News Marketplace – Iconography Guide

Icon System Overview

The News Marketplace iconography system uses a consistent, professional approach with outline-style icons that maintain clarity across all interface sizes and contexts.

Icon Style Specifications

Visual Style

- **Type**: Outline icons with minimal fill usage
- **Stroke Width**: 2px (1.5px for small icons)
- **Corner Style**: Rounded caps and joins
- **Corner Radius**: 2px for rectangular elements
- **Grid System**: 24px base grid with 2px padding
- **Optical Alignment**: Icons aligned to pixel grid for crisp rendering

Icon Sizes and Usage

Size Hierarchy

Extra Small: 12px × 12px
- Usage: Inline indicators, status badges
- Stroke Width: 1.5px
- Context: Form validation, micro-interactions

Small: 16px × 16px
- Usage: Inline with text, form inputs, table cells
- Stroke Width: 1.5px
- Context: Input field icons, list item indicators

Medium: 24px × 24px (Base Size)
- Usage: Buttons, navigation, toolbars
- Stroke Width: 2px
- Context: Primary navigation, action buttons

Large: 32px × 32px
- Usage: Feature highlights, section headers
- Stroke Width: 2px
- Context: Dashboard cards, feature introductions

Extra Large: 48px × 48px
- Usage: Empty states, hero sections, major actions
- Stroke Width: 2.5px
- Context: Onboarding, error states, primary CTAs

Icon Categories and Library

Navigation Icons

Home: house outline
Dashboard: grid-3x3 outline
Search: magnifying-glass outline
Menu: bars-3 outline
Close: x-mark outline
Back: arrow-left outline
Forward: arrow-right outline
Up: chevron-up outline
Down: chevron-down outline

Action Icons

Add/Create: plus outline
Edit: pencil outline
Delete: trash outline
Save: bookmark outline
Share: share outline
Download: arrow-down-tray outline
Upload: arrow-up-tray outline
Copy: document-duplicate outline
Print: printer outline
Refresh: arrow-path outline

Content Icons

Article: document-text outline
Image: photo outline
Video: play-circle outline
Audio: speaker-wave outline
File: document outline
Link: link outline
Tag: tag outline
Category: folder outline
Archive: archive-box outline

User & Account Icons

User: user outline
Profile: user-circle outline
Settings: cog-6-tooth outline
Login: arrow-right-on-rectangle outline
Logout: arrow-left-on-rectangle outline
Security: shield-check outline
Notifications: bell outline
Messages: chat-bubble-left outline

Status & Feedback Icons

Success: check-circle (filled with green)
Warning: exclamation-triangle (filled with orange)
Error: x-circle (filled with red)
Info: information-circle (filled with blue)
Loading: arrow-path (animated)
Pending: clock outline
Draft: document-minus outline
Published: check-badge (filled with green)

Social Media Icons

Facebook: Custom brand icon
Twitter/X: Custom brand icon
LinkedIn: Custom brand icon
Instagram: Custom brand icon
WhatsApp: Custom brand icon
Telegram: Custom brand icon
YouTube: Custom brand icon

Publication & Media Icons

Newspaper: newspaper outline
Radio: radio outline
Television: tv outline
Podcast: microphone outline
Blog: pencil-square outline
Press Release: megaphone outline
Magazine: book-open outline

Icon Implementation

Icon Component Structure

```html
<!-- Standard Icon Component -->
<svg class="icon icon--medium" viewBox="0 0 24 24" fill="none" stroke="cu
  <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d=
</svg>

<!-- Icon with Semantic Meaning -->
<svg class="icon icon--success" viewBox="0 0 24 24" fill="currentColor">
  <path d="..."/>
</svg>
```

CSS Icon Classes

```css
.icon {
  display: inline-block;
  vertical-align: middle;
  flex-shrink: 0;
}

/* Size Variants */
.icon--xs { width: 12px; height: 12px; }
.icon--sm { width: 16px; height: 16px; }
.icon--md { width: 24px; height: 24px; }
.icon--lg { width: 32px; height: 32px; }
.icon--xl { width: 48px; height: 48px; }

/* Semantic Colors */
.icon--primary { color: var(--color-primary); }
.icon--success { color: var(--color-success); }
.icon--warning { color: var(--color-warning); }
.icon--error { color: var(--color-error); }
.icon--muted { color: var(--color-text-secondary); }
```

