

Design Systems for AI

# Design\_System.md

A comprehensive guide on how to structure and document a design system for AI.

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## This is a "Show, don't tell" document

The document here *shows* a structure that is familiar to AI. It's contents are just enough for AI to produce consistent output using your design system. This is important because your design system codebase and/or Figma design system file via MCP is overwhelming for AI. You can read why this may result in inconsistent output in our [Context, Context, Context article](#).



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## Beginning of the specification for AI package.json

```
{
  "name": "aidesignsystem",
  "version": "0.1.0",
  "private": true,
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "next start"
  },
  "dependencies": {
    "lucide-react": "^0.577.0",
    "next": "16.1.6",
    "react": "19.2.3",
    "react-dom": "19.2.3",
    "recharts": "^3.8.0"
  },
  "devDependencies": {
    "@tailwindcss/postcss": "^4",
```

```
"tailwindcss": "^4"
```

```
}
```

## Component Inventory

All components are exported from the barrel file and can be imported individually.

Component	Import	Other imports as necessary
Button	<pre>import { Button } from 'my_ds_name'</pre>	<pre>import Button from 'my_ds_name/Button/Button'</pre>
TextInput	<pre>import { TextInput } from 'my_ds_name'</pre>	<pre>import TextInput from 'my_ds_name/TextInput/TextInput'</pre>
Checkbox	<pre>import { Checkbox } from 'my_ds_name'</pre>	<pre>import Checkbox from 'my_ds_name/Checkbox/Checkbox'</pre>
Toggle	<pre>import { Toggle } from 'my_ds_name'</pre>	<pre>import Toggle from 'my_ds_name/Toggle/Toggle'</pre>
Select	<pre>import { Select } from 'my_ds_name'</pre>	<pre>import Select from 'my_ds_name/Select/Select'</pre>
Dropdown	<pre>import { Dropdown } from 'my_ds_name'</pre>	<pre>import Dropdown from 'my_ds_name/Dropdown/Dropdown'</pre>
DatePicker	<pre>import { DatePicker } from 'my_ds_name'</pre>	<pre>import DatePicker from 'my_ds_name/DatePicker/DatePicker'</pre>
Search	<pre>import { Search } from 'my_ds_name'</pre>	<pre>import Search from 'my_ds_name/Search/Search'</pre>
Tag	<pre>import { Tag } from 'my_ds_name'</pre>	<pre>import Tag from 'my_ds_name/Tag/Tag'</pre>

Component	Import	Other imports as necessary
Modal	<code>import { Modal } from 'my_ds_name'</code>	<code>import Modal from 'my_ds_name/Modal/Modal'</code>
DataTable	<code>import { DataTable } from 'my_ds_name'</code>	<code>import DataTable from 'my_ds_name/DataTable/DataTable'</code>
Pagination	<code>import { Pagination } from 'my_ds_name'</code>	<code>import Pagination from 'my_ds_name/Pagination/Pagination'</code>
Tabs	<code>import { Tabs } from 'my_ds_name'</code>	<code>import Tabs from 'my_ds_name/Tabs/Tabs'</code>
Header	<code>import { Header } from 'my_ds_name'</code>	<code>import Header from 'my_ds_name/Header/Header'</code>
SideNav	<code>import { SideNav } from 'my_ds_name'</code>	<code>import SideNav from 'my_ds_name/SideNav/SideNav'</code>
Breadcrumb	<code>import { Breadcrumb } from 'my_ds_name'</code>	<code>import Breadcrumb from 'my_ds_name/Breadcrumb/Breadcrumb'</code>
OverflowMenu	<code>import { OverflowMenu } from 'my_ds_name'</code>	<code>import OverflowMenu from 'my_ds_name/OverflowMenu/OverflowMenu'</code>
Notification	<code>import { Notification } from 'my_ds_name'</code>	<code>import Notification from 'my_ds_name/Notification/Notification'</code>
Toast	<code>import { Toast } from 'my_ds_name'</code>	<code>import { Toast } from 'my_ds_name/Notification/Notification'</code>
Banner	<code>import { Banner } from 'my_ds_name'</code>	<code>import { Banner } from 'my_ds_name/Notification/Notification'</code>
Form	<code>import { Form } from 'my_ds_name'</code>	<code>import Form from 'my_ds_name/Form/Form'</code>
FormGroup	<code>import { FormGroup } from 'my_ds_name'</code>	<code>import { FormGroup } from 'my_ds_name/Form/Form'</code>

