

loomOS Dashboard Structure Reference

Quick File Locations

Core Dashboard Files

Component	File Path	Description
Main Dashboard	app/dashboard/page.tsx	Card carousel, mail app, main UI
Dashboard Layout	app/dashboard/layout.tsx	Top bar, app launcher, search, layout wrapper
Sidebar	components/dashboard/sidebar.tsx	Navigation sidebar (if used)
Global Styles	app/globals.css	Global CSS, design token imports
Tailwind Config	tailwind.config.ts	Tailwind customization, design tokens

Design System Files

File	Purpose
design-tokens/core.css	Base colors, spacing, typography
design-tokens/semantic.css	Semantic color aliases, component tokens
design-tokens/motion.css	Animation timings, easing functions
app/styles/loomos/animations.css	Custom keyframe animations

Component Libraries

Directory	Contents
components/ui/	shadcn/ui components (buttons, cards, dialogs, etc.)
components/webos/	WebOS-style components (desktop, dock, windows)
components/dashboard/	Dashboard-specific components
components/common/	Shared utility components

Dashboard Component Breakdown

1. Main Dashboard (`app/dashboard/page.tsx`)

Structure

```
DashboardPage
├── Card Carousel
│   ├── Navigation Buttons (left/right)
│   ├── Work Orders Stack Card
│   ├── Browser Card
│   ├── Mail Card
│   └── Calendar Card
├── Mail App (when active)
│   ├── Header
│   ├── Folders Sidebar
│   ├── Message List
│   └── Detail Pane
└── Dock
    ├── Home Icon
    ├── Mail Icon
    ├── Chat Icon
    └── Calendar Icon
```

Key Features

- **Card Carousel:** Horizontal scrolling cards with navigation
- **Stack Cards:** Expandable card stacks (e.g., Work Orders with Active/Pending)
- **Single Cards:** Individual app cards (Browser, Mail, Calendar)
- **Full App View:** Mail app expands to full screen
- **Interactive Dock:** Bottom launcher with app shortcuts

Styling Opportunities

- Card colors and backgrounds
- Card sizes and spacing
- Border radius and shadows
- Animation timing and easing
- Typography (font-light is prevalent)
- Icon colors and sizes

- Dock appearance and position

2. Dashboard Layout (`app/dashboard/layout.tsx`)

Structure

```
DashboardLayout
├── SystemStatusBar (Top Bar)
│   ├── Left: loomOS logo + hamburger menu
│   ├── Center: System icons (Mail, Messages, Music, etc.)
│   ├── Right: Clock + User profile dropdown
│   └── Mobile Menu (dropdown)
├── Main Content Area
│   └── {children} (dashboard pages)
├── GlobalSearch (Floating)
│   ├── Search Input
│   ├── Results Dropdown
│   └── Mobile Overlay
└── AppLauncher (Full Screen)
    ├── Search Bar with History
    ├── Tab Navigation
    ├── App Grid (responsive columns)
    └── Pagination
```

Key Features

- **Status Bar:** Always visible top navigation
- **Live Clock:** Updates every second
- **App Launcher:** Full-screen app grid with search
- **Global Search:** Floating search with “JUST TYPE” placeholder
- **Responsive Design:** Mobile hamburger menu, adaptive layouts
- **Profile Dropdown:** User menu with sign out

Styling Opportunities

- Top bar background and height
- Chrome colors (dark UI elements)
- App launcher grid layout
- Search bar design
- Profile dropdown styling
- Icon colors and spacing
- Responsive breakpoints

Design System Variables

Most Used Colors

```
/* Backgrounds */
--semantic-bg-muted: Light background
--semantic-bg-subtle: Slightly darker background
--bg-surface: Card surface
--bg-elevated: Elevated elements

/* Text */
--semantic-text-primary: Main text
--semantic-text-secondary: Secondary text
--semantic-text-tertiary: Muted text

/* Chrome (Dark UI) */
--chrome-darker: Very dark chrome
--chrome-dark: Dark chrome
--chrome-medium: Medium chrome
--chrome-text: Text on chrome
--chrome-text-secondary: Secondary text on chrome

/* Glass Effects */
--glass-white-80: 80% white overlay
--glass-white-60: 60% white overlay
--glass-black-95: 95% black overlay
--glass-black-60: 60% black overlay
--glass-border-light: Light glass border

/* Accent Colors */
--accent-blue: Primary accent
--accent-blue-light: Light accent
--status-success: Green
--status-error: Red
--status-warning: Yellow
```

Most Used Spacing

```
--space-xs: 4px
--space-sm: 8px
--space-md: 12px
--space-base: 16px
--space-lg: 24px
--space-xl: 32px
--space-2xl: 48px
```

Most Used Shadows

```
--shadow-card: Card shadow
--shadow-card-hover: Card hover shadow
--shadow-modal: Modal/dropdown shadow
--shadow-navbar: Navigation shadow
--shadow-dock: Dock shadow
```

Most Used Radius

```
--radius-sm: 4px
--radius-base: 6px
--radius-md: 8px
--radius-lg: 12px
--radius-xl: 16px
--radius-2xl: 20px
--radius-3xl: 24px
```



Current Layout Measurements

Card Carousel

- Card width: 400px
- Card height: 300px
- Card spacing: 400px (translateX)
- Navigation button size: 48px (w-12 h-12)
- Border radius: 24px

Status Bar

- Height: 48px (h-12)
- Padding: 0 24px (px-6)
- Border: 1px solid var(--glass-border-light)

