



PARTE C-2: Layouts, Componentes y Estilos

Versión: 1.0

Fecha: Octubre 2025

Tiempo de lectura: 15 minutos



CONTENIDO

1. Layouts Base
 2. Componentes Globales
 3. Responsive Design System
 4. Utilidades de Estilo
 5. Convenciones de Nomenclatura
-

1. LAYOUTS BASE

1.1 BaseLayout.astro

```
---  
// src/layouts/BaseLayout.astro  
import '@/styles/global.css';  
  
interface Props {  
  title: string;  
  description?: string;  
  image?: string;  
  noindex?: boolean;  
}  
  
const {  
  title,  
  description = 'Mixología exclusiva para eventos premium en Lima, Perú.'  
  image = '/images/og-image.jpg',  
}
```

```

    noindex = false,
  } = Astro.props;

const siteUrl = import.meta.env.PUBLIC_SITE_URL || 'https://lareserva.pe'
const canonicalURL = new URL(Astro.url.pathname, siteUrl);
---

<!doctype html>
<html lang="es" class="scroll-smooth">
  <head>
    <!-- Meta básico -->
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="icon" type="image/svg+xml" href="/favicon.svg" />
    <meta name="generator" content={Astro.generator} />

    <!-- SEO -->
    <title>{title} | La Reserva - Mixología Exclusiva</title>
    <meta name="description" content={description} />
    <link rel="canonical" href={canonicalURL} />
    {noindex && <meta name="robots" content="noindex, nofollow" />}

    <!-- Open Graph / Facebook -->
    <meta property="og:type" content="website" />
    <meta property="og:url" content={canonicalURL} />
    <meta property="og:title" content={title} />
    <meta property="og:description" content={description} />
    <meta property="og:image" content={new URL(image, siteUrl)} />

    <!-- Twitter -->
    <meta property="twitter:card" content="summary_large_image" />
    <meta property="twitter:url" content={canonicalURL} />
    <meta property="twitter:title" content={title} />
    <meta property="twitter:description" content={description} />
    <meta property="twitter:image" content={new URL(image, siteUrl)} />

    <!-- Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link
      href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght
      rel="stylesheet"
    />

```

```

<!-- Structured Data (JSON-LD) -->
<script type="application/ld+json">
  {
    "@context": "https://schema.org",
    "@type": "LocalBusiness",
    "name": "La Reserva",
    "description": "Mixología exclusiva para eventos premium",
    "url": "https://lareserva.pe",
    "telephone": "+51999888777",
    "address": {
      "@type": "PostalAddress",
      "addressLocality": "Lima",
      "addressCountry": "PE"
    }
  }
</script>
</head>
<body class="antialiased">
  <slot />
</body>
</html>

```

1.2 PageLayout.astro

```

---
// src/layouts/PageLayout.astro
import BaseLayout from './BaseLayout.astro';
import Header from '@components/layout/Header.astro';
import Footer from '@components/layout/Footer.astro';

interface Props {
  title: string;
  description?: string;
  image?: string;
}

const { title, description, image } = Astro.props;
---

<BaseLayout title={title} description={description} image={image}>
  <Header />

```

```

<main class="min-h-screen">
  <slot />
</main>

<Footer />
</BaseLayout>

```

1.3 AdminLayout.astro

```

---
// src/layouts/AdminLayout.astro
import BaseLayout from '../BaseLayout.astro';
import AdminSidebar from '@components/admin/AdminSidebar.astro';
import AdminHeader from '@components/admin/AdminHeader.astro';

interface Props {
  title: string;
}

const { title } = Astro.props;
---

<BaseLayout title={title} noindex={true}>
  <div class="flex h-screen bg-secondary-50">
    <!-- Sidebar -->
    <AdminSidebar />

    <!-- Main content area -->
    <div class="flex-1 flex flex-col overflow-hidden">
      <!-- Admin Header -->
      <AdminHeader />

      <!-- Main content -->
      <main class="flex-1 overflow-y-auto">
        <div class="container-custom py-8">
          <slot />
        </div>
      </main>
    </div>
  </div>
</BaseLayout>

