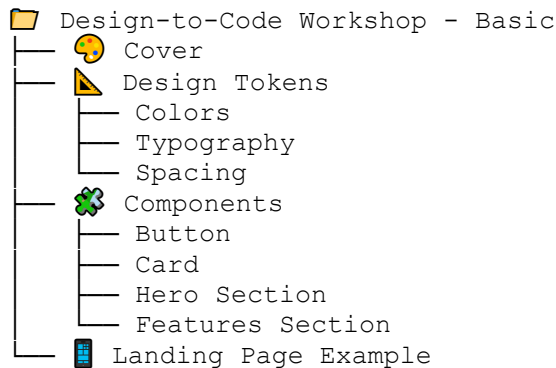# 🎨 Figma Design Templates for Design-to-Code Workshop

📘 Template 1: Basic Design System

File Name: `Design-to-Code-Workshop-Basic`

Structure:

```
📁 Design-to-Code Workshop - Basic
├── 🎨 Cover
├── 🔺 Design Tokens
│   ├── Colors
│   ├── Typography
│   └── Spacing
├── ✳️ Components
│   ├── Button
│   ├── Card
│   ├── Hero Section
│   └── Features Section
└── 📱 Landing Page Example
```

Pages & Content:

Page 1: Cover

```
Design-to-Code Workshop
Basic Template
Learn the fundamentals of design-to-code workflow
```

Page 2: Design Tokens

```
COLORS
Primary:
- primary-500: #2196F3
- primary-600: #1E88E5
- primary-700: #1976D2

Neutral:
- neutral-0: #FFFFFF
- neutral-100: #F5F5F5
- neutral-200: #EEEEEE
- neutral-300: #E0E0E0
- neutral-500: #9E9E9E
- neutral-700: #616161
- neutral-900: #212121

Semantic:
- success: #4CAF50
- warning: #FF9800
- error: #F44336
- info: #2196F3
```

```
TYPOGRAPHY
Font Family: Inter
Sizes:
- xs: 12px
- sm: 14px
- base: 16px
- lg: 18px
- xl: 20px
- 2xl: 24px
- 3xl: 30px
- 4xl: 36px
- 5xl: 48px

Weights:
- Regular: 400
- Medium: 500
- Semibold: 600
- Bold: 700

SPACING
- xs: 4px
- sm: 8px
- md: 16px
- lg: 24px
- xl: 32px
- xxl: 48px
```

Page 3: Components

Button Component:

- Variants: Primary, Secondary, Outlined
- Sizes: Small (36px), Medium (48px), Large (56px)
- States: Default, Hover, Active, Disabled
- Props: Text, Left Icon, Right Icon

```
Properties:
- Variant: Primary | Secondary | Outlined
- Size: Small | Medium | Large
- State: Default | Hover | Active | Disabled
- Has Left Icon: Boolean
- Has Right Icon: Boolean
```

Card Component:

- Structure: Image + Content + Actions
- Image: 16:9 aspect ratio
- Padding: 24px
- Border Radius: 12px
- Shadow: 0 2px 8px rgba(0,0,0,0.1)

```
Properties:
```

```
- Has Image: Boolean
- Variant: Default | Elevated | Outlined
```

Hero Section:

- Height: 600px
- Background: Gradient (Primary to Primary-dark)
- Content: Centered, max-width 800px
- Typography:
    - Headline: 48px Bold
    - Subheadline: 20px Regular

Features Section:

