

```
// Load users from localStorage or initialize empty array
let users = JSON.parse(localStorage.getItem("users")) || [];

// Save users to localStorage
function saveUsers() {
  localStorage.setItem("users", JSON.stringify(users));
}

// SIGNUP: Save user if email is unique
function signup() {
  const email = document.getElementById("signupEmail").value.trim();
  const password = document.getElementById("signupPassword").value.trim();

  if (!email || !password) {
    alert("Please enter Email and Password!");
    return;
  }

  const userExists = users.some(user => user.email === email);
  if (userExists) {
    alert("Email already registered. Please log in.");
    return;
  }

  users.push({ email, password });
  saveUsers();
  alert("Account created! Please login.");
  showLogin();
}

// LOGIN: Only allow if user exists and password matches
function login() {
  const email = document.getElementById("loginEmail").value.trim();
  const password = document.getElementById("loginPassword").value.trim();

  if (!email || !password) {
    alert("Please enter Email and Password!");
    return;
  }

  const validUser = users.find(user => user.email === email && user.password === password);
  if (validUser) {
    alert("Login successful!");
    document.getElementById("loginPage").style.display = "none";
    document.getElementById("mainApp").style.display = "block";
  } else {
    alert("Invalid credentials. Please sign up first.");
  }
}
```