Miral Dub AI

Creative tool. Make the world.

Brand Overview

Why is it critical language form through magical AI technology, empowering creators to cast global audiences instantly.

- **Magical Intuition**
  Feel like casting a spell, not operating a machine. Tools are an extension of creative intent.
- **Universal Tool**
  Remove barriers. Democratizing AI technology and making it accessible to a wider creative audience.

- **Voice**
  Our voice is a creative partner and enthusiastic. It uses clear and accessible language.
- **Vibe & Mood**
  The overall feeling is one of wonder, creativity, and a touch of the mystic.
  - Evoking a sense of magic in the creative process, making it feel effortless.
- **Empowering**
  We want users to feel empowered, as if they are the ultimate creators, with our tools as their magic wand.
  - "Your Voice, Elevated Magical AI. Universal Creative Technology Unleashed."
- **Accessible**
  While the technology is powerful, the language should be inclusive and welcoming, not intimidating.
  - Focus on the core benefit: the ease and speed with which users can bring their creative vision to life.
- **Aspirational**
  The language should inspire users to think about the boundless possibilities of what they can create.
  - Phrases like "unleash your creativity" or "the future of creation" can be effective.

Tone by Context
The tone may adjust slightly depending on the context.

- **Onboarding** — Welcoming & Inspiring
  - Focus on the magic and the boundless possibilities.
- **Product Feature Announcement** — Clear and Exciting, with a hint of mystery
  - Highlight the new magic available to the user.
- **Promotional Blog Post** — Inspirational & Educational
  - Tell a story about what users can create with the new tools.
- **Technical Support Content** — Clear, Helpful, Patient, but still with a touch of magic
  - Even in a technical context, the language should be supportive and encouraging.

Successful Completion — Celebratory & Empowering
When a user successfully completes a task, the language should celebrate their achievement.

- **Visual Mention** — Celebratory & Inspiring
  - Example: "Your masterpiece is ready! The world is your canvas."
- **Text Mention** — Celebratory & Encouraging
  - Example: "Your creation has been successfully created! Time to share the magic."

Error Messages — Helpful & Reassuring
When an error occurs, the language should be clear, helpful, and not blame the user.

- **Example:** "Oops, something seems to be out of sync. Let's try that again."

Design Principles

Magic in Simplicity
- Complex tasks should feel effortless. The capabilities to wield
- Hide technical complexity. Focus on outcomes.
- Offer advanced capabilities (keyboard shortcuts, customizable workflows) for power users, but keep the core experience simple and intuitive.
- Implement sensible defaults and smart suggestions.

Mobile-First, Always
- Design for touch first, then adapt for mouse and keyboard.
- Ensure touch targets are large enough for accurate tapping.
- Optimize interface elements for one-handed operation.
- Consider thumb reachability.
- Test thoroughly on real mobile devices.

Strong, Quick Feedback
- Provide immediate acknowledgment for every user action.
- Use visual transitions and subtle animations to guide attention and show relationships between elements.
- Ensure feedback is clear, concise, and relevant to the action taken.
- Avoid overwhelming the user with excessive feedback.

Trust Through Transparency
- Clearly indicate when AI is being used.
- Provide explanations for AI-generated suggestions.
- Give users control over AI features (allow them to disable or modify AI-generated content).
- Implement robust error handling and provide helpful error messages.
- Ensure data privacy and security are paramount.

Delight in Details
- Subtle animations can make the interface more engaging.
- Micro-interactions provide visual feedback.
- Consider adding easter eggs or hidden features for discovery.
- Prioritize these details only after ensuring the core functionality is solid and performance is optimized.

Accessibility by Default
- Adhere to WCAG 2.1 AA guidelines at minimum.
- Provide alt text for all images and meaningful descriptions for complex visuals.
- Ensure keyboard navigation is fully supported.
- Test with screen readers.
- Maintain sufficient color contrast.
- Avoid relying on color alone to convey information.
- Provide captions and transcripts for multimedia content.

Writing Guidelines

Do's ✓
- Capitalize Miral Creative Intelligence when it's the "how" when will we use it.
- Use active voice.
- Keep sentences concise and clear.
- Write conversational, but professional.
- Focus on benefits over features.
- Use specific, concrete examples.
- Maintain a consistent tone.
- Use the Oxford comma.