Component	Import	Other imports as necessary
FormRow	<code>import { FormRow } from 'my_ds_name'</code>	<code>import { FormRow } from 'my_ds_name/Form/Form'</code>
FormActions	<code>import { FormActions } from 'my_ds_name'</code>	<code>import { FormActions } from 'my_ds_name/Form/Form'</code>
Spinner	<code>import { Spinner } from 'my_ds_name'</code>	<code>import { Spinner } from 'my_ds_name/Loading/Loading'</code>
Skeleton	<code>import { Skeleton } from 'my_ds_name'</code>	<code>import { Skeleton } from 'my_ds_name/Loading/Loading'</code>
SkeletonText	<code>import { SkeletonText } from 'my_ds_name'</code>	<code>import { SkeletonText } from 'my_ds_name/Loading/Loading'</code>
TableSkeleton	<code>import { TableSkeleton } from 'my_ds_name'</code>	<code>import { TableSkeleton } from 'my_ds_name/Loading/Loading'</code>

## Component Props

Every component accepts `className` and forwards extra props via `...props`. All components use `forwardRef`.

### Button

```
<Button
  variant="primary"           // "primary" | "secondary" |
  "tertiary" | "danger" | "ghost"
  size="md"                  // "sm" | "md" | "lg"
  disabled={false}
  loading={false}           // shows Loader2 spinner, disables
  button
```

```
icon={<IconComponent />}
iconPosition="left"      // "left" | "right"
fullWidth={false}
type="button"           // "button" | "submit" | "reset"
onClick={fn}
/>
```

## **\_TextInput**

```
<TextInput
  label="Email"
  placeholder="you@example.com"
  size="md"           // "sm" | "md" | "lg"
  disabled={false}
  required={false}
  helperText="We'll never share your email."
  errorText="Invalid email" // triggers error state (red
border + icon)
  successText="Looks good!" // triggers success state
(green border + icon)
  icon={<IconComponent />} // left icon
  wrapperClassName=""
  // All native <input> props: value, onChange, type, name,
etc.
/>
```

## **\_Select (native)**

```
<Select
  label="Country"
  options={[           // string[] or { value,
label }[]
    { value: 'us', label: 'United States' },
```

```

    { value: 'uk', label: 'United Kingdom' },
  ]}
  value="us"
  onChange={fn}
  placeholder="Select an option"
  size="md" // "sm" | "md" | "lg"
  disabled={false}
  required={false}
  errorText=""
  helperText=""
  wrapperClassName=""
/>

```

## Dropdown (custom styled, non-native)

```

<Dropdown
  label="Role"
  options={[ // string[] or { value,
label, disabled? }[]
    { value: 'admin', label: 'Admin' },
    { value: 'user', label: 'User' },
  ]}
  value="admin"
  onChange={({value}) => {}}
  placeholder="Select..."
  size="md" // "sm" | "md" | "lg"
  disabled={false}
  required={false}
  errorText=""
  helperText=""
  wrapperClassName=""
/>

```

## **\_Checkbox**

```
<Checkbox
  label="Accept terms"
  checked={false}
  indeterminate={false}    // shows minus icon (mixed state)
  disabled={false}
  size="md"                // "sm" | "md" | "lg"
  onChange={fn}
/>
```

## **\_Toggle**

```
<Toggle
  label="Dark mode"
  checked={false}
  disabled={false}
  size="md"                // "sm" | "md" | "lg"
  onChange={fn}
/>
```

