



FACULTAD DE INGENIERÍA

CARRERA DE INGENIERÍA DE SISTEMAS COMPUTACIONALES

Actividad 11

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IU de nuestro programa

The screenshot shows the Librería Bazar RGE website. At the top, there's a blue header bar with the logo 'Librería Bazar RGE' and the subtitle 'Sistema de Gestión de Productos y Ventas'. Below the header are four navigation buttons: 'PRODUCTOS' (selected), 'VENTAS', 'REPORTES', and 'ACCESIBILIDAD'. The main content area has a light gray background and features a white card titled 'Registro de Productos'. Inside the card, there are two input fields: 'NOMBRE DEL PRODUCTO *' (with placeholder 'Ej: Cuaderno 100 hojas') and 'CATEGORÍA *' (with placeholder '-- Seleccionar --'). Below these are two more input fields: 'PRECIO (COP) *' (with value '0.00') and 'STOCK INICIAL *' (with value '0'). At the bottom of the card is a blue button labeled 'AGREGAR PRODUCTO'. Below the card, the text 'Inventario Actual' is visible. At the very bottom of the page, there's a dark blue footer bar with the copyright notice '© 2023 Librería Bazar RGE - Sistema de Gestión Accesible e Inclusivo' and the tagline 'Desarrollado con enfoque en accesibilidad y experiencia de usuario inclusivo'.

Código

Index.html

```
<!DOCTYPE html>
<html lang="es">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="Sistema de gestión de productos, ventas e
inventario para Librería Bazar RGE - Accesible e inclusivo">
  <title>Librería Bazar RGE - Sistema de Gestión</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <!-- Skip to main content (Accesibilidad) -->
  <a href="#main-content" class="skip-link" tabindex="1">Ir al contenido principal</a>

  <header role="banner">
    <div class="header-container">
      <div class="header-title">
        <h1>  Librería Bazar RGE</h1>
        <p class="subtitle">Sistema de Gestión de Productos y Ventas</p>
      </div>
    </div>
  <nav role="navigation" aria-label="Menú principal">
```

```

<ul class="nav-menu">
    <li><button class="nav-btn active" data-panel="productos" aria-current="page">  Productos</button></li>
    <li><button class="nav-btn" data-panel="ventas" style="background-color: #e6f2ff;">  Ventas</button></li>
    <li><button class="nav-btn" data-panel="reportes" style="background-color: #f2e6ff;">  Reportes</button></li>
    <li><button class="nav-btn" data-panel="accesibilidad" style="background-color: #e6f2ff;">  Accesibilidad</button></li>
</ul>
</nav>
</div>
</header>

<main id="main-content" role="main">
    <!-- PANEL DE PRODUCTOS -->
    <section id="productos" class="panel active" aria-labelledby="productos-titulo">
        <h2 id="productos-titulo">Registro de Productos</h2>

        <form id="productForm" class="form-grid" novalidate>
            <div class="form-group">
                <label for="productName">Nombre del Producto *</label>
                <input type="text" id="productName" placeholder="Ej: Cuaderno 100 hojas" required aria-required="true">
                <span class="error-message" id="productName-error"></span>
            </div>

            <div class="form-group">
                <label for="productCategory">Categoría *</label>
                <select id="productCategory" required aria-required="true">
                    <option value="">-- Seleccionar --</option>
                    <option value="Cuadernos">Cuadernos</option>
                    <option value="Bolígrafos">Bolígrafos</option>
                    <option value="Libretas">Libretas</option>
                    <option value="Marcadores">Marcadores</option>
                    <option value="Mochilas">Mochilas</option>
                    <option value="Otros">Otros</option>
                </select>
                <span class="error-message" id="productCategory-error"></span>
            </div>

            <div class="form-group">
                <label for="productPrice">Precio (COP) *</label>
                <input type="number" id="productPrice" placeholder="0.00" step="0.01" min="0" required aria-required="true">
                <span class="error-message" id="productPrice-error"></span>
            </div>

            <div class="form-group">

```

```

        <label for="productStock">Stock Inicial *</label>
        <input type="number" id="productStock" placeholder="0" min="0" required aria-
required="true">
        <span class="error-message" id="productStock-error"></span>
</div>

        <button type="submit" class="btn btn-primary" aria-label="Agregar nuevo
producto">Agregar Producto</button>
        <p id="productMessage" class="message" aria-live="polite" aria-
atomic="true"></p>
</form>

<div class="products-container">
    <h3>Inventario Actual</h3>
    <div id="productsGrid" class="products-grid" role="region" aria-label="Lista de
productos registrados">
        <!-- Tarjetas de productos se generarán aquí -->
    </div>
</div>
</section>

<!-- PANEL DE VENTAS -->
<section id="ventas" class="panel" aria-labelledby="ventas-titulo">
    <h2 id="ventas-titulo">Registro de Ventas</h2>

    <form id="ventasForm" class="form-grid" novalidate>
        <div class="form-group">
            <label for="saleProduct">Producto *</label>
            <select id="saleProduct" required aria-required="true">
                <option value="">-- Seleccionar producto --</option>
                <!-- Se llena dinámicamente -->
            </select>
            <span class="error-message" id="saleProduct-error"></span>
        </div>

        <div class="form-group">
            <label for="saleQuantity">Cantidad *</label>
            <input type="number" id="saleQuantity" placeholder="0" min="1" required aria-
required="true">
            <span class="error-message" id="saleQuantity-error"></span>
        </div>

        <div class="form-group">
            <label for="saleCustomer">Nombre del Cliente (opcional)</label>
            <input type="text" id="saleCustomer" placeholder="Ej: Juan García">
        </div>
    </form>
</section>

