;

      const route = document.getElementById("route").value;

      const price = document.getElementById("price").value;

      const upiId = document.getElementById("upiId").value;

      if (!ticketNo || !busNo || !route || !price || !upiId) {

        alert("Fill all fields!");

        return;

      }

      tickets.push({

        type: selectedCategory,

        user: currentUser,

        ticketNo, busNo, route, price, upiId

      });

      alert("Ticket posted!");

      document.getElementById("sellPage").classList.add("hidden");

      document.getElementById("actionPage").classList.remove("hidden");

      // Clear inputs

      ['ticketNo', 'busNo', 'route', 'price', 'upiId'].forEach(id => {

        document.getElementById(id).value = '';

      });

    }

    function renderTickets() {

      const list = document.getElementById("ticketsList");

      list.innerHTML = '';

      const filtered = tickets.filter(t => t.type === selectedCategory);

      if (filtered.length === 0) {

        list.innerHTML = '<p>No tickets available right now.</p>';

        return;

      }

      filtered.forEach((t, index) => {

        list.innerHTML += `

          <div class="ticket">

            <strong>Bus No:</strong> ${t.busNo}<br>

            <strong>Ticket No:</strong> ${t.ticketNo}<br>

            <strong>Route:</strong> ${t.route}<br>

            <strong>Price:</strong> ₹${t.price}<br>

            <button onclick="showUPI(${index})">Buy Ticket</button>

            <div id="upi-${index}" class="upi-box" style="display:none;">

              Pay UPI: <strong>${t.upiId}</strong>

            </div>

          </div>

        `;

      });

    }

    function showUPI(index) {

      document.getElementById(`upi-${index}`).style.display = 'block';

    }

  </script>

</body>

</html>