```

2. COMPONENTES GLOBALES

2.1 Header.astro

```
---
// src/components/layout/Header.astro
import Navbar from './Navbar.astro';
import MobileMenu from './MobileMenu.astro';

const currentPath = Astro.url.pathname;
---

<header
  id="main-header"
  class="fixed top-0 left-0 right-0 z-50 bg-white/95 backdrop-blur-sm sha
>
  <div class="container-custom">
    <div class="flex items-center justify-between py-4">
      <!-- Logo -->
      <a href="/" class="flex items-center group">
        
      </a>

      <!-- Desktop Navigation -->
      <Navbar currentPath={currentPath} />

      <!-- CTA Button (Desktop) -->
      <a href="/cotizacion" class="hidden lg:block btn-primary">
        Cotizar Evento
      </a>

      <!-- Mobile Menu Button -->
      <button
        id="mobile-menu-btn"
        class="lg:hidden p-2 text-secondary-600 hover:text-primary-500 tr
        aria-label="Abrir menú"
      >
        <svg class="w-6 h-6" fill="none" stroke="currentColor" viewBox="(
```

```

        <path stroke-linecap="round" stroke-linejoin="round" stroke-wic
    </svg>
</button>
</div>
</div>

<!-- Mobile Menu -->
<MobileMenu currentPath={currentPath} />
</header>

<!-- Spacer para header fixed -->
<div class="h-20"></div>

<script>
    // Mobile menu toggle
    const btn = document.getElementById('mobile-menu-btn');
    const menu = document.getElementById('mobile-menu');

    btn?.addEventListener('click', () => {
        menu?.classList.toggle('hidden');
    });

    // Header scroll effect
    let lastScroll = 0;
    const header = document.getElementById('main-header');

    window.addEventListener('scroll', () => {
        const currentScroll = window.pageYOffset;

        if (currentScroll > 100) {
            header?.classList.add('shadow-md');
        } else {
            header?.classList.remove('shadow-md');
        }

        lastScroll = currentScroll;
    });
</script>

```

2.2 Navbar.astro

```

---
// src/components/layout/Navbar.astro
interface Props {
  currentPath: string;
}

const { currentPath } = Astro.props;

const navLinks = [
  { name: 'Inicio', href: '/' },
  { name: 'Servicios', href: '/servicios' },
  { name: 'Paquetes', href: '/paquetes' },
  { name: 'Portafolio', href: '/portafolio' },
  { name: 'Nosotros', href: '/nosotros' },
  { name: 'Blog', href: '/blog' },
  { name: 'Contacto', href: '/contacto' },
];

function isActive(path: string) {
  if (path === '/') {
    return currentPath === '/';
  }
  return currentPath.startsWith(path);
}
---

<nav class="hidden lg:block">
  <ul class="flex items-center gap-8">
    {navLinks.map(link => (
      <li>
        <a
          href={link.href}
          class={`
            font-medium transition-colors duration-200
            ${isActive(link.href)}
            ? 'text-primary-500'
            : 'text-secondary-600 hover:text-primary-500'
          `}
        >
          {link.name}
        </a>
      </li>
    )
  )
  )}}

```

```
</ul>
</nav>
```

2.3 MobileMenu.astro

```
---
// src/components/layout/MobileMenu.astro
interface Props {
  currentPath: string;
}

const { currentPath } = Astro.props;

const navLinks = [
  { name: 'Inicio', href: '/' },
  { name: 'Servicios', href: '/servicios' },
  { name: 'Paquetes', href: '/paquetes' },
  { name: 'Portafolio', href: '/portafolio' },
  { name: 'Nosotros', href: '/nosotros' },
  { name: 'Blog', href: '/blog' },
  { name: 'Contacto', href: '/contacto' },
];

function isActive(path: string) {
  if (path === '/') return currentPath === '/';
  return currentPath.startsWith(path);
}
---

<div
  id="mobile-menu"
  class="hidden lg:hidden fixed inset-0 top-20 bg-white z-40"
>
  <nav class="container-custom py-8">
    <ul class="space-y-4">
      {navLinks.map(link => (
        <li>
          <a
            href={link.href}
            class={`
              block py-3 px-4 rounded-lg font-medium transition-all
              ${isActive(link.href)

```



```

        ? 'bg-primary-50 text-primary-600'
        : 'text-secondary-600 hover:bg-secondary-50'
    }
    `}
  >
    {link.name}
  </a>
</li>
  )})
</ul>

<!-- CTA Button -->
<div class="mt-8">
  <a href="/cotizacion" class="btn-primary w-full text-center">
    Cotizar Evento
  </a>
</div>
</nav>
</div>

```

2.4 Footer.astro

```

---
// src/components/layout/Footer.astro
const currentYear = new Date().getFullYear();

const socialLinks = [
  { name: 'Instagram', icon: 'instagram', url: 'https://instagram.com/lar' },
  { name: 'Facebook', icon: 'facebook', url: 'https://facebook.com/larese' },
  { name: 'WhatsApp', icon: 'message-circle', url: 'https://wa.me/5199988' },
];

const quickLinks = [
  { name: 'Servicios', url: '/servicios' },
  { name: 'Paquetes', url: '/paquetes' },
  { name: 'Portafolio', url: '/portafolio' },
  { name: 'Blog', url: '/blog' },
  { name: 'Contacto', url: '/contacto' },
];

const legalLinks = [
  { name: 'Privacidad', url: '/privacidad' },