Don'ts ✗
- Don't use jargon or AI terms.
- Don't assume prior knowledge.
- Don't use passive voice.
- Don't make promises we can't keep.

Color System

Our color system is inspired by Wolfmanya's Popular Neo-Vaporwave with blue tones that evoke trust, technology, and global connectivity. This palette balances sophistication with creativity, ensuring a professional foundation for marketing & design teams.

Primary Blues

Based on Wolfmanya's Popular Neo-Vaporwave with blue tones that evoke trust, technology, and global connectivity. This palette balances sophistication with creativity, ensuring a professional foundation for marketing & design teams.

Light Mode

50	100	200	300	400
#F0F7FF	#E0EFFF	#B8DCFF	#7BC4FF	#3BA8FF
240 10% 98%	240 10% 96%	240 10% 92%	240 10% 85%	240 10% 75%

500	600	700	800	900
#0A8FFF	#0066CC	#004C99	#003366	#001A33
240 10% 65%	240 10% 50%	240 10% 40%	240 10% 30%	240 10% 20%

Dark Mode

50	100	200	300	400
#F0F7FF	#E0EFFF	#B8DCFF	#7BC4FF	#3BA8FF
240 10% 98%	240 10% 96%	240 10% 92%	240 10% 85%	240 10% 75%

500	600	700	800	900
#0A8FFF	#0066CC	#004C99	#003366	#001A33
240 10% 65%	240 10% 50%	240 10% 40%	240 10% 30%	240 10% 20%

Grays

Neutral grays for text, borders, and backgrounds, with blue tint.

Light Mode

50	100	200	300	400
#F8FAFC	#F1F5F9	#E2E8F0	#CBD5E1	#94A3B8
210 40% 98%	210 40% 96%	214 32% 91%	213 27% 84%	215 20% 65%

500	600	700	800	900
#64748B	#475569	#334155	#1E293B	#0F172A
215 16% 47%	215 19% 35%	215 25% 27%	217 33% 17%	222 47% 11%

Semantic Colors

Success, warning, error, and info colors for feedback and status.

Success	Warning	Error	Info
#22C55E	#F59E0B	#EF4444	#0A8FFF
142 71% 45%	38 92% 50%	0 84% 60%	240 10% 65%

Usage Rules

- **Primary Blues:** Use for buttons, links, and key UI elements.
  - #Primary-500 (Primary-Primary-Blue): Primary CTA buttons
  - #Primary-600: Hover states
  - #Primary-400 (Primary-Light-Blue): Secondary elements
  - #Primary-700: Active states
  - #Primary-300: Disabled states
  - #Primary-900: Dark mode primary
  - #Primary-100: Light mode backgrounds
  - #Primary-800: Dark mode backgrounds
  - #Primary-200: Borders and dividers
  - #Primary-50: Subtle backgrounds
  - #Primary-400: Accent highlights, focus states
- **Gray Scale:** Use for text, borders, and backgrounds.
  - #Gray-900: Primary text (Light mode)
  - #Gray-800: Secondary text (Light mode)
  - #Gray-700: Tertiary text (Light mode)
  - #Gray-600: Disabled text (Light mode)
  - #Gray-500: Placeholder text (Light mode)
  - #Gray-400: Primary text (Dark mode)
  - #Gray-300: Secondary text (Dark mode)
  - #Gray-200: Tertiary text (Dark mode)
  - #Gray-100: Disabled text (Dark mode)
  - #Gray-50: Borders (Light mode)
  - #Gray-800: Borders (Dark mode)
- **Semantic Colors:** Use for feedback and status indicators.
  - #Success-500: Success messages, positive actions
  - #Success-600: Success hover
  - #Success-100: Success background (Light mode)
  - #Success-900: Success background (Dark mode)
  - #Warning-500: Warnings, caution
  - #Warning-600: Warning hover
  - #Warning-100: Warning background (Light mode)
  - #Warning-900: Warning background (Dark mode)
  - #Error-500: Errors, destructive actions
  - #Error-600: Error hover
  - #Error-100: Error background (Light mode)
  - #Error-900: Error background (Dark mode)
  - #Info-500: Information, neutral notifications
  - #Info-600: Info hover
  - #Info-100: Info background (Light mode)
  - #Info-900: Info background (Dark mode)
- **Gradients:** Use sparingly for emphasis.
  - Primary gradient: #Primary-500 to #Primary-600
  - Subtle gradient: #Primary-50 to #Primary-100
- **Opacity:** Use for overlays and hover states.
  - 10% opacity: Subtle hover states
  - 20% opacity: Focus rings
  - 50% opacity: Overlays
  - 90% opacity: Modal backgrounds

