Professional MSP Application Design System

Color Palette & Theme

Primary Dark Theme Colors

```css
css

/* Background Colors */
--bg-primary: #0f172a      /* Main background */
--bg-secondary: #1e293b    /* Cards, sidebar */
--bg-tertiary: #334155     /* Input fields, secondary elements */
--bg-accent: #475569       /* Hover states, disabled elements */


/* Text Colors */
--text-primary: #e2e8f0    /* Main headings, important text */
--text-secondary: #cbd5e1  /* Body text, descriptions */
--text-muted: #94a3b8      /* Labels, timestamps, placeholders */


/* Border Colors */
--border-light: #334155    /* Main borders */
--border-medium: #475569   /* Input borders, dividers */


/* Accent Colors */
--accent-blue: #3b82f6     /* Primary actions, active states */
--accent-green: #10b981    /* Success, positive metrics */
--accent-yellow: #fbbf24   /* Warnings, moderate states */
--accent-red: #ef4444      /* Errors, critical alerts */
--accent-purple: #8b5cf6   /* AI features, special highlights */
```

Status Color System

```css
/* Available/Good Status */
--status-good-bg: rgba(34, 197, 94, 0.2)
--status-good-text: #86efac
--status-good-border: rgba(34, 197, 94, 0.3)

/* Moderate/Warning Status */
--status-warning-bg: rgba(251, 191, 36, 0.2)
--status-warning-text: #fde047
--status-warning-border: rgba(251, 191, 36, 0.3)

/* Busy/Error Status */
--status-error-bg: rgba(239, 68, 68, 0.2)
--status-error-text: #fca5a5
--status-error-border: rgba(239, 68, 68, 0.3)
```

Typography Scale

Font Families

```css
--font-primary: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', sans-serif
```

Font Sizes (Updated Scale)

```css
--text-xs: 11px      /* Small Labels, tags */
--text-sm: 12px      /* Secondary Labels */
--text-base: 14px    /* Body text */
--text-md: 15px      /* Buttons, nav items */
--text-lg: 16px      /* Section headers */
--text-xl: 17px      /* Page titles */
--text-2xl: 19px     /* Card titles */
--text-3xl: 25px     /* Main headings */
```

Font Weights

```css
--font-normal: 400
--font-medium: 500
--font-semibold: 600
--font-bold: 700
```

Layout System

Spacing Scale

```css
--space-1: 4px
--space-2: 8px
--space-3: 12px
--space-4: 16px
--space-5: 20px
--space-6: 24px
--space-8: 32px
--space-10: 40px
```

Border Radius

```css
--radius-sm: 8px      /* Small elements */
--radius-md: 12px     /* Cards, buttons */
--radius-lg: 16px     /* Large cards */
--radius-full: 9999px /* Pills, badges */
```

Shadows

```css
--shadow-sm: 0 1px 2px rgba(0, 0, 0, 0.1)
--shadow-md: 0 4px 12px rgba(0, 0, 0, 0.15)
--shadow-lg: 0 8px 24px rgba(0, 0, 0, 0.2)
--shadow-blue: 0 4px 12px rgba(59, 130, 246, 0.3)
```

Component Styles

Header Component

css

```css
.header {
  background-color: var(--bg-secondary);
  padding: 12px 20px;
  border-bottom: 1px solid var(--border-light);
  position: sticky;
  top: 0;
  z-index: 100;
}

.header-content {
  display: flex;
  justify-content: space-between;
  align-items: center;
}

.logo {
  font-size: var(--text-xl);
  font-weight: var(--font-bold);
  color: var(--text-primary);
}
```

Sidebar Navigation

CSS

```css
.sidebar {
  width: 280px;
  background-color: var(--bg-secondary);
  border-right: 1px solid var(--border-light);
  padding: var(--space-6);
  height: 100vh;
  overflow-y: auto;
}

.nav-item {
  padding: var(--space-4);
  margin-bottom: var(--space-2);
  border-radius: var(--radius-md);
  color: var(--text-secondary);
  font-size: var(--text-md);
  cursor: pointer;
  transition: all 0.2s ease;
  display: flex;
  align-items: center;
  gap: var(--space-4);
}

.nav-item:hover {
  background-color: var(--bg-tertiary);
}

.nav-item.active {
  background-color: var(--accent-blue);
  color: white;
  box-shadow: var(--shadow-blue);
}
```

Card Components

css

```css
.card {
  background-color: var(--bg-secondary);
  border-radius: var(--radius-lg);
  border: 1px solid var(--border-light);
  box-shadow: var(--shadow-md);
  overflow: hidden;
}

.card-header {
  padding: var(--space-5);
  border-bottom: 1px solid var(--border-light);
  font-size: var(--text-lg);
  font-weight: var(--font-semibold);
  color: var(--text-primary);
  display: flex;
  align-items: center;
}

.card-content {
  padding: var(--space-5);
}
```