```

```

    { name: 'Términos', url: '/terminos' },
  ];
  ---

```

```

<footer class="bg-secondary-600 text-white">
  <!-- Main footer -->
  <div class="container-custom py-12">
    <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-8">
      <!-- Columna 1: Sobre nosotros -->
      <div>
        <h3 class="font-display text-primary-500 text-xl mb-4">La Reserva
        <p class="text-secondary-200 text-sm leading-relaxed mb-4">
          Mixología exclusiva para eventos premium en Lima, Perú.
        </p>
        <div class="flex gap-3">
          {socialLinks.map(social => (
            <a
              href={social.url}
              target="_blank"
              rel="noopener noreferrer"
              class="p-2 bg-secondary-500 hover:bg-primary-500 rounded-fu
              aria-label={social.name}
            >
              <svg class="w-5 h-5" fill="currentColor" viewBox="0 0 24 24">
                <!-- Iconos inline simples para evitar dependencias -->
                {social.icon === 'instagram' && (
                  <path d="M12 2.163c3.204 0 3.584.012 4.85.07 3.252.148
                )}
                {social.icon === 'facebook' && (
                  <path d="M24 12.073c0-6.627-5.373-12-12-12s-12 5.373-12
                )}
                {social.icon === 'message-circle' && (
                  <path d="M17.472 14.382c-.297-.149-1.758-.867-2.03-.967
                )}
              </svg>
            </a>
          )})}
        </div>
      </div>

      <!-- Columna 2: Links rápidos -->
      <div>
        <h4 class="font-semibold text-lg mb-4">Enlaces</h4>
        <ul class="space-y-2">

```

```

    {quickLinks.map(link => (
      <li>
        <a
          href={link.url}
          class="text-secondary-200 hover:text-primary-500 transiti
        >
          {link.name}
        </a>
      </li>
    ))}
  </ul>
</div>

```

<!-- Columna 3: Contacto -->

```

<div>
  <h4 class="font-semibold text-lg mb-4">Contacto</h4>
  <ul class="space-y-3 text-secondary-200 text-sm">
    <li class="flex items-start gap-2">
      <svg class="w-5 h-5 mt-0.5 flex-shrink-0" fill="none" stroke=
        <path stroke-linecap="round" stroke-linejoin="round" stroke=
      </svg>
      <a href="tel:+51999888777" class="hover:text-primary-500">+51
    </li>
    <li class="flex items-start gap-2">
      <svg class="w-5 h-5 mt-0.5 flex-shrink-0" fill="none" stroke=
        <path stroke-linecap="round" stroke-linejoin="round" stroke=
      </svg>
      <a href="mailto:contacto@lareserva.pe" class="hover:text-prin
    </li>
    <li class="flex items-start gap-2">
      <svg class="w-5 h-5 mt-0.5 flex-shrink-0" fill="none" stroke=
        <path stroke-linecap="round" stroke-linejoin="round" stroke=
        <path stroke-linecap="round" stroke-linejoin="round" stroke=
      </svg>
      <span>Lima, Perú</span>
    </li>
  </ul>
</div>

```

<!-- Columna 4: Horarios -->

```

<div>
  <h4 class="font-semibold text-lg mb-4">Horarios</h4>
  <ul class="space-y-2 text-secondary-200 text-sm">
    <li>Lunes - Viernes: 9:00 AM - 5:00 PM</li>

```



```

<!--  CORRECTO: Mobile-first -->
<div class="
  text-sm          /* Mobile (por defecto) */
  md:text-base     /* Tablet y más grandes */
  lg:text-lg       /* Desktop y más grandes */
  xl:text-xl       /* Desktop grande y más grandes */
">
  Texto responsive
</div>

<!--  INCORRECTO: Desktop-first -->
<div class="
  text-xl          /* Aplica a TODOS los tamaños */
  lg:text-lg       /* Reduce en desktop (contradictorio) */
  md:text-base
  sm:text-sm
">
  Mal enfoque
</div>

```

3.3 Grid Responsive

```

<!-- Grid de 1, 2, 3, 4 columnas según tamaño -->
<div class="
  grid
  grid-cols-1      /* Mobile: 1 columna */
  sm:grid-cols-2   /* Tablet pequeña: 2 columnas */
  md:grid-cols-2   /* Tablet: 2 columnas */
  lg:grid-cols-3   /* Desktop: 3 columnas */
  xl:grid-cols-4   /* Desktop grande: 4 columnas */
  gap-6            /* Espaciado entre elementos */
">
  <div>Card 1</div>
  <div>Card 2</div>
  <div>Card 3</div>
  <div>Card 4</div>
</div>

