

# readme.md for @social.io/catalog

A modern, beautifully designed UI component library for building conversational interfaces and support chat experiences. Built with Lit Element and TypeScript.

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## ☐ Features

- **Complete Chat UI** - Ready-to-use conversation components with message threads, typing indicators, and attachments
- **Floating Action Button** - Eye-catching FAB with smooth animations for triggering the chat interface
- **PDF Viewer** - Built-in PDF rendering with zoom, pagination, and download capabilities
- **Image Lightbox** - Full-featured lightbox with zoom, pan, and keyboard navigation
- **Modern Design Tokens** - Consistent styling with customizable colors, spacing, typography, and shadows
- **Dark Mode Ready** - Full light/dark theme support out of the box
- **Accessibility** - Keyboard navigation and proper ARIA attributes
- **TypeScript First** - Full type definitions for all components

## ☐ Installation

```
npm install @social.io/catalog  
# or
```

```
pnpm add @social.io/catalog
```

## Quick Start

```
import { SioFab, SioCombox } from '@social.io/catalog';

// Components auto-register as custom elements
// Just use them in your HTML:
```

```
<!-- Floating Action Button that opens the chat -->
<sio-fab></sio-fab>

<!-- Or use the full chat box directly -->
<sio-combox></sio-combox>
```

## Components

### Core Components

Component	Description
<code>&lt;sio-fab&gt;</code>	Floating action button with animated chat icon
<code>&lt;sio-combox&gt;</code>	Complete chat interface with conversation list and message view
<code>&lt;sio-button&gt;</code>	Styled button with variants (primary, secondary, destructive, outline, ghost)
<code>&lt;sio-icon&gt;</code>	Lucide icon wrapper with size and color customization
<code>&lt;sio-dropdown-menu&gt;</code>	Animated dropdown menu with keyboard support

### Conversation Components

Component	Description
<code>&lt;sio-conversation-selector&gt;</code>	Searchable list of conversations with unread indicators

Component	Description
<code>&lt;sio-conversation-view&gt;</code>	Message thread with typing indicators and file attachments
<code>&lt;sio-message-input&gt;</code>	Auto-expanding textarea with file upload

## Media Components

Component	Description
<code>&lt;sio-image-lightbox&gt;</code>	Fullscreen image viewer with zoom and pan
<code>&lt;sio-pdf-viewer&gt;</code>	PDF renderer with page navigation and zoom controls

## Utility Components

Component	Description
<code>&lt;sio-recorder&gt;</code>	Session recording using rrweb

## ☐ Styling & Theming

The library uses CSS custom properties for theming. The design system includes:

- **Colors** - Primary, secondary, accent, destructive, muted, and semantic colors
- **Typography** - System font stack with size and weight variants
- **Spacing** - Consistent spacing scale (0.5rem increments)
- **Radius** - Border radius tokens from sm to full
- **Shadows** - Elevation system from sm to 2xl
- **Transitions** - Smooth animation presets

## Dark Mode

Dark mode is automatically supported. The components use `bdTheme()` helper that switches between light and dark values:

```
import { bdTheme } from '@social.io/catalog';

// Usage in styles
```

```
css`
  background: ${bdTheme('hsl(0 0% 100%)', 'hsl(0 0% 10%)')};
`
```

## Usage Examples

### Basic Chat FAB

```
<sio-fab></sio-fab>
```

The FAB opens a complete chat interface when clicked. It includes:

- Keyboard shortcut (Ctrl+S) to toggle
- Smooth scale and pulse animations
- Gradient background with glow effects

### Custom Button Variants

```
<sio-button type="primary">Submit</sio-button>
<sio-button type="destructive">Delete</sio-button>
<sio-button type="outline">Cancel</sio-button>
<sio-button type="ghost" size="sm">
  <sio-icon icon="settings"></sio-icon>
</sio-button>
```

### Image Lightbox

```
const lightbox = document.querySelector('sio-image-lightbox');
lightbox.open({
  url: 'https://example.com/photo.jpg',
  name: 'My Photo',
  size: 1024000
});
```

### PDF Viewer

```
<sio-pdf-viewer
  url="https://example.com/document.pdf"
  fileName="document.pdf"
></sio-pdf-viewer>
```

## Dropdown Menu

```
<sio-dropdown-menu
  .items=${[
    { id: 'edit', label: 'Edit', icon: 'pencil' },
    { id: 'delete', label: 'Delete', icon: 'trash', destructive: true }
  ]}
  @item-selected=${(e) => console.log('Selected:', e.detail.item)}
>
  <sio-button type="ghost">
    <sio-icon icon="more-vertical"></sio-icon>
  </sio-button>
</sio-dropdown-menu>
```

## ☐ Development

```
# Install dependencies
pnpm install

# Start development server with hot reload
pnpm watch

# Run tests
pnpm test

# Build for production
pnpm build
```

## ☐ Dependencies

- **@design.estate/dees-element** - Lit Element base with utilities
- **@design.estate/dees-domtools** - DOM manipulation helpers
- **lucide** - Beautiful open-source icons
- **rrweb** - Session recording/replay (for recorder component)

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