Accessibility Requirements

- **Contrast Ratios**
  - Text on white: #Gray-600 or darker (4.5:1 minimum)
  - Large text: #Gray-500 or darker (3:1 minimum)
  - UI elements: #Primary-500 or darker (3:1 minimum)
  - Focus indicators: #Primary-500 with 2px outline
- **Never rely on color alone to convey information**
  - Use icons with color-coded messages
  - Add text labels to color-coded elements
  - Use patterns or textures alongside color
  - Provide multiple visual cues for state changes
  - Test with colorblind simulators to verify this rule

Typography System

Our typography is clean, modern, and highly readable. Inspired by Claude's approachable yet professional tone, we combine serif for headings (sophistication) with sans-serif for body text (readability). Perfect for creative tools and AI platforms.

Typefaces

Serif
Lora — Elegant serif for headings, creating a warm, human touch. Conveys sophistication and creativity, perfect for a creative tool.
- Weights: 400 (Regular), 500 (Medium), 600 (Semi-Bold), 700 (Bold)
- Use cases: Hero headlines, section headings, feature titles, testimonials, pull quotes, emphasis

Aa Aa Aa Aa
Regular 400 · Medium 500 · Semi-Bold 600 · Bold 700

Sans-serif
Inter — Clean, modern, highly readable. Industry standard for UI. Excellent for long-form content.
- Weights: 300 (Light), 400 (Regular), 500 (Medium), 600 (Semi-Bold), 700 (Bold)
- Use cases: Body text, UI elements, buttons, labels, captions, data, technical content

Aa Aa Aa Aa
Light 300 · Regular 400 · Medium 500 · Semi-Bold 600 · Bold 700

IP Mono / Consolas
Inter — Clean, modern, highly readable. Industry standard for UI. Excellent for long-form content.
- Weights: 300 (Light), 400 (Regular), 500 (Medium), 600 (Semi-Bold), 700 (Bold)
- Use cases: Code blocks, inline code, technical specs, API documentation, data tables

Aa Aa Aa Aa
Light 300 · Regular 400 · Medium 500 · Semi-Bold 600 · Bold 700

Type Scale

Based on a 1.125 ratio (major second) for subtle, harmonious progression. Mobile sizes are slightly smaller for optimal readability on small screens.

Mobile Scale

Text extra large (text-xxl) 36 px / 2.25 rem / 40 px line height / -0.02 em / 700 weight

The quick brown fox jumps over the lazy dog

Text large (text-xl) 30 px / 1.875 rem / 36 px line height / -0.02 em / 700 weight

The quick brown fox jumps over the lazy dog

Text medium (text-lg) 24 px / 1.5 rem / 32 px line height / -0.01 em / 600 weight

The quick brown fox jumps over the lazy dog

Text base (text-base) 16 px / 1 rem / 24 px line height / 0 em / 400 weight

The quick brown fox jumps over the lazy dog

Text small (text-sm) 14 px / 0.875 rem / 20 px line height / 0.01 em / 400 weight

The quick brown fox jumps over the lazy dog

Text extra small (text-xs) 12 px / 0.75 rem / 16 px line height / 0.02 em / 400 weight

The quick brown fox jumps over the lazy dog

Desktop Scale

Text extra large (text-xxl) 48 px / 3 rem / 52 px line height / -0.02 em / 700 weight

The quick brown fox

Text large (text-xl) 36 px / 2.25 rem / 40 px line height / -0.02 em / 700 weight

The quick brown fox

Text medium (text-lg) 30 px / 1.875 rem / 36 px line height / -0.01 em / 600 weight

The quick brown fox

Text base (text-base) 16 px / 1 rem / 24 px line height / 0 em / 400 weight

The quick brown fox jumps over the lazy dog

Text small (text-sm) 14 px / 0.875 rem / 20 px line height / 0.01 em / 400 weight

The quick brown fox jumps over the lazy dog

Text extra small (text-xs) 12 px / 0.75 rem / 16 px line height / 0.02 em / 400 weight