```

3.4 Flex Responsive

```

<!-- Stack vertical en mobile, horizontal en tablet+ -->
<div class="
  flex
  flex-col          /* Mobile: vertical */
  md:flex-row       /* Tablet+: horizontal */
  gap-4
  items-center
">
  <button class="btn-primary">Botón 1</button>
  <button class="btn-secondary">Botón 2</button>
</div>

```

3.5 Padding/Margin Responsive

```

<section class="
  py-8              /* Mobile: padding vertical pequeño */
  md:py-16          /* Tablet: padding medio */
  lg:py-24          /* Desktop: padding grande */
">
  <div class="
    px-4            /* Mobile: padding horizontal */
    md:px-6         /* Tablet: más padding */
    lg:px-8         /* Desktop: aún más padding */
  ">
    Contenido
  </div>
</section>

```

3.6 Mostrar/Ocultar según tamaño

```

<!-- Mostrar solo en mobile -->
<div class="block md:hidden">
  Contenido solo mobile
</div>

<!-- Ocultar en mobile, mostrar en tablet+ -->
<div class="hidden md:block">
  Contenido tablet y desktop
</div>

```

```
<!-- Mostrar solo en desktop -->
<div class="hidden lg:block">
  Contenido solo desktop
</div>
```

4. UTILIDADES DE ESTILO

4.1 Función cn() - Merge de clases

```
// src/utils/utils.ts
import { type ClassValue, clsx } from 'clsx';
import { twMerge } from 'tailwind-merge';

/**
 * Combina clases de Tailwind sin conflictos
 * @example cn('px-4', 'px-6') → 'px-6' (última tiene prioridad)
 */
export function cn(...inputs: ClassValue[]) {
  return twMerge(clsx(inputs));
}
```

Uso en componentes:

```
// Componente React
import { cn } from '@utils/utils';

interface ButtonProps {
  variant?: 'primary' | 'secondary';
  size?: 'sm' | 'md' | 'lg';
  className?: string;
  children: React.ReactNode;
}

export function Button({ variant = 'primary', size = 'md', className, children }) {
  return (
    <button
      className={cn(
        // Estilos base
        'btn font-semibold rounded-full transition-all',
        // Variantes

```

```

        variant === 'primary' && 'btn-primary',
        variant === 'secondary' && 'btn-secondary',
        // Tamaños
        size === 'sm' && 'px-4 py-2 text-sm',
        size === 'md' && 'px-6 py-3 text-base',
        size === 'lg' && 'px-8 py-4 text-lg',
        // Clases custom del padre
        className
    ))
  >
  {children}
</button>
);
}

```

4.2 Clases Utility en global.css

Recordatorio de las clases ya definidas en `src/styles/global.css` :

```

/* Secciones de página */
.section {
  @apply py-16 md:py-24 lg:py-32;
}

/* Container personalizado */
.container-custom {
  @apply container mx-auto px-4 md:px-6 lg:px-8 max-w-7xl;
}

/* Botones */
.btn {
  @apply inline-flex items-center justify-center px-6 py-3
    font-semibold rounded-full transition-all duration-200
    uppercase tracking-wider text-sm md:text-base
    disabled:opacity-50 disabled:cursor-not-allowed;
}

.btn-primary {
  @apply btn bg-gradient-to-r from-primary-500 to-accent-500
    text-secondary-600 hover:from-primary-600 hover:to-accent-600
    shadow-lg hover:shadow-xl;
}

```



```

.btn-secondary {
  @apply btn bg-transparent border-2 border-primary-500
    text-primary-500 hover:bg-primary-500 hover:text-secondary-600;
}

/* Cards */
.card {
  @apply bg-white rounded-lg shadow-md hover:shadow-xl
    transition-shadow duration-300 overflow-hidden;
}

/* Forms */
.input {
  @apply w-full px-4 py-3 border border-secondary-200
    rounded-lg focus:outline-none focus:ring-2
    focus:ring-primary-500 focus:border-transparent
    transition-all duration-200;
}

.label {
  @apply block text-sm font-semibold text-secondary-600 mb-2;
}

/* Text utilities */
.text-gradient {
  @apply bg-gradient-to-r from-primary-500 to-accent-500
    bg-clip-text text-transparent;
}