## **\_Modal**

```
<Modal
  open={false}
  onClose={fn}
  title="Confirm Action"
  size="md"                // "sm" | "md" | "lg" | "xl" |
  "full"
  closeOnOverlay={true}
  closeOnEsc={true}
  showCloseButton={true}
```

```

    footer={<>
      <Button variant="tertiary" onClick=
{onClose}>Cancel</Button>
      <Button onClick={onConfirm}>Confirm</Button>
    </>}
  >
  <p>Modal body content here.</p>
</Modal>

```

Note: Modal renders via `createPortal` to `document.body`. It locks body scroll while open.

## **\_Tag**

```

<Tag
  color="default"           // "default" | "brand" |
"success" | "warning" | "danger" | "info"
  size="md"                // "sm" | "md" | "lg"
  dismissible={false}
  onDismiss={fn}
  icon={<IconComponent />}
  outline={false}          // outline variant: transparent
  bg with colored border
>
  Label
</Tag>

```

## **\_Notification (inline)**

```

<Notification
  type="info"              // "success" | "warning" |
"error" | "info"
  title="Heads up"
  dismissible={true}

```

```
    onDismiss={fn}
  >
    Descriptive message body.
</Notification>
```

## **\_Toast (floating)**

```
<Toast
  type="success"           // "success" | "warning" |
  "error" | "info"
  title="Saved"
  visible={true}
  duration={5000}         // ms, 0 = persistent
  onClose={fn}
>
  Optional body text.
</Toast>
```

Renders fixed at bottom-right.

## **\_Banner (full-width)**

```
<Banner
  type="warning"           // "success" | "warning" |
  "error" | "info"
  dismissible={true}
  onDismiss={fn}
>
  System maintenance scheduled for tonight.
</Banner>
```

## **\_DataTable**

```

<DataTable
  columns={[
    { key: 'name', header: 'Name', sortable: true, width:
'200px' },
    { key: 'email', header: 'Email' },
    { key: 'status', header: 'Status', render: (val, row) =>
<Tag>{val}</Tag> },
  ]}
  data={[
    { id: 1, name: 'Alice', email: 'alice@co.com', status:
'Active' },
  ]}
  sortable={true}
  defaultSortColumn="name"
  defaultSortDirection="asc" // "asc" | "desc"
  onSort={({column, direction}) => {}}
  selectable={false}
  selectedRows={[]} // array of row indices
  onSelectionChange={({indices}) => {}}
  batchActions={<Button size="sm">Delete</Button>} // shown
when rows selected

```

## **\_Pagination**

```

<Pagination
  currentPage={1}
  totalPages={10}
  totalItems={100}
  pageSize={10}
  onPageChange={({page}) => {}}
  onPageSizeChange={({size}) => {}}
  pageSizeOptions={[10, 25, 50, 100]}
  siblingCount={1}
  showPageSizeSelector={false}

```

```
    showItemCount={false}
  />
```

## **\_Tabs**

```
<Tabs
  tabs={[
    { id: 'tab1', label: 'General', content: <div>...</div>
  },
    { id: 'tab2', label: 'Settings', icon: <Settings size=
{16} />, badge: 3 },
    { id: 'tab3', label: 'Disabled', disabled: true },
  ]}
  defaultActiveTab="tab1"
  activeTab={controlled}           // optional controlled mode
  onChange={({tabId}) => {}}
  variant="underline"             // "underline" | "pill"
  size="md"                       // "sm" | "md" | "lg"
  fullWidth={false}
/>
```

## **\_Header**

```
<Header
  logo={}
  productName="Product"
  navItems={[
    { label: 'Dashboard', href: '/', active: true, icon:
<Home size={16} /> },
    { label: 'Settings', href: '/settings', onClick: fn },
  ]}
  actions={<Button size="sm">Sign out</Button>}
/>
```

```
/>
```