- 3-column grid
- Icon (64x64px)
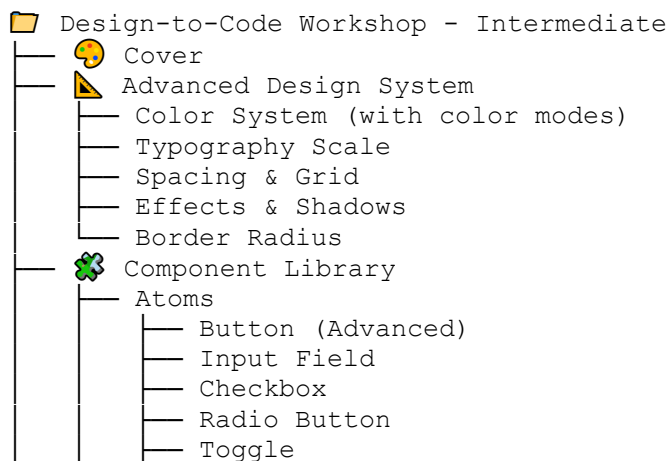- Title: 24px Semibold
- Description: 16px Regular

Page 4: Landing Page Example Complete landing page using all components:

1. Hero Section
2. Features Section (3 features)
3. Showcase Section (3 cards)
4. CTA Section

📗 Template 2: Intermediate Component Library

File Name: `Design-to-Code-Workshop-Intermediate`

Structure:

```
📁 Design-to-Code Workshop - Intermediate
├── 🎨 Cover
├── 📐 Advanced Design System
│   ├── Color System (with color modes)
│   ├── Typography Scale
│   ├── Spacing & Grid
│   ├── Effects & Shadows
│   └── Border Radius
├── 🧩 Component Library
│   ├── Atoms
│   │   ├── Button (Advanced)
│   │   ├── Input Field
│   │   ├── Checkbox
│   │   ├── Radio Button
│   │   ├── Toggle
```

```
│       │       ├── Badge
│       │       └── Icon System
│       ├── Molecules
│       │       ├── Form Field
│       │       ├── Search Bar
│       │       ├── Product Card
│       │       ├── Navigation Item
│       │       └── Modal
│       └── Organisms
│               ├── Header
│               ├── Footer
│               ├── Contact Form
│               └── Product Grid
└── 📱 Application Examples
        ├── Dashboard
        ├── E-commerce Page
        └── Settings Page
```

Advanced Components:

Input Field Component:

```
Structure:
- Label (Optional)
- Input Wrapper
  - Leading Icon (Optional)
  - Input
  - Trailing Icon (Optional)
- Helper Text (Optional)
- Error Message (Optional)

Variants:
- Type: Text | Email | Password | Number | Search
- State: Default | Hover | Focus | Disabled | Error | Success
- Size: Small | Medium | Large

Auto Layout Settings:
- Vertical Layout
- Gap: 8px
- Padding: Variable based on size
```