Button System

```css
.btn {
  padding: 12px 20px;
  border: 1px solid var(--border-medium);
  border-radius: var(--radius-md);
  background-color: var(--bg-tertiary);
  color: var(--text-primary);
  font-size: var(--text-md);
  font-weight: var(--font-medium);
  cursor: pointer;
  transition: all 0.2s ease;
  display: inline-flex;
  align-items: center;
  justify-content: center;
  gap: var(--space-2);
}

.btn:hover {
  background-color: var(--bg-accent);
  transform: translateY(-1px);
}

.btn-primary {
  background-color: var(--accent-blue);
  border-color: var(--accent-blue);
  color: white;
}

.btn-success {
  background-color: var(--accent-green);
  border-color: var(--accent-green);
  color: white;
}

.btn-warning {
  background-color: var(--accent-yellow);
  border-color: var(--accent-yellow);
  color: var(--bg-primary);
}

.btn-danger {
  background-color: var(--accent-red);
  border-color: var(--accent-red);
  color: white;
}
```

Status Badges

```css
.badge {
  padding: 6px 12px;
  border-radius: var(--radius-full);
  font-size: var(--text-xs);
  font-weight: var(--font-semibold);
  text-transform: uppercase;
  letter-spacing: 0.025em;
}

.badge-success {
  background-color: var(--status-good-bg);
  color: var(--status-good-text);
  border: 1px solid var(--status-good-border);
}

.badge-warning {
  background-color: var(--status-warning-bg);
  color: var(--status-warning-text);
  border: 1px solid var(--status-warning-border);
}

.badge-error {
  background-color: var(--status-error-bg);
  color: var(--status-error-text);
  border: 1px solid var(--status-error-border);
}
```

Metric Cards

CSS

```css
.metric-card {
  background-color: var(--bg-secondary);
  padding: var(--space-5) var(--space-4);
  border-radius: var(--radius-lg);
  border: 1px solid var(--border-light);
  text-align: center;
  transition: transform 0.2s ease, box-shadow 0.2s ease;
  cursor: pointer;
}

.metric-card:hover {
  transform: translateY(-2px);
  box-shadow: var(--shadow-lg);
}

.metric-value {
  font-size: var(--text-3xl);
  font-weight: var(--font-bold);
  color: var(--text-primary);
  margin-bottom: var(--space-1);
}

.metric-label {
  font-size: var(--text-xs);
  color: var(--text-muted);
  text-transform: uppercase;
  font-weight: var(--font-semibold);
  letter-spacing: 0.05em;
}
```

Animation & Transitions

Standard Transitions

css

```css
.smooth-transition {
  transition: all 0.2s cubic-bezier(0.4, 0, 0.2, 1);
}

.hover-lift:hover {
  transform: translateY(-2px);
  box-shadow: var(--shadow-lg);
}

.scale-on-hover:hover {
  transform: scale(1.02);
}
```

Loading States

css

```css
.loading-shimmer {
  background: linear-gradient(90deg, var(--bg-tertiary) 25%, var(--bg-accent) 50%, var(--bg-ter
  background-size: 200% 100%;
  animation: shimmer 1.5s infinite;
}

@keyframes shimmer {
  0% { background-position: -200% 0; }
  100% { background-position: 200% 0; }
}
```

Grid Systems

Responsive Grids

```css
.grid-auto-fit {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
  gap: var(--space-6);
}

.grid-metrics {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(160px, 1fr));
  gap: var(--space-4);
}

.grid-two-column {
  display: grid;
  grid-template-columns: 1fr 1fr;
  gap: var(--space-6);
}
```

Best Practices

1. Consistent Spacing

- Use the spacing scale consistently
- Maintain 24px gaps between major sections
- Use 16px padding for most card content

2. Color Usage

- Primary blue (🔵 #3b82f6) for main actions only
- Green for positive/success states
- Yellow/amber for warnings
- Red for errors/critical states
- Purple for AI/special features

3. Typography Hierarchy

- Use font weights to establish hierarchy
- Limit to 3-4 font sizes per screen
- Maintain consistent line heights (1.4-1.6)

4. Interactive Elements

- All clickable elements should have hover states

- Use subtle animations (0.2s duration)

- Provide visual feedback for all interactions

5. Information Density

- Don't overcrowd interfaces

- Use white space effectively

- Group related information in cards

Implementation Example (React/CSS)

```jsx
// Theme provider setup
const theme = {
  colors: {
    bg: {
      primary: '#0f172a',
      secondary: '#1e293b',
      tertiary: '#334155'
    },
    text: {
      primary: '#e2e8f0',
      secondary: '#cbd5e1',
      muted: '#94a3b8'
    },
    accent: {
      blue: '#3b82f6',
      green: '#10b981',
      yellow: '#fbbf24',
      red: '#ef4444'
    }
  },
  spacing: {
    1: '4px',
    2: '8px',
    3: '12px',
    4: '16px',
    5: '20px',
    6: '24px'
  }
}

// Usage in components
const Card = styled.div`
  background-color: ${props => props.theme.colors.bg.secondary};
  border-radius: 16px;
  border: 1px solid ${props => props.theme.colors.bg.tertiary};
  padding: ${props => props.theme.spacing[5]};
`;
```

This design system ensures consistency, professionalism, and scalability across your manager application. The key is maintaining the established patterns while adapting them to your specific use case.