```

```

<button type="submit" class="btn btn-primary" aria-label="Registrar
venta">Registrar Venta</button>
<p id="ventasMessage" class="message" aria-live="polite" aria-atomic="true"></p>
</form>

<div class="sales-summary">
  <h3>Resumen de Hoy</h3>
  <div class="summary-grid">
    <div class="summary-card">
      <p class="summary-label">Total Ventas</p>
      <p class="summary-value" id="totalSalesCount">0</p>
    </div>
    <div class="summary-card">
      <p class="summary-label">Dinero Ingresado</p>
      <p class="summary-value" id="totalSalesAmount">$0</p>
    </div>
    <div class="summary-card">
      <p class="summary-label">Productos Vendidos</p>
      <p class="summary-value" id="totalProductsSold">0</p>
    </div>
  </div>
</div>

<div class="sales-list">
  <h3>Últimas Ventas</h3>
  <table role="region" aria-label="Tabla de ventas recientes">
    <thead>
      <tr>
        <th scope="col">Producto</th>
        <th scope="col">Cantidad</th>
        <th scope="col">Precio Unitario</th>
        <th scope="col">Total</th>
        <th scope="col">Cliente</th>
        <th scope="col">Hora</th>
      </tr>
    </thead>
    <tbody id="salesTableBody">
      <!-- Las ventas se mostrarán aquí -->
    </tbody>
  </table>
</div>
</section>

<!-- PANEL DE REPORTES -->
<section id="reportes" class="panel" aria-labelledby="reportes-titulo">
  <h2 id="reportes-titulo">Reportes</h2>
  <div class="reports-container">

```

```
<div class="report-section">
    <h3>Reporte de Inventario</h3>
    <div class="btn-group">
        <button class="btn btn-secondary" id="exportInventoryCSV" aria-
label="Descargar inventario en formato CSV">  Descargar CSV</button>
        <button class="btn btn-secondary" id="exportInventoryJSON" aria-
label="Descargar inventario en formato JSON">  Descargar JSON</button>
    </div>
    <div id="inventoryReport" class="report-content" role="region" aria-
label="Contenido del reporte de inventario">
        <!-- Tabla de inventario -->
    </div>
</div>

<div class="report-section">
    <h3>Reporte de Ventas</h3>
    <div class="btn-group">
        <button class="btn btn-secondary" id="exportSalesCSV" aria-label="Descargar
ventas en formato CSV">  Descargar CSV</button>
        <button class="btn btn-secondary" id="exportSalesJSON" aria-
label="Descargar ventas en formato JSON">  Descargar JSON</button>
    </div>
    <div id="salesReport" class="report-content" role="region" aria-label="Contenido
del reporte de ventas">
        <!-- Tabla de ventas -->
    </div>
</div>

<div class="report-section">
    <h3>Alertas de Stock</h3>
    <div id="stockAlerts" class="alerts-container" role="region" aria-label="Alertas de
stock bajo" aria-live="assertive">
        <!-- Alertas de stock bajo -->
    </div>
</div>
</div>
</section>

<!-- PANEL DE ACCESIBILIDAD -->
<section id="accesibilidad" class="panel" aria-labelledby="accesibilidad-titulo">
    <h2 id="accesibilidad-titulo">Opciones de Accesibilidad</h2>

    <div class="accessibility-options">
        <div class="option-group">
            <h3>Tamaño de Letra</h3>
            <div class="button-group">
```

```
<button class="btn btn-outline" id="textSmall" aria-label="Tamaño de letra
pequeño">A</button>
    <button class="btn btn-outline active" id="textNormal" aria-label="Tamaño de
letra normal">A</button>
    <button class="btn btn-outline larger" id="textLarge" aria-label="Tamaño de
letra grande">A</button>
    <button class="btn btn-outline larger larger" id="textXLarge" aria-
label="Tamaño de letra muy grande">A</button>
</div>
</div>

<div class="option-group">
    <h3>Contraste</h3>
    <div class="button-group">
        <button class="btn btn-outline active" id="contrastNormal" aria-
label="Contraste normal">Normal</button>
        <button class="btn btn-outline" id="contrastHigh" aria-label="Contraste
alto">Alto</button>
        <button class="btn btn-outline" id="contrastDark" aria-label="Modo
oscuro">Oscuro</button>
    </div>
</div>

<div class="option-group">
    <h3>Avisos</h3>
    <div class="checkbox-group">
        <label>
            <input type="checkbox" id="soundAlerts" aria-label="Habilitar avisos de
sonido">
                Avisos de sonido para mensajes importantes
            </label>
        </div>
    </div>

    <div class="option-group">
        <h3>Información</h3>
        <div class="info-box">
            <p><strong>Navegación por teclado:</strong></p>
            <ul>
                <li>Tab: Navegar entre elementos</li>
                <li>Shift + Tab: Navegar hacia atrás</li>
                <li>Enter: Activar botón o enviar formulario</li>
                <li>Esc: Cerrar diálogos (si aplica)</li>
            </ul>
        </div>
    </div>
</div>
</section>
```

```

</main>

<footer role="contentinfo">
    <p>© 2025 Librería Bazar RGE - Sistema de Gestión Accesible e Inclusivo</p>
    <p class="footer-note">Diseñado con enfoque en accesibilidad y experiencia de
usuario inclusiva</p>
</footer>

<!-- Modal de confirmación (accesible) -->
<div id="confirmModal" class="modal" role="dialog" aria-labelledby="confirmTitle" aria-
hidden="true">
    <div class="modal-content">
        <h2 id="confirmTitle">Confirmar acción</h2>
        <p id="confirmMessage"></p>
        <div class="modal-buttons">
            <button class="btn btn-primary" id="confirmYes">Confirmar</button>
            <button class="btn btn-outline" id="confirmNo">Cancelar</button>
        </div>
    </div>
</div>

<script src="script.js"></script>
</body>
</html>