React Icon Component

```jsx
import React from 'react';

const Icon = ({
  name,
  size = 'md',
  color = 'current',
  className = '',
  ...props
}) => {
  const sizeMap = {
    xs: 12, sm: 16, md: 24, lg: 32, xl: 48
  };

  return (
    <svg
      className={`icon icon--${size} ${className}`}
      width={sizeMap[size]}
      height={sizeMap[size]}
      viewBox="0 0 24 24"
      fill="none"
      stroke="currentColor"
      style={{ color: color !== 'current' ? `var(--color-${color})` : undefined
      {...props}
    >
      {/* Icon path content */}
    </svg>
  );
};

// Usage Examples
<Icon name="home" size="md" />
<Icon name="check-circle" color="success" />
<Icon name="user" size="lg" className="profile-icon" />
```

Icon Usage Guidelines

Contextual Usage

Buttons

- Use 16px icons with small buttons
- Use 24px icons with standard buttons
- Use 32px icons with large buttons
- Maintain 8px spacing between icon and text
- Position icons to the left of text (RTL: right)

Navigation

- Use 24px icons for main navigation items
- Use 16px icons for secondary navigation
- Ensure icons align with text baseline
- Provide adequate touch targets (44px minimum)

Form Elements

- Use 16px icons inside input fields
- Use 20px icons for field labels
- Position validation icons to the right of inputs
- Use semantic colors for status icons

Data Tables

- Use 16px icons for row actions
- Use 20px icons for column headers
- Maintain consistent alignment within cells
- Group related actions with consistent spacing

Accessibility Guidelines

Screen Reader Support

```
<!-- Decorative Icon (hidden from screen readers) -->
<svg aria-hidden="true" class="icon">...</svg>

<!-- Informative Icon (with accessible label) -->
<svg aria-label="Success" class="icon icon--success">...</svg>

<!-- Interactive Icon (with accessible name) -->
<button aria-label="Delete article">
  <svg aria-hidden="true" class="icon">...</svg>
</button>
```

Color and Contrast

- Don't rely on color alone to convey meaning
- Ensure sufficient contrast for icon outlines
- Provide alternative text or labels for important icons
- Use consistent semantic color associations

Focus States

- Ensure interactive icons have visible focus indicators
- Maintain adequate focus ring contrast
- Use consistent focus styling across all icon buttons

Icon Animation Guidelines

Subtle Animations

```css
/* Hover Effects */
.icon-button:hover .icon {
  transform: scale(1.1);
  transition: transform 0.2s ease;
}

/* Loading Animation */
.icon--loading {
  animation: spin 1s linear infinite;
}

@keyframes spin {
  from { transform: rotate(0deg); }
  to { transform: rotate(360deg); }
}

/* Success Animation */
.icon--success {
  animation: checkmark 0.3s ease-in-out;
}

@keyframes checkmark {
  0% { transform: scale(0); }
  50% { transform: scale(1.2); }
  100% { transform: scale(1); }
}
```

Performance Considerations

- Use CSS transforms instead of changing properties
- Limit animations to hover and focus states
- Avoid continuous animations unless necessary (loading states)
- Respect prefers-reduced-motion user preference

Icon Library Sources

Primary Icon Library: Heroicons

- **Outline Icons**: Complete set of 2px stroke icons
- **Solid Icons**: Filled variants for emphasis
- **Mini Icons**: 20px variants for compact layouts
- **License**: MIT License
- **CDN**: Available via CDN for quick implementation

Custom Icons

- **Brand Icons**: Custom designed for News Marketplace
- **Publication Type Icons**: Newspaper, radio, TV, digital
- **Status Indicators**: Article states, user roles
- **File Type Icons**: PDF, DOC, image formats

Social Media Icons

- **Official Brand Guidelines**: Follow each platform's brand guidelines
- **Consistent Styling**: Adapt to match system stroke width
- **Fallback Options**: Text labels for accessibility

Quality Assurance Checklist

Design Consistency

- [ ] All icons use consistent stroke width
- [ ] Corner radius matches system standards
- [ ] Icons align to pixel grid
- [ ] Optical sizing is balanced across different sizes

Technical Implementation

- [ ] SVG markup is optimized and clean
- [ ] Icons scale properly at all sizes
- [ ] Color inheritance works correctly
- [ ] Focus states are properly implemented

Accessibility Compliance

- [ ] Appropriate ARIA labels are provided
- [ ] Color contrast meets WCAG standards
- [ ] Icons work with screen readers
- [ ] Touch targets meet minimum size requirements

This iconography system ensures visual consistency, accessibility compliance, and optimal user experience across the entire News Marketplace platform.