## **\_SideNav**

```
<SideNav
  collapsed={false}           // collapsed = icon-only (w-
16), expanded = full (w-60)
  header={<Logo />}
  footer={<UserMenu />}
  items={[
    { label: 'Dashboard', href: '/', icon: <Home size={18}
/>, active: true, badge: '3' },
    { label: 'Analytics', icon: <BarChart size={18} />,
children: [
    { label: 'Overview', href: '/analytics' },
    { label: 'Reports', href: '/reports' },
  ], defaultExpanded: true },
    { divider: true, label: 'Settings' }, // section
divider with optional label
    { label: 'Preferences', icon: <Settings size={18} />,
href: '/settings' },
  ]}
/>
```

## **\_Breadcrumb**

```
<Breadcrumb
  items={[
    { label: 'Home', href: '/', icon: <Home size={14} /> },
    { label: 'Projects', href: '/projects' },
    { label: 'Current' }, // last item renders as plain
text (aria-current="page")
  ]}
/>
```

```
    separator={<CustomSeparator />} // optional, defaults to  
ChevronRight  
/>
```

## **\_Search**

```
<Search  
  value={controlled} // optional controlled mode  
  onChange={{(val) => {}}}  
  onSearch={{(val) => {}} // fires on Enter or after  
debounce  
  onClear={fn}  
  placeholder="Search..."  
  suggestions={[ // string[] or { label,  
description }[]  
    { label: 'Result 1', description: 'Description' },  
  ]}  
  onSuggestionSelect={{(suggestion) => {}}  
  loading={false}  
  size="md" // "sm" | "md" | "lg"  
  disabled={false}  
  scope="Projects" // optional scope badge  
inside input  
  debounceMs={300}  
  wrapperClassName=""  
/>
```

## **\_DatePicker**

```
<DatePicker  
  label="Start date"  
  value="2026-03-12" // format: YYYY-MM-DD  
  onChange={{(dateStr) => {}}}
```

```

mode="single" // "single" | "range"
rangeEnd="2026-03-20" // only when mode="range"
onRangeChange={({start, end}) => {}}
placeholder="Select date"
min="2026-01-01" // disable dates before
max="2026-12-31" // disable dates after
size="md" // "sm" | "md" | "lg"
disabled={false}
required={false}
errorText=""
helperText=""
wrapperClassName=""
/>

```

## \_OverflowMenu

```

<OverflowMenu
  trigger={<CustomTrigger />} // optional, defaults to
MoreVertical icon
  align="right" // "right" | "left"
  size="md" // "sm" | "md" | "lg"
  items={[
    { label: 'Edit', icon: <Edit size={14} />, onClick: fn,
shortcut: '%E' },
    { label: 'Duplicate', icon: <Copy size={14} />, onClick:
fn },
    { divider: true },
    { label: 'Delete', icon: <Trash size={14} />, onClick:
fn, danger: true },
    { label: 'Disabled', onClick: fn, disabled: true },
  ]}
/>

```

## **`_Form / _FormGroup / _FormRow / _FormActions`**

```
<Form onSubmit={{(e) => {}}}>
  <FormGroup legend="Personal Info">
    <FormRow>                                {/* 2-column grid on md+
screens */}
      <TextInput label="First name" />
      <TextInput label="Last name" />
    </FormRow>
    <TextInput label="Email" />
  </FormGroup>

  <FormActions align="right"> {/* "left" | "center" |
"right" | "between" */}
    <Button variant="tertiary">Cancel</Button>
    <Button type="submit">Save</Button>
  </FormActions>
</Form>
```

## **`_Loading Components`**

```
<Spinner size="md" label="Loading..." />      // "sm" |
"md" | "lg" | "xl"
<Skeleton width="200px" height="1rem" variant="rectangular"
/> // "rectangular" | "circular" | "text"
<SkeletonText lines={3} />
<TableSkeleton rows={5} columns={4} />
```

---

## **Design Tokens**

All tokens are CSS custom properties defined in `src/tokens/tokens.css`. Components reference **semantic** tokens only — never primitives directly.