```

script.js

```

// Capturar elementos del DOM
const form = document.getElementById('registroForm');
const lista = document.getElementById('usuariosList');
const mensaje = document.getElementById('mensaje');

// Almacenar usuarios
let usuarios = [];

// Evento de envío del formulario
form.addEventListener('submit', (e) => {
    e.preventDefault();

    const nombre = document.getElementById('nombre').value.trim();
    const email = document.getElementById('email').value.trim();
    const password = document.getElementById('password').value.trim();

    if (password.length < 6) {
        mensaje.textContent = "La contraseña debe tener al menos 6 caracteres.";
    }
});

```

```

        mensaje.style.color = "red";
        return;
    }

    const usuario = { nombre, email };
    usuarios.push(usuario);

    actualizarLista();
    mensaje.textContent = "Usuario registrado con éxito!";
    mensaje.style.color = "green";

    form.reset();
});

// Función para actualizar la lista de usuarios
function actualizarLista(){
    lista.innerHTML = "";
    usuarios.forEach((u) => {
        const li = document.createElement('li');
        li.textContent = `${u.nombre} - ${u.email}`;
        lista.appendChild(li);
    });
}

```

Style.css

```

/* =====
VARIABLES Y CONFIGURACIÓN GENERAL
===== */
:root {
    --color-primary: #6366f1;
    --color-primary-dark: #4f46e5;
    --color-primary-light: #818cf8;
    --color-secondary: #10b981;
    --color-accent: #f59e0b;
    --color-danger: #ef4444;
    --color-warning: #f97316;
    --color-bg: #f8fafc;
    --color-bg-light: #ffffff;
    --color-text: #1e293b;
    --color-text-light: #64748b;
    --color-border: #e2e8f0;
    --color-shadow: rgba(0, 0, 0, 0.08);
    --color-shadow-lg: rgba(0, 0, 0, 0.12);

    --spacing-xs: 0.25rem;
}

```

```

--spacing-sm: 0.5rem;
--spacing-md: 1rem;
--spacing-lg: 1.5rem;
--spacing-xl: 2rem;
--spacing-2xl: 3rem;

--radius-sm: 0.375rem;
--radius-md: 0.5rem;
--radius-lg: 0.75rem;
--radius-xl: 1rem;

--font-sans: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
  'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
  sans-serif;
--font-size-sm: 0.875rem;
--font-size-base: 1rem;
--font-size-lg: 1.125rem;
--font-size-xl: 1.25rem;
--font-size-2xl: 1.5rem;
--font-size-3xl: 1.875rem;

--transition-fast: 150ms cubic-bezier(0.4, 0, 0.2, 1);
--transition-base: 200ms cubic-bezier(0.4, 0, 0.2, 1);
--transition-slow: 300ms cubic-bezier(0.4, 0, 0.2, 1);
}

/* Tema de contraste alto */
body.high-contrast {
  --color-primary: #0000ff;
  --color-primary-dark: #00008b;
  --color-secondary: #008000;
  --color-danger: #ff0000;
  --color-text: #000000;
  --color-bg: #ffffff;
}

/* Tema oscuro */
body.dark-theme {
  --color-bg: #1e1e2e;
  --color-bg-light: #2d2d44;
  --color-text: #e8e8f0;
  --color-text-light: #b0b0c0;
  --color-border: #3d3d54;
  --color-shadow: rgba(0, 0, 0, 0.3);
}

/* =====
RESETEO Y ESTILOS BASE
===== */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