Product Card (Advanced):

```
Structure (Auto Layout):
- Image Container (Fixed Height: 240px)
  - Product Image (Fill)
  - Badge (Absolute: Top Right)
  - Favorite Button (Absolute: Top Left)
- Content Area (Fill)
  - Header (Horizontal)
    - Title (Fill)
    - Price (Hug)
  - Description (Fixed)
  - Actions (Horizontal)
    - Add to Cart (Fill)
```

```
    - Quick View (Hug)

Responsive Behavior:
- Card width: Fill container
- Min width: 280px
- Max width: 400px
```
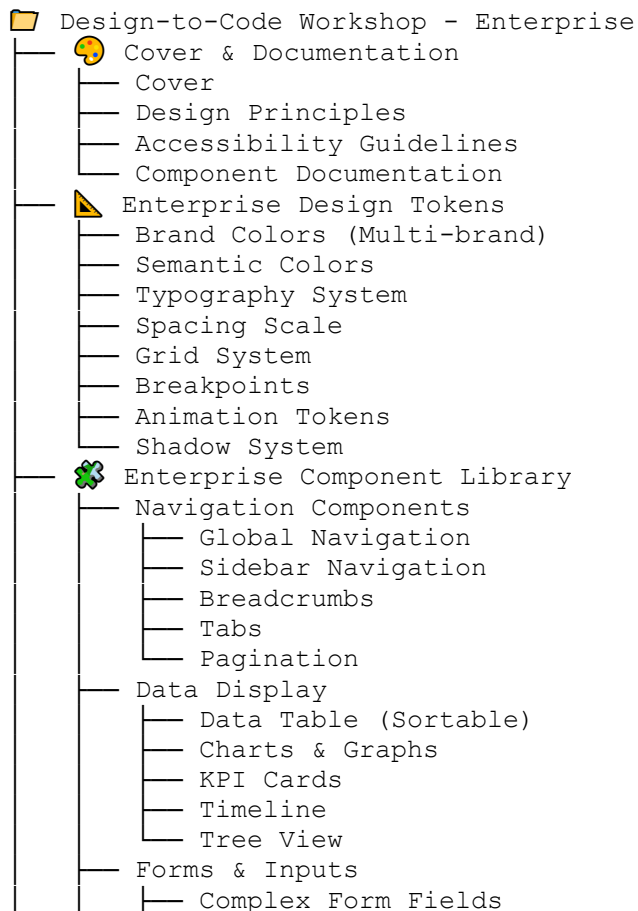
Form System:
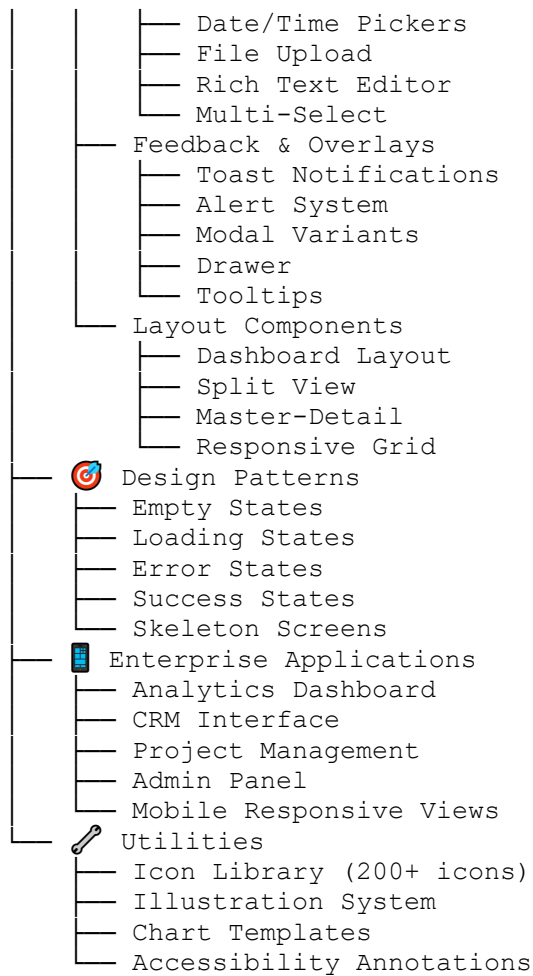
- Complete form validation states
- Inline error messages
- Character counters
- Password strength indicators
- Multi-step form components