```

5. CONVENCIONES DE NOMENCLATURA

5.1 Archivos y Carpetas

✓ RECOMENDADO:

ComponentName.astro	# PascalCase para componentes
page-name.astro	# kebab-case para páginas
utils.ts	# camelCase para utilidades
ServiceCard.tsx	# PascalCase para React components

✗ EVITAR:

component_name.astro	# snake_case
----------------------	--------------


```
COMPONENT.astro          # UPPERCASE
component name.astro     # espacios
```

5.2 Componentes

```
---
//  CORRECTO: PascalCase
import Button from '@components/ui/Button.astro';
import ServiceCard from '@components/sections/ServiceCard.astro';
import QuoteForm from '@components/forms/QuoteForm.tsx';
---


<Button>Click</Button>
<ServiceCard />
<QuoteForm />
```

5.3 Variables y Funciones


```
//  camelCase para variables y funciones
const userName = 'Juan';
const eventDate = new Date();
const isActive = true;

function getEventById(id: string) { }
async function fetchQuotes() { }
const handleSubmit = () => { };
```

5.4 Constantes

```
//  UPPER_SNAKE_CASE para constantes globales
const MAX_GUESTS = 500;
const MIN_GUESTS = 25;
const DEFAULT_EVENT_DURATION = 5;
const API_BASE_URL = 'https://api.lareserva.pe';
```


5.5 Tipos e Interfaces

```
//  PascalCase para tipos e interfaces
interface Event {
  id: string;
  name: string;
}

interface QuoteFormData {
  email: string;
  phone: string;
}


type EventStatus = 'pending' | 'confirmed' | 'completed';
type UserRole = 'admin' | 'super_admin';
```


5.6 Clases CSS

```
/*  kebab-case para clases custom */
.hero-section { }
.card-title { }
.btn-primary { }
.service-card { }

/* BEM (opcional, no muy común con Tailwind) */
.card { }
.card__title { }
.card__body { }
.card--highlighted { }
```

5.7 Nombres de Props

```
//  camelCase para props
interface ButtonProps {
  variant?: string;
  onClick?: () => void;
  isDisabled?: boolean;
  className?: string;
}

//  Evitar
interface ButtonProps {
```

```
Variant?: string;           // PascalCase
on_click?: () => void;       // snake_case
'is-disabled'?: boolean;    // kebab-case
}
```

CHECKLIST COMPLETO - 02C

Antes de continuar con el siguiente archivo (02D), verifica:

Estructura:

- ☐ Todas las carpetas creadas según la estructura
- ☐ Layouts base implementados (BaseLayout, PageLayout, AdminLayout)
- ☐ Header y Footer implementados
- ☐ Navbar responsive funcional

Estilos:

- ☐ Tailwind configurado con paleta de La Reserva
- ☐ global.css con clases utility
- ☐ Sistema responsive mobile-first implementado
- ☐ Función cn() creada en utils

Convenciones:

- ☐ Nombres de archivos consistentes (PascalCase, kebab-case)
- ☐ Variables y funciones en camelCase
- ☐ Constantes en UPPER_SNAKE_CASE
- ☐ Tipos e interfaces en PascalCase

Testing:

- ☐ Servidor de desarrollo corriendo (`pnpm dev`)
 - ☐ Página de inicio muestra header y footer
 - ☐ Menú móvil funciona correctamente
 - ☐ Responsive design funciona en diferentes tamaños
 - ☐ No hay errores de TypeScript
-

Comandos útiles durante desarrollo:

```
# Iniciar servidor de desarrollo
```

```
pnpm dev
```

```
# Verificar tipos TypeScript
```

```
pnpm type-check
```

```
# Formatear código
```

```
pnpm format
```

```
# Build para producción
```

```
pnpm build
```

```
# Preview del build
```

```
pnpm preview
```

Extensiones de VS Code recomendadas:

1. **Astro** - Syntax highlighting y autocompletado
2. **Tailwind CSS IntelliSense** - Autocompletado de clases
3. **Prettier** - Formateo automático
4. **ESLint** - Detección de errores

Links útiles:

- **Astro Docs:** <https://docs.astro.build>
- **Tailwind Docs:** <https://tailwindcss.com/docs>
- **React Docs:** <https://react.dev>
- **TypeScript Handbook:** <https://www.typescriptlang.org/docs>



PRÓXIMOS PASOS

Has completado la configuración de estructura y estilos. Ahora continúa con:

→ **Archivo 02D: Utilidades y Mejores Prácticas**

- Funciones de utilidad completas
 - Constantes del proyecto
 - Validadores con Zod
 - Mejores prácticas de código
-

© 2025 La Reserva. Documentación técnica del proyecto.