```

```
}

html{
  scroll-behavior: smooth;
}

body {
  font-family: var(--font-sans);
  background: linear-gradient(135deg, var(--color-bg) 0%, var(--color-bg-light) 100%);
  color: var(--color-text);
  line-height: 1.6;
  font-size: var(--font-size-base);
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  transition: background-color var(--transition-base), color var(--transition-base);
}

main {
  flex: 1;
}

/* Accesibilidad: Skip to main */
.skip-link{
  position: absolute;
  top: -40px;
  left: 0;
  background: var(--color-primary);
  color: white;
  padding: var(--spacing-md);
  z-index: 100;
  text-decoration: none;
  border-radius: var(--radius-md);
}

.skip-link:focus{
  top: 0;
}

/* Tamaños de texto ajustables */
body.text-small{
  --font-size-sm: 0.75rem;
  --font-size-base: 0.875rem;
  --font-size-lg: 1rem;
  --font-size-xl: 1.125rem;
  --font-size-2xl: 1.25rem;
  --font-size-3xl: 1.5rem;
}

body.text-large {
  --font-size-sm: 1rem;
  --font-size-base: 1.125rem;
  --font-size-lg: 1.25rem;
```

```
--font-size-xl: 1.5rem;
--font-size-2xl: 1.875rem;
--font-size-3xl: 2.25rem;
}

body.text-xlarge {
  --font-size-sm: 1.125rem;
  --font-size-base: 1.25rem;
  --font-size-lg: 1.5rem;
  --font-size-xl: 1.875rem;
  --font-size-2xl: 2.25rem;
  --font-size-3xl: 2.75rem;
}

/* =====
ENCABEZADO / HEADER
===== */
header {
  background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);
  color: white;
  padding: var(--spacing-lg) var(--spacing-md);
  box-shadow: 0 2px 12px var(--color-shadow-lg);
  position: sticky;
  top: 0;
  z-index: 100;
  backdrop-filter: blur(10px);
}

.header-container {
  max-width: 1400px;
  margin: 0 auto;
}

.header-title {
  margin-bottom: var(--spacing-lg);
}

header h1 {
  font-size: var(--font-size-3xl);
  font-weight: 700;
  letter-spacing: -0.5px;
  text-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.subtitle {
  font-size: var(--font-size-lg);
  opacity: 0.9;
  margin-top: var(--spacing-sm);
}

nav {
  margin-top: 0;
}
```

```
.nav-menu {
  display: flex;
  gap: var(--spacing-md);
  list-style: none;
  flex-wrap: wrap;
}

.nav-btn {
  background: rgba(255, 255, 255, 0.1);
  color: white;
  border: 2px solid rgba(255, 255, 255, 0.3);
  padding: var(--spacing-sm) var(--spacing-lg);
  border-radius: var(--radius-md);
  cursor: pointer;
  font-weight: 600;
  font-size: var(--font-size-base);
  transition: all var(--transition-fast);
  white-space: nowrap;
}

.nav-btn:hover,
.nav-btn:focus {
  background: rgba(255, 255, 255, 0.2);
  border-color: white;
  outline: none;
}

.nav-btn.active {
  background: white;
  color: var(--color-primary);
  border-color: white;
}

/* =====
CONTENIDO PRINCIPAL
===== */
main {
  max-width: 1400px;
  margin: var(--spacing-2xl) auto;
  padding: 0 var(--spacing-lg);
  width: 100%;
}

.panel {
  display: none;
  animation: fadeIn var(--transition-base);
}

.panel.active {
  display: block;
}
```

```
.panel h2 {  
  font-size: var(--font-size-2xl);  
  color: var(--color-primary);  
  margin-bottom: var(--spacing-xl);  
  padding-bottom: var(--spacing-md);  
  border-bottom: 3px solid var(--color-primary);  
}  
  
.panel h3 {  
  font-size: var(--font-size-xl);  
  color: var(--color-text);  
  margin: var(--spacing-xl) 0 var(--spacing-lg);  
}  
  
/* ======  
FORMULARIOS  
===== */  
.form-grid {  
  background: var(--color-bg-light);  
  padding: var(--spacing-2xl);  
  border-radius: var(--radius-xl);  
  box-shadow: 0 4px 20px var(--color-shadow);  
  border: 1px solid var(--color-border);  
  margin-bottom: var(--spacing-2xl);  
  display: grid;  
  grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));  
  gap: var(--spacing-lg);  
}  
  
.form-group {  
  display: flex;  
  flex-direction: column;  
}  
  
.form-group label {  
  font-weight: 600;  
  font-size: var(--font-size-sm);  
  color: var(--color-text);  
  text-transform: uppercase;  
  letter-spacing: 0.5px;  
  margin-bottom: var(--spacing-sm);  
}  
  
.form-group input,  
.form-group select,  
.form-group textarea {  
  padding: var(--spacing-md);  
  border: 2px solid var(--color-border);  
  border-radius: var(--radius-lg);  
  font-size: var(--font-size-base);  
  font-family: inherit;  
  transition: all var(--transition-fast);  
  background: var(--color-bg);  
}
```

```
}

.form-group input:focus,
.form-group select:focus,
.form-group textarea:focus {
  outline: none;
  border-color: var(--color-primary);
  background: var(--color-bg-light);
  box-shadow: 0 0 0 3px rgba(99, 102, 241, 0.1);
}

.form-group input::placeholder,
.form-group select::placeholder {
  color: var(--color-text-light);
}

.error-message {
  color: var(--color-danger);
  font-size: var(--font-size-sm);
  margin-top: var(--spacing-xs);
  display: none;