Dock

- Bottom offset: 16px (bottom-4)
- Padding: 24px 24px (px-6 py-3)
- Icon size: 48px (w-12 h-12)
- Icon gap: 16px (gap-4)
- Border radius: 16px (rounded-2xl)

App Launcher

- Grid columns: 6-7 (responsive)
- App icon size: 64px (w-16 h-16)
- Grid gap: 24px (gap-6)
- Search bar padding: 24px (px-6)

Component Patterns

Card Pattern

```
<div
  className="relative transition-all duration-500"
  style={{
    width: '400px',
    height: '300px',
    backgroundColor: color,
    borderRadius: '24px',
    boxShadow: '0 8px 32px rgba(0,0,0,0.15)',
    border: '1px solid rgba(255, 255, 255, 0.3)',
  }}
>
```

Button Pattern

```
<button
  className="hover:bg-white/10 p-2 rounded-lg transition-all duration-200"
  style={{ minWidth: '44px', minHeight: '44px' }}
>
```

Glass Pattern

```
<div
  style={{
    backgroundColor: 'var(--glass-white-60)',
    backdropFilter: 'blur(12px)',
    border: '1px solid rgba(255, 255, 255, 0.3)',
    boxShadow: '0 8px 32px rgba(0,0,0,0.15)'
  }}
>
```

Text Pattern

```
<div
  className="text-base font-light"
  style={{ color: 'var(--semantic-text-primary)' }}
>
```

Animation Timings

Transitions

- **Fast:** 100ms - Small state changes
- **Normal:** 150ms - Default transitions
- **Moderate:** 200ms - Button hovers
- **Slow:** 300ms - Larger movements
- **Slower:** 400ms - Complex animations
- **Slowest:** 500ms - Page transitions

Card Animations

- **Card transition:** 500ms ease-out
- **Card zoom:** 350ms cubic-bezier(0.42, 0, 0.58, 1)
- **Card dismiss:** 400ms cubic-bezier(0.42, 0, 1, 1)
- **Fade in:** 200ms ease-out

Responsive Breakpoints

Breakpoint	Width	Common Use
Base (Mobile)	< 640px	Single column, stacked layout
sm	640px+	Mobile landscape, 2 columns
md	768px+	Tablet portrait, 3 columns
lg	1024px+	Desktop, 4-6 columns, show more UI
xl	1280px+	Large desktop, 7+ columns
2xl	1536px+	Extra large, maximum features

Color Usage Map

Dashboard Background

- Main background: `linear-gradient(135deg, var(--semantic-bg-muted) 0%, var(--semantic-bg-subtle) 50%, var(--semantic-bg-muted) 100%)`

Card Backgrounds (Current)

1. Work Orders: `#f0f8e8` (light green)
2. Browser: `var(--semantic-surface-base)` (white/neutral)
3. Mail: `#f8f8f8` (light gray)
4. Calendar: `var(--semantic-surface-base)` (white/neutral)

Dock Icon Backgrounds

1. Home: `#7a9eb5` (blue)
2. Mail: `#b58a7a` (brown)
3. Chat: `#8ab57a` (green)
4. Calendar: `#b5a07a` (tan)

Status Bar

- Background: `var(--chrome-darker)` (very dark)
- Text: `var(--chrome-text)` (light)
- Border: `var(--glass-border-light)`

Quick Search Guide

Finding Specific Elements

Colors:

```
grep -r "#7a9eb5" app/ components/  
grep -r "var(--chrome-darker)" app/ components/
```

Components:

```
grep -r "StatusBar" app/ components/  
grep -r "Card Carousel" app/
```

Styles:

```
grep -r "fontSize" app/dashboard/  
grep -r "borderRadius" components/ui/
```

Styling Checklist

When modifying the dashboard, consider:

- ☐ Color harmony across all cards
- ☐ Consistent border radius
- ☐ Shadow depth hierarchy
- ☐ Text contrast ratios (WCAG AA minimum)
- ☐ Animation smoothness
- ☐ Mobile responsiveness
- ☐ Dark mode compatibility (if implementing)
- ☐ Icon consistency
- ☐ Spacing rhythm (4px, 8px, 12px, 16px, 24px, etc.)
- ☐ Typography hierarchy
- ☐ Focus states for accessibility
- ☐ Hover states
- ☐ Active/pressed states

Animation Reference

Card Animations

```
/* Zoom In */
@keyframes card-zoom-in {
  from { transform: scale(0.25) translateY(50%); opacity: 0.8; }
  to { transform: scale(1) translateY(0); opacity: 1; }
}

/* Dismiss */
@keyframes card-dismiss {
  0% { transform: translateY(0) scale(1); opacity: 1; }
  100% { transform: translateY(-100vh) scale(0.9); opacity: 0; }
}
```

Common Easings

- `ease-out` : Fast start, slow end
- `ease-in-out` : Slow start and end
- `cubic-bezier(0.42, 0, 0.58, 1)` : Smooth acceleration
- `cubic-bezier(0.34, 1.56, 0.64, 1)` : Bounce effect

Design Philosophy

The loomOS dashboard follows these principles:

1. **Light & Airy**: Font-light typography, generous whitespace
 2. **Glass & Depth**: Frosted glass effects, layered shadows
 3. **Smooth Motion**: Fluid animations, natural easing
 4. **Neutral Palette**: Soft colors, high contrast text
 5. **Card-Based**: Everything is a card or window
 6. **Touch-Friendly**: 44px minimum touch targets
 7. **Responsive**: Mobile-first, progressive enhancement
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Quick Reference: Keep this document open while styling for easy lookups!