## **\_Colour Palette (Primitives)**

Scale	Token pattern	Range
Gray	<code>--ds-gray-{0,50,100..900,950}</code>	<code>#ffffff</code> → <code>#030712</code>
Blue (Primary)	<code>--ds-blue-{50..900}</code>	<code>#eff6ff</code> → <code>#1e3a8a</code>
Red (Danger)	<code>--ds-red-{50..900}</code>	<code>#fef2f2</code> → <code>#7f1d1d</code>
Green (Success)	<code>--ds-green-{50..900}</code>	<code>#f0fdf4</code> → <code>#14532d</code>
Amber (Warning)	<code>--ds-amber-{50..900}</code>	<code>#fffbeb</code> → <code>#78350f</code>
Teal (Info)	<code>--ds-teal-{50..900}</code>	<code>#f0fdfa</code> → <code>#134e4a</code>
Purple (Accent)	<code>--ds-purple-{50..900}</code>	<code>#faf5ff</code> → <code>#581c87</code>

## **\_Semantic Tokens (use these in components)**

**Backgrounds:** `--ds-bg-primary` `--ds-bg-secondary` `--ds-bg-tertiary` `--ds-bg-inverse` `--ds-bg-brand` `--ds-bg-brand-hover` `--ds-bg-danger` `--ds-bg-danger-hover` `--ds-bg-success` `--ds-bg-warning` `--ds-bg-info` `--ds-bg-error` `--ds-bg-overlay` `--ds-bg-hover` `--ds-bg-active` `--ds-bg-selected` `--ds-bg-disabled`

**Text:** `--ds-text-primary` `--ds-text-secondary` `--ds-text-tertiary` `--ds-text-inverse` `--ds-text-brand` `--ds-text-danger` `--ds-text-success` `--ds-text-warning` `--ds-text-info` `--ds-text-disabled` `--ds-text-placeholder` `--ds-text-on-brand` `--ds-text-link` `--ds-text-link-hover`

**Borders:** `--ds-border-primary` `--ds-border-secondary` `--ds-border-focus` `--ds-border-error` `--ds-border-success` `--ds-border-warning` `--ds-border-info` `--ds-border-disabled` `--ds-border-brand` `--ds-border-inverse`

**Icons:** `--ds-icon-primary` `--ds-icon-secondary` `--ds-icon-inverse` `--ds-icon-brand` `--ds-icon-danger` `--ds-icon-success` `--ds-icon-warning` `--ds-icon-info` `--ds-icon-disabled`

**Component-specific:** `--ds-input-bg` `--ds-input-border` `--ds-input-border-hover` `--ds-table-header-bg` `--ds-table-row-hover` `--ds-table-row-selected` `--ds-table-border` `--ds-sidebar-bg` `--ds-sidebar-text` `--ds-sidebar-text-active` `--ds-sidebar-hover` `--ds-sidebar-active` `--ds-header-bg` `--ds-header-border`

## **\_Spacing (4px base)**

Token	Value
<code>--ds-spacing-0</code>	0
<code>--ds-spacing-1</code>	0.25rem (4px)
<code>--ds-spacing-2</code>	0.5rem (8px)
<code>--ds-spacing-3</code>	0.75rem (12px)
<code>--ds-spacing-4</code>	1rem (16px)
<code>--ds-spacing-5</code>	1.25rem (20px)
<code>--ds-spacing-6</code>	1.5rem (24px)
<code>--ds-spacing-8</code>	2rem (32px)
<code>--ds-spacing-10</code>	2.5rem (40px)
<code>--ds-spacing-12</code>	3rem (48px)
<code>--ds-spacing-16</code>	4rem (64px)
<code>--ds-spacing-20</code>	5rem (80px)
<code>--ds-spacing-24</code>	6rem (96px)