}

.form-group.error input,
.form-group.error select {
  border-color: var(--color-danger);
  box-shadow: 0 0 0 3px rgba(239, 68, 68, 0.1);
}

.form-group.error .error-message {
  display: block;
}

/* Spanning button across grid */
[type="submit"]{
  grid-column: 1 / -1;
}

=====
BOTONES
=====

.btn {
  padding: var(--spacing-md) var(--spacing-lg);
  border: none;
  border-radius: var(--radius-lg);
  cursor: pointer;
  font-weight: 600;
  font-size: var(--font-size-base);
  transition: all var(--transition-fast);
  text-transform: uppercase;
  letter-spacing: 0.5px;
  display: inline-flex;
  align-items: center;
}
```

```
justify-content: center;
gap: var(--spacing-sm);
white-space: nowrap;
}

.btn-primary {
background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);
color: white;
box-shadow: 0 4px 12px rgba(99, 102, 241, 0.3);
width: 100%;
}

.btn-primary:hover,
.btn-primary:focus {
background: linear-gradient(135deg, var(--color-primary-dark) 0%, #4338ca 100%);
box-shadow: 0 6px 20px rgba(99, 102, 241, 0.4);
transform: translateY(-2px);
outline: none;
}

.btn-primary:active {
transform: translateY(0);
box-shadow: 0 2px 8px rgba(99, 102, 241, 0.3);
}

.btn-secondary {
background: var(--color-secondary);
color: white;
box-shadow: 0 4px 12px rgba(16, 185, 129, 0.3);
width: auto;
}

.btn-secondary:hover,
.btn-secondary:focus {
background: #059669;
box-shadow: 0 6px 20px rgba(16, 185, 129, 0.4);
transform: translateY(-2px);
}

.btn-outline {
background: transparent;
color: var(--color-primary);
border: 2px solid var(--color-primary);
width: auto;
}

.btn-outline:hover,
.btn-outline:focus {
background: var(--color-primary);
color: white;
outline: none;
}
```

```
.btn-outline.active {
  background: var(--color-primary);
  color: white;
}

/* Grupos de botones */
.btn-group,
.button-group {
  display: flex;
  gap: var(--spacing-md);
  flex-wrap: wrap;
  margin-bottom: var(--spacing-lg);
}

/* =====
PANEL DE PRODUCTOS
===== */
.products-container {
  margin-top: var(--spacing-2xl);
}

.products-grid {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(280px, 1fr));
  gap: var(--spacing-lg);
}

.product-card {
  background: var(--color-bg-light);
  border: 2px solid var(--color-border);
  border-radius: var(--radius-xl);
  padding: var(--spacing-lg);
  transition: all var(--transition-base);
  box-shadow: 0 2px 8px var(--color-shadow);
}

.product-card:hover {
  box-shadow: 0 8px 24px var(--color-shadow-lg);
  transform: translateY(-4px);
  border-color: var(--color-primary);
}

.product-card h4 {
  font-size: var(--font-size-lg);
  color: var(--color-text);
  margin-bottom: var(--spacing-sm);
}

.product-badge {
  display: inline-block;
  background: var(--color-primary);
  color: white;
  padding: var(--spacing-xs) var(--spacing-sm);
```

```
border-radius: var(--radius-sm);
font-size: var(--font-size-sm);
margin-bottom: var(--spacing-md);
}

.product-info {
margin: var(--spacing-md) 0;
font-size: var(--font-size-sm);
}

.product-info p {
margin: var(--spacing-sm) 0;
color: var(--color-text-light);
}

.product-price {
font-size: var(--font-size-xl);
font-weight: 700;
color: var(--color-secondary);
margin: var(--spacing-md) 0;
}

.product-stock{
padding: var(--spacing-md);
background: var(--color-bg);
border-radius: var(--radius-md);
margin: var(--spacing-md) 0;
text-align: center;
}

.stock-status {
font-weight: 600;
display: flex;
justify-content: space-between;
align-items: center;
}

.stock-status.low {
color: var(--color-danger);
}

.stock-status.medium {
color: var(--color-warning);
}

.stock-status.high {
color: var(--color-secondary);
}

.product-stock-alert{
background: rgba(239, 68, 68, 0.1);
border: 2px solid var(--color-danger);
color: var(--color-danger);
}
```

```
padding: var(--spacing-md);
border-radius: var(--radius-md);
margin: var(--spacing-md) 0;
font-weight: 600;
animation: pulse 2s infinite;
}

.product-actions {
  display: grid;
  grid-template-columns: 1fr 1fr;
  gap: var(--spacing-sm);
  margin-top: var(--spacing-lg);
}

.btn-delete {
  background: var(--color-danger);
  color: white;
  border: none;
  padding: var(--spacing-sm) var(--spacing-md);
  border-radius: var(--radius-md);
  cursor: pointer;
  font-weight: 600;
  transition: all var(--transition-fast);
  width: 100%;
}

.btn-delete:hover {
  background: #dc2626;
  transform: translateY(-1px);
}

/* =====
PANEL DE VENTAS
===== */
.sales-summary {
  background: var(--color-bg-light);
  padding: var(--spacing-xl);
  border-radius: var(--radius-xl);
  border: 1px solid var(--color-border);
  margin: var(--spacing-2xl) 0;
  box-shadow: 0 2px 8px var(--color-shadow);
}

.summary-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
  gap: var(--spacing-lg);
  margin-top: var(--spacing-lg);