📕 Template 3: Enterprise Design System

File Name: `Design-to-Code-Workshop-Advanced`

Structure:

```
📁 Design-to-Code Workshop - Enterprise
├── 🎨 Cover & Documentation
│   ├── Cover
│   ├── Design Principles
│   ├── Accessibility Guidelines
│   └── Component Documentation
├── 📐 Enterprise Design Tokens
│   ├── Brand Colors (Multi-brand)
│   ├── Semantic Colors
│   ├── Typography System
│   ├── Spacing Scale
│   ├── Grid System
│   ├── Breakpoints
│   ├── Animation Tokens
│   └── Shadow System
├── 🧩 Enterprise Component Library
│   ├── Navigation Components
│   │   ├── Global Navigation
│   │   ├── Sidebar Navigation
│   │   ├── Breadcrumbs
│   │   ├── Tabs
│   │   └── Pagination
│   ├── Data Display
│   │   ├── Data Table (Sortable)
│   │   ├── Charts & Graphs
│   │   ├── KPI Cards
│   │   ├── Timeline
│   │   └── Tree View
│   ├── Forms & Inputs
│   │   ├── Complex Form Fields
```

```
│         │       ├── Date/Time Pickers
│         │       ├── File Upload
│         │       ├── Rich Text Editor
│         │       └── Multi-Select
│         ├── Feedback & Overlays
│         │       ├── Toast Notifications
│         │       ├── Alert System
│         │       ├── Modal Variants
│         │       ├── Drawer
│         │       └── Tooltips
│         └── Layout Components
│                 ├── Dashboard Layout
│                 ├── Split View
│                 ├── Master-Detail
│                 └── Responsive Grid
├── 🎯 Design Patterns
│       ├── Empty States
│       ├── Loading States
│       ├── Error States
│       ├── Success States
│       └── Skeleton Screens
├── 📱 Enterprise Applications
│       ├── Analytics Dashboard
│       ├── CRM Interface
│       ├── Project Management
│       ├── Admin Panel
│       └── Mobile Responsive Views
└── 🔧 Utilities
        ├── Icon Library (200+ icons)
        ├── Illustration System
        ├── Chart Templates
        └── Accessibility Annotations
```

Enterprise Features:

Data Table Component:

```
Features:
- Sortable columns
- Filterable data
- Pagination
- Row selection
- Bulk actions
- Column resizing
- Responsive behavior
- Export functionality

Structure:
- Table Header
  - Search
  - Filters
  - Bulk Actions
- Table Body
  - Headers (Sortable)
  - Rows (Selectable)
```

```
      - Cells (Editable)
- Table Footer
  - Pagination
  - Items per page
  - Total count
```

Dashboard Layout:

```
Structure:
- Top Navigation (Fixed)
  - Logo
  - Search
  - Notifications
  - User Menu
- Sidebar (Collapsible)
  - Primary Navigation
  - Secondary Navigation
  - User Settings
- Main Content Area
  - Page Header
  - Breadcrumbs
  - Content Grid
  - Action Buttons
```

Multi-Brand Support:

```
Brand Tokens:
- Brand A (Blue theme)
- Brand B (Green theme)
- Brand C (Purple theme)

Each brand includes:
- Primary colors
- Secondary colors
- Typography adjustments
- Logo variations
```

🛠️ Figma Setup Instructions

For All Templates:

1. **File Organization:**
   o Use clear page naming
   o Group related components
   o Add descriptive labels
2. **Component Setup:**
   o Use Auto Layout everywhere
   o Set up proper constraints
   o Add interactive components
   o Include all variants
3. **Design Tokens:**

- o Create color styles
- o Set up text styles
- o Define effect styles
- o Create spacing variables
4. **Documentation:**
   - o Add component descriptions
   - o Include usage guidelines
   - o Note accessibility requirements
   - o Provide code hints
5. **Dev Mode Optimization:**
   - o Name layers semantically
   - o Use consistent structure
   - o Add code snippets
   - o Include CSS properties

Recommended Plugins:

- **Figma Tokens**: For design token management
- **Able**: For accessibility checking
- **Lorem Ipsum**: For placeholder content
- **Unsplash**: For placeholder images
- **Icons8**: For icon assets

📝 Usage in Workshop

Basic Template Usage:

- Module 1-2: Button and Card components
- Module 3: Landing page assembly
- Practice: Create variations

Intermediate Template Usage:

- Module 3: Advanced Auto Layout
- Module 4: Component library creation
- Practice: Build responsive layouts

Advanced Template Usage:

- Module 5-8: Enterprise implementations
- AI Analysis: Complex component detection
- Practice: Multi-repository sync

Each template progressively builds upon the previous, ensuring learners can follow along at their skill level while having reference implementations for all exercises in the workshop.