## **\_Sizing**

Token	Value	Use
<code>--ds-size-xs</code>	1.5rem (24px)	Small badges, tags
<code>--ds-size-sm</code>	2rem (32px)	Small buttons/inputs
<code>--ds-size-md</code>	2.5rem (40px)	Default buttons/inputs
<code>--ds-size-lg</code>	3rem (48px)	Large buttons/inputs
<code>--ds-size-xl</code>	3.5rem (56px)	Extra large

Icons: `--ds-icon-{xs,sm,md,lg,xl}` → 12px, 16px, 20px, 24px, 32px

Containers: `--ds-container-{sm,md,lg,xl,2xl}` → 640px, 768px, 1024px, 1280px, 1536px

## \_Typography

Token	Value
<code>--ds-font-sans</code>	Geist Sans (falls back to system sans-serif)
<code>--ds-font-mono</code>	Geist Mono (falls back to system monospace)
<code>--ds-text-xs</code>	0.75rem (12px)
<code>--ds-text-sm</code>	0.875rem (14px)
<code>--ds-text-md</code>	1rem (16px)
<code>--ds-text-lg</code>	1.125rem (18px)
<code>--ds-text-xl</code>	1.25rem (20px)
<code>--ds-text-2xl</code>	1.5rem (24px)
<code>--ds-text-3xl</code>	1.875rem (30px)
<code>--ds-text-4xl</code>	2.25rem (36px)

Token	Value
<code>--ds-font-regular</code>	400
<code>--ds-font-medium</code>	500
<code>--ds-font-semibold</code>	600
<code>--ds-font-bold</code>	700
<code>--ds-leading-none</code>	1
<code>--ds-leading-tight</code>	1.25
<code>--ds-leading-snug</code>	1.375
<code>--ds-leading-normal</code>	1.5
<code>--ds-leading-relaxed</code>	1.625

## **\_Border Radius**

`--ds-radius-none` (0) · `--ds-radius-sm` (4px) · `--ds-radius-md` (6px) · `--ds-radius-lg` (8px) · `--ds-radius-xl` (12px) · `--ds-radius-2xl` (16px) · `--ds-radius-full` (9999px)

## **\_Shadows**

`--ds-shadow-xs` · `--ds-shadow-sm` · `--ds-shadow-md` · `--ds-shadow-lg` · `--ds-shadow-xl` · `--ds-shadow-2xl`

Dark theme automatically increases shadow opacity.

## **\_Motion**

Token	Value
<code>--ds-duration-fast</code>	100ms

Token	Value
<code>--ds-duration-normal</code>	200ms
<code>--ds-duration-slow</code>	300ms
<code>--ds-duration-slower</code>	500ms
<code>--ds-ease-default</code>	cubic-bezier(0.4, 0, 0.2, 1)

## **\_Z-Index**

Token	Value
<code>--ds-z-dropdown</code>	1000
<code>--ds-z-sticky</code>	1020
<code>--ds-z-fixed</code>	1030
<code>--ds-z-modal-backdrop</code>	1040
<code>--ds-z-modal</code>	1050
<code>--ds-z-popover</code>	1060
<code>--ds-z-tooltip</code>	1070
<code>--ds-z-toast</code>	1080

---

## **Theming**

**\_Available themes:** `light` (default), `dark`, `high-contrast`

Themes are applied via `data-theme` attribute on `<html>`. Switch at runtime using the `ThemeProvider` context:

```

import { useTheme } from '@context/ThemeProvider';

function ThemeSwitcher() {
  const { theme, setTheme, toggleTheme, themes } =
useTheme();
  return (
    <select value={theme} onChange={(e) =>
setTheme(e.target.value)}>
      {themes.map(t => <option key={t} value={t}>{t}
</option>)}
    </select>
  );
}

```

The `Providers` component in `src/app/providers.js` wraps the app with `ThemeProvider`. Theme persists in `localStorage` under key `ds-theme`.