}

.summary-card {
  background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-light) 100%);
  color: white;
```

```
padding: var(--spacing-lg);
border-radius: var(--radius-lg);
text-align: center;
box-shadow: 0 4px 12px rgba(99, 102, 241, 0.3);
}

.summary-label {
  font-size: var(--font-size-sm);
  opacity: 0.9;
  margin-bottom: var(--spacing-sm);
}

.summary-value {
  font-size: var(--font-size-3xl);
  font-weight: 700;
}

.sales-list {
  background: var(--color-bg-light);
  padding: var(--spacing-lg);
  border-radius: var(--radius-xl);
  border: 1px solid var(--color-border);
  box-shadow: 0 2px 8px var(--color-shadow);
  overflow-x: auto;
}

table {
  width: 100%;
  border-collapse: collapse;
  font-size: var(--font-size-sm);
}

table thead {
  background: var(--color-primary);
  color: white;
}

table th {
  padding: var(--spacing-md);
  text-align: left;
  font-weight: 600;
}

table td {
  padding: var(--spacing-md);
  border-bottom: 1px solid var(--color-border);
}

table tbody tr:hover {
  background: var(--color-bg);
}

/* ======
```

```
PANEL DE REPORTES
=====
.report-section {
  display: grid;
  gap: var(--spacing-2xl);
}

.report-section h3 {
  margin-top: 0;
  color: var(--color-primary);
}

.report-content {
  overflow-x: auto;
  margin-top: var(--spacing-lg);
}

.alerts-container {
  display: grid;
  gap: var(--spacing-md);
}

.alert {
  padding: var(--spacing-lg);
  border-left: 4px solid;
  border-radius: var(--radius-md);
  background-color: rgba(0, 0, 0, 0.02);
}

.alert.warning {
  border-color: var(--color-warning);
  background-color: rgba(249, 115, 22, 0.1);
  color: #92400e;
}

.alert.danger {
  border-color: var(--color-danger);
  background-color: rgba(239, 68, 68, 0.1);
  color: #7f1d1d;
}

/*
=====
PANEL DE ACCESIBILIDAD
=====
*/
.accessibility-options {
```

```
background: var(--color-bg-light);
padding: var(--spacing-2xl);
border-radius: var(--radius-xl);
border: 1px solid var(--color-border);
box-shadow: 0 2px 8px var(--color-shadow);
max-width: 800px;
}

.option-group {
  margin-bottom: var(--spacing-2xl);
}

.option-group h3 {
  color: var(--color-primary);
  margin-top: 0;
}

.checkbox-group {
  display: flex;
  flex-direction: column;
  gap: var(--spacing-md);
}

.checkbox-group label {
  display: flex;
  align-items: center;
  gap: var(--spacing-md);
  cursor: pointer;
  font-weight: 500;
}

.checkbox-group input[type="checkbox"]{
  width: 20px;
  height: 20px;
  cursor: pointer;
}

.info-box {
  background: var(--color-bg);
  padding: var(--spacing-lg);
  border-radius: var(--radius-md);
  border-left: 4px solid var(--color-primary);
}

.info-box ul {
  margin: var(--spacing-md) 0 0 var(--spacing-lg);
  list-style: disc;
}

.info-box li {
  margin: var(--spacing-sm) 0;
}
```

```
/* Botones de tamaño de texto */
#textSmall { font-size: 0.8rem; }
#textNormal { font-size: 1rem; }
#textLarge { font-size: 1.2rem; }
#textLarge.larger { font-size: 1.4rem; }
#textXLarge { font-size: 1.6rem; }
#textXLarge.larger { font-size: 1.8rem; }

/* =====
   MENSAJES Y ALERTAS
=====
*/
.message {
  margin-top: var(--spacing-lg);
  padding: var(--spacing-md);
  border-radius: var(--radius-md);
  font-weight: 500;
  text-align: center;
  min-height: 1.5rem;
  animation: slideIn var(--transition-base);
}

.message.success {
  background: rgba(16, 185, 129, 0.1);
  color: var(--color-secondary);
  border: 1px solid rgba(16, 185, 129, 0.3);
}

.message.error {
  background: rgba(239, 68, 68, 0.1);
  color: var(--color-danger);
  border: 1px solid rgba(239, 68, 68, 0.3);
}

.message.warning {
  background: rgba(249, 115, 22, 0.1);
  color: var(--color-warning);
  border: 1px solid rgba(249, 115, 22, 0.3);
}

.message.info {
  background: rgba(99, 102, 241, 0.1);
  color: var(--color-primary);
  border: 1px solid rgba(99, 102, 241, 0.3);
}

/* =====
   MODAL
=====
*/
.modal {
  display: none;
  position: fixed;
  z-index: 1000;
  left: 0;
```

```
top: 0;
width: 100%;
height: 100%;
background-color: rgba(0, 0, 0, 0.5);
animation: fadeln var(--transition-base);
}

.modal.show {
display: flex;
align-items: center;
justify-content: center;
}

.modal-content {
background: var(--color-bg-light);
padding: var(--spacing-2xl);
border-radius: var(--radius-xl);
max-width: 500px;
width: 90%;
box-shadow: 0 8px 32px var(--color-shadow-lg);
}

.modal-content h2 {
margin-bottom: var(--spacing-lg);
color: var(--color-primary);
}

.modal-buttons {
display: grid;
grid-template-columns: 1fr 1fr;
gap: var(--spacing-md);
margin-top: var(--spacing-lg);
}

/* =====
ANIMACIONES
===== */
@keyframes slideIn {
from {
    opacity: 0;
    transform: translateY(-10px);
}
to {
    opacity: 1;
    transform: translateY(0);
}
}

@keyframes fadeIn {
from {
    opacity: 0;
}
to {

```

```

        opacity: 1;
    }
}

@keyframes slideUp {
from {
    opacity: 0;
    transform: translateY(20px);
}
to {
    opacity: 1;
    transform: translateY(0);
}
}

@keyframes pulse {
0%, 100% {
    opacity: 1;
}
50% {
    opacity: 0.7;
}
}

/* =====
PIE DE PÁGINA / FOOTER
=====
*/
footer {
background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);
color: rgba(255, 255, 255, 0.9);
text-align: center;
padding: var(--spacing-xl) var(--spacing-md);
margin-top: auto;
box-shadow: 0 -2px 12px var(--color-shadow-lg);
}

footer p {
margin: var(--spacing-xs) 0;
font-size: var(--font-size-sm);
}

.footer-note {
opacity: 0.8;
font-style: italic;
}

/* =====
RESPONSIVE DESIGN
=====
*/
@media (max-width: 1024px) {
.form-grid {
grid-template-columns: 1fr;
}
}

```

```
.summary-grid {
  grid-template-columns: 1fr;
}

}

@media (max-width: 768px) {
  header {
    padding: var(--spacing-md);
  }

  header h1 {
    font-size: var(--font-size-2xl);
  }

  .subtitle {
    font-size: var(--font-size-base);
  }

  .nav-menu {
    gap: var(--spacing-sm);
  }

  .nav-btn {
    padding: var(--spacing-sm) var(--spacing-md);
    font-size: var(--font-size-sm);
  }

  main {
    padding: 0 var(--spacing-md);
    margin: var(--spacing-xl) auto;
  }

  .panel h2 {
    font-size: var(--font-size-xl);
  }

  .form-grid,
  .sales-summary,
  .sales-list,
  .report-section,
  .accessibility-options {
    padding: var(--spacing-lg);
  }

  .products-grid {
    grid-template-columns: 1fr;
  }

  .product-actions {
    grid-template-columns: 1fr;
  }
}
```

```
table {
  font-size: var(--font-size-sm);
}

table th,
table td {
  padding: var(--spacing-sm);
}
}

@media (max-width: 480px) {
  header {
    padding: var(--spacing-sm);
  }

  header h1 {
    font-size: var(--font-size-xl);
  }

  .nav-menu {
    flex-direction: column;
    gap: var(--spacing-sm);
  }

  .nav-btn {
    width: 100%;
    text-align: center;
  }

  main {
    padding: 0 var(--spacing-sm);
    margin: var(--spacing-md) auto;
  }

  .panel h2 {
    font-size: var(--font-size-lg);
  }

  .form-grid,
  .sales-summary,
  .sales-list,
  .report-section,
  .accessibility-options {
    padding: var(--spacing-md);
  }

  .btn-group,
  .button-group {
    flex-direction: column;
    gap: var(--spacing-sm);
  }

  .btn {
```

```
width: 100%;  
}  
  
.modal-buttons {  
    grid-template-columns: 1fr;  
}  
}  
  
/* ======  
RESETEO Y ESTILOS BASE  
===== */  
* {  
    margin: 0;  
    padding: 0;  
    box-sizing: border-box;  
}  
  
html {  
    scroll-behavior: smooth;  
}  
  
body {  
    font-family: var(--font-sans);  
    background: linear-gradient(135deg, #f8fafc 0%, #e2e8f0 100%);  
    color: var(--color-text);  
    line-height: 1.6;  
    font-size: var(--font-size-base);  
    min-height: 100vh;  
    display: flex;  
    flex-direction: column;  
}  
  
main {  
    flex: 1;  
}  
  
/* ======  
ENCABEZADO / HEADER  
===== */  
header {  
    background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);  
    color: white;  
    padding: var(--spacing-lg) var(--spacing-md);  
    box-shadow: 0 2px 12px var(--color-shadow-lg);  
    position: sticky;  
    top: 0;  
    z-index: 100;  
    backdrop-filter: blur(10px);  
}  
  
header h1 {  
    font-size: var(--font-size-3xl);  
    font-weight: 700;
```

```
margin-bottom: var(--spacing-md);
letter-spacing: -0.5px;
text-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

nav {
  display: flex;
  gap: var(--spacing-xl);
  justify-content: center;
  flex-wrap: wrap;
}

nav a {
  color: rgba(255, 255, 255, 0.9);
  text-decoration: none;
  font-weight: 500;
  font-size: var(--font-size-base);
  padding: var(--spacing-sm) var(--spacing-md);
  border-radius: var(--radius-md);
  transition: all var(--transition-fast);
  position: relative;
}

nav a::after {
  content: "";
  position: absolute;
  bottom: 0;
  left: 0;
  width: 0;
  height: 2px;
  background: rgba(255, 255, 255, 0.8);
  transition: width var(--transition-fast);
}

nav a:hover {
  color: white;
  background: rgba(255, 255, 255, 0.1);
}

nav a:hover::after {
  width: 100%;
}

/* =====
CONTENIDO PRINCIPAL
===== */
main {
  display: grid;
  grid-template-columns: 1fr 1fr;
  gap: var(--spacing-2xl);
  max-width: 1400px;
  margin: var(--spacing-2xl) auto;
  padding: 0 var(--spacing-lg);
```

```
width: 100%;  
}  
  
/* ======  
FORMULARIO  
===== */  
.formulario {  
background: var(--color-bg-light);  
padding: var(--spacing-2xl);  
border-radius: var(--radius-xl);  
box-shadow: 0 4px 20px var(--color-shadow);  
transition: all var(--transition-base);  
border: 1px solid var(--color-border);  
}  
  
.formulario:hover {  
box-shadow: 0 8px 32px rgba(99, 102, 241, 0.12);  
transform: translateY(-2px);  
}  
  
.formulario h2 {  
font-size: var(--font-size-2xl);  
margin-bottom: var(--spacing-xl);  
color: var(--color-primary);  
font-weight: 700;  
}  
  
label {  
display: block;  
margin-top: var(--spacing-lg);  
font-weight: 600;  
font-size: var(--font-size-sm);  
color: var(--color-text);  
text-transform: uppercase;  
letter-spacing: 0.5px;  
margin-bottom: var(--spacing-sm);  
}  
  
label:first-of-type {  
margin-top: 0;  
}  
  
input {  
width: 100%;  
padding: var(--spacing-md) var(--spacing-md);  
margin-bottom: var(--spacing-md);  
border: 2px solid var(--color-border);  
border-radius: var(--radius-lg);  