## \_Creating a custom theme

Add a new `[data-theme="your-theme"]` block in `tokens.css` overriding the semantic tokens, then add the theme name to the `THEMES` array in `src/context/ThemeProvider.js`.

## Style Guide

### \_General rules

- Use semantic tokens (`--ds-bg-brand`, not `--ds-blue-600`). This ensures theme compatibility.
- Tailwind CSS 4 is the styling approach. Token values are applied inline via `var()` inside Tailwind arbitrary values: `bg-[var(--ds-bg-primary)]`, `text-[color:var(--ds-text-brand)]`.
- For font-size tokens, use the `length` hint: `text-[length:var(--ds-text-sm)]`

- For color tokens in `text-`, use the `color` hint: `text-[color:var(--ds-text-brand)]`
- For colors without hint ambiguity (bg, border), no hint is needed: `bg-[var(--ds-bg-primary)]`
- All interactive elements must include the `ds-focus-ring` class for keyboard accessibility.
- Transitions use design tokens: `transition-all duration-[var(--ds-duration-normal)]`.

## **\_Layout patterns**

- App shell: `Header` (h-14, top) + `SideNav` (w-60 or w-16 collapsed) + main content area.
- Forms: Wrap in `<Form>`, group sections with `<FormGroup legend="...">`, pair fields side-by-side with `<FormRow>`, and end with `<FormActions>`.
- Spacing: Use Tailwind's spacing utilities. For component internals, the token scale maps to Tailwind: `p-4 = 16px = --ds-spacing-4`.

## **\_Component patterns**

- All form components (`TextInput`, `Select`, `Dropdown`, `DatePicker`, `Checkbox`, `Toggle`, `Search`) support `size="sm|md|lg"` for consistent sizing.
- Error states: pass `errorText` to form controls. It sets red borders, shows error icons, and displays the message below the field.
- Loading states: `Button` has a `loading` prop. `DataTable` has a `loading` prop. Use `Spinner`, `Skeleton`, `SkeletonText`, or `TableSkeleton` for content loading.
- All components forward refs and spread `...props` for extensibility.

## **\_Typography**

- Page headings: `text-[length:var(--ds-text-3xl)]` or `text-[length:var(--ds-text-4xl)]` with `font-bold`
- Section headings: `text-[length:var(--ds-text-xl)]` with `font-semibold`
- Body text: `text-[length:var(--ds-text-md)]` (16px default)
- Small / helper text: `text-[length:var(--ds-text-sm)]` or `text-[length:var(--ds-text-xs)]`

- Use `--ds-text-primary` for main content, `--ds-text-secondary` for supporting text, `--ds-text-tertiary` for subdued text.

## **\_Accessibility**

- Focus rings via `ds-focus-ring` class (2px solid blue outline with 2px offset).
- Screen reader text via `ds-sr-only` class.
- All interactive components include proper ARIA attributes (`role`, `aria-label`, `aria-expanded`, `aria-modal`, etc.).
- Modal traps focus context and responds to Escape key.
- Color contrast meets WCAG AA in all three themes (high-contrast theme is designed for enhanced contrast).

---

## **Quick-Start Example**

```
'use client';
import { useState } from 'react';
import {
  Header, SideNav, Button, TextInput, Modal, DataTable,
  Tag, Notification, Form, FormGroup, FormRow, FormActions
} from 'my_ds_name';
import { Home, Settings, Users } from 'lucide-react';

export default function DashboardPage() {
  const [sideNavCollapsed, setSideNavCollapsed] =
  useState(false);
  const [modalOpen, setModalOpen] = useState(false);

  return (
    <div className="h-screen flex flex-col">
```

```
<Header
  productName="Acme Admin"
  navItems=[[{ label: 'Dashboard', href: '/', active:
true }]]
  actions={<Button size="sm" variant="ghost">Sign
```

## End of specification for AI

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