font-size: var(--font-size-base);  
font-family: inherit;  
transition: all var(--transition-fast);  
background: #f8fafc;  
}
```

```
input:focus {
  outline: none;
  border-color: var(--color-primary);
  background: white;
  box-shadow: 0 0 0 3px rgba(99, 102, 241, 0.1);
}

input::placeholder {
  color: var(--color-text-light);
}

button {
  margin-top: var(--spacing-lg);
  padding: var(--spacing-md) var(--spacing-2xl);
  background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);
  color: white;
  border: none;
  border-radius: var(--radius-lg);
  cursor: pointer;
  font-weight: 600;
  font-size: var(--font-size-base);
  width: 100%;
  transition: all var(--transition-fast);
  text-transform: uppercase;
  letter-spacing: 0.5px;
  box-shadow: 0 4px 12px rgba(99, 102, 241, 0.3);
  position: relative;
  overflow: hidden;
}

button::before {
  content: "";
  position: absolute;
  top: 0;
  left: -100%;
  width: 100%;
  height: 100%;
  background: rgba(255, 255, 255, 0.2);
  transition: left var(--transition-fast);
}

button:hover {
  background: linear-gradient(135deg, var(--color-primary-dark) 0%, #4338ca 100%);
  box-shadow: 0 6px 20px rgba(99, 102, 241, 0.4);
  transform: translateY(-2px);
}

button:hover::before {
  left: 100%;
}

button:active {
```

```
        transform: translateY(0);
        box-shadow: 0 2px 8px rgba(99, 102, 241, 0.3);
    }

#mensaje {
    margin-top: var(--spacing-lg);
    padding: var(--spacing-md);
    border-radius: var(--radius-md);
    font-weight: 500;
    text-align: center;
    min-height: 1.5rem;
    animation: slideIn var(--transition-base);
}

#mensaje.exito {
    background: rgba(16, 185, 129, 0.1);
    color: var(--color-secondary);
    border: 1px solid rgba(16, 185, 129, 0.3);
}

#mensaje.error {
    background: rgba(239, 68, 68, 0.1);
    color: var(--color-danger);
    border: 1px solid rgba(239, 68, 68, 0.3);
}

/* =====
LISTA DE USUARIOS
===== */
.lista {
    background: var(--color-bg-light);
    padding: var(--spacing-2xl);
    border-radius: var(--radius-xl);
    box-shadow: 0 4px 20px var(--color-shadow);
    transition: all var(--transition-base);
    border: 1px solid var(--color-border);
    height: fit-content;
}

.lista:hover {
    box-shadow: 0 8px 32px rgba(99, 102, 241, 0.12);
    transform: translateY(-2px);
}

.lista h2 {
    font-size: var(--font-size-2xl);
    margin-bottom: var(--spacing-xl);
    color: var(--color-primary);
    font-weight: 700;
}

#usuariosList {
    list-style: none;
```

```
}

#usuariosList li {
  padding: var(--spacing-lg);
  background: #f8fafc;
  margin-bottom: var(--spacing-md);
  border-radius: var(--radius-lg);
  border-left: 4px solid var(--color-primary);
  transition: all var(--transition-fast);
  display: flex;
  justify-content: space-between;
  align-items: center;
}

#usuariosList li:hover {
  background: linear-gradient(135deg, #f1f5f9 0%, #e2e8f0 100%);
  transform: translateX(4px);
  box-shadow: 0 2px 8px var(--color-shadow);
}

#usuariosList li strong {
  color: var(--color-primary);
  font-weight: 600;
}

#usuariosList li span {
  color: var(--color-text-light);
  font-size: var(--font-size-sm);
}

/* =====
PIE DE PÁGINA / FOOTER
===== */
footer {
  background: linear-gradient(135deg, var(--color-primary) 0%, var(--color-primary-dark) 100%);
  color: rgba(255, 255, 255, 0.9);
  text-align: center;
  padding: var(--spacing-xl) var(--spacing-md);
  margin-top: auto;
  box-shadow: 0 -2px 12px var(--color-shadow-lg);
  font-weight: 500;
  letter-spacing: 0.3px;
}

footer p {
  margin: 0;
  font-size: var(--font-size-sm);
}

/* =====
ANIMACIONES
===== */
@keyframes slideIn {
```

```
from {
  opacity: 0;
  transform: translateY(-10px);
}
to {
  opacity: 1;
  transform: translateY(0);
}
}

@keyframes fadeIn {
  from {
    opacity: 0;
  }
  to {
    opacity: 1;
  }
}

@keyframes slideUp {
  from {
    opacity: 0;
    transform: translateY(20px);
  }
  to {
    opacity: 1;
    transform: translateY(0);
  }
}

/* =====
RESPONSIVE DESIGN
===== */
@media (max-width: 1024px) {
  main {
    grid-template-columns: 1fr;
    gap: var(--spacing-xl);
    margin: var(--spacing-xl) auto;
  }

  .lista {
    height: auto;
  }
}

@media (max-width: 768px) {
  header h1 {
    font-size: var(--font-size-2xl);
    margin-bottom: var(--spacing-md);
  }

  nav {
    gap: var(--spacing-md);
  }
}
```

```
}

nav a {
  padding: var(--spacing-sm) var(--spacing-md);
  font-size: var(--font-size-sm);
}

main {
  padding: 0 var(--spacing-md);
  margin: var(--spacing-lg) auto;
}

.formulario,
.lista {
  padding: var(--spacing-lg);
}

.formulario h2,
.lista h2 {
  font-size: var(--font-size-xl);
}
}

@media (max-width: 480px) {
  header {
    padding: var(--spacing-md);
  }

  header h1 {
    font-size: var(--font-size-xl);
    margin-bottom: var(--spacing-sm);
  }

  nav {
    gap: var(--spacing-sm);
    flex-direction: column;
  }

  nav a {
    width: 100%;
    text-align: center;
  }

  main {
    padding: 0 var(--spacing-md);
    margin: var(--spacing-md) auto;
    gap: var(--spacing-lg);
  }

  .formulario,
  .lista {
    padding: var(--spacing-md);
  }
}
```

```
.formulario h2,  
.lista h2 {  
  font-size: var(--font-size-lg);  
}  
  
button {  
  padding: var(--spacing-md) var(--spacing-lg);  
}  
  
#usuariosList li {  
  flex-direction: column;  
  align-items: flex-start;  
  gap: var(--spacing-sm);  
}  
}
```