The quick brown fox jumps over the lazy dog

Usage Guidelines

- **Hierarchy**
  - Clear visual hierarchy through size, weight, and color.
  - Use one H1 per page (typically the main heading).
  - Maintain consistent spacing between heading levels.
  - Use sufficient contrast between text and background.
  - Limit the number of different text styles to maintain consistency.
  - Use the Lora serif for headings to create a welcoming, approachable feel.
- **Readability**
  - Keep line lengths between 45-75 characters for optimal reading.
  - Use adequate line height (at least 1.5 for body text).
  - Ensure sufficient contrast (4.5:1 minimum for normal text, 3:1 for large text).
  - Avoid justified text on mobile devices.
  - Use left-aligned text for most content.
  - Test on actual devices, not just simulators.
- **Responsive**
  - Scale down typography on mobile devices.
  - Use fluid typography for smooth transitions between breakpoints.
  - Test on real devices, not just simulators.
  - Consider reading distance and viewing conditions.
- **Accessibility**
  - Support browser zoom up to 200%.
  - Avoid fixed pixel sizes for text.
  - Use semantic HTML tags (h1, h2, h3, etc.).
  - Provide alternative text for complex typography.
- **Mobile**
  - Use slightly smaller sizes than desktop.
  - Ensure touch targets are at least 44px.
  - Test on various screen sizes.
  - Consider one-handed usage.

Examples

Good Examples ✓
- H1 at 36 px/2.25 rem for the main heading
- Body text at 16 px/1 rem with 1.5 line height
- Lora serif for headings, Inter sans-serif for body text
- Sufficient contrast between text and background
- Responsive heading sizes (30 px / 1.875 rem on mobile, 48 px / 3 rem on desktop)

Bad Examples ✗
- Using 12 px/0.75 rem for body text (too small)
- Line height of 1 for paragraphs (too cramped)
- Mixing 10 px and 18 px in the same section (inconsistent)
- Using only one font weight (no hierarchy)
- Insufficient contrast (light gray on white)
- Fixed pixel sizes that don't scale on mobile

Accessibility Checklist

Our accessibility is our passport into a universe of global audience! Includes users with diverse abilities, and our design must work for everyone. Following WCAG 2.1 Level AA standards. Perceivable, operable, understandable, and robust are the pillars.

WCAG 2.1 Level AA Compliance

Our baseline standard for accessibility.

- **Perceivable**
  - All image and multimedia content must be accompanied by alt text or text alternatives.
  - Provide captions for videos and transcripts for audio.
  - Ensure color contrast meets minimum ratios (4.5:1 for normal text, 3:1 for large text).
  - Avoid relying solely on color to convey information.
  - Make content adaptable to different ways of presenting information.
- **Operable**
  - All functionality must be accessible via keyboard.
  - Provide sufficient time for users to read and interact with content.
  - Avoid content that causes seizures or physical reactions.
  - Provide clear and consistent keyboard focus indicators.
  - Allow users to skip repetitive content (skip navigation links).
  - Ensure logical tab order.
- **Understandable**
  - Make text readable and understandable.
  - Ensure pages operate in predictable ways.
  - Help users avoid and correct mistakes.
  - Provide clear error messages.
- **Robust**
  - Ensure compatibility with current and future assistive technologies.
  - Use valid, semantic HTML.
  - Properly implement ARIA attributes when needed.
  - Test across different browsers and devices.

Color & Contrast Requirements

- **Normal Text** — 4.5:1 minimum contrast ratio
  - Example: #666666 on white (5.74:1) ✓
  - Example: #999999 on white (2.85:1) ✗
  - Example: #767676 on white (4.54:1) ✓
  - Example: #777777 on white (4.48:1) ✗
  - Example: #595959 on white (7.00:1) ✓
- **Large Text** — 3:1 minimum contrast ratio
  - Example: #999999 on white (2.85:1) ✗
  - Example: #767676 on white (4.54:1) ✓
  - Example: #595959 on white (7.00:1) ✓
  - Example: #949494 on white (3.03:1) ✗
- **UI Components** — 3:1 minimum contrast ratio
  - Example: #0A8FFF on white (3.12:1) ✗
  - Example: #0066CC on white (5.57:1) ✓
  - Example: #004C99 on white (8.59:1) ✓
  - Example: #0A8FFF on #F0F7FF (2.87:1) ✗
  - Example: #0066CC on #F0F7FF (5.13:1) ✓
  - Example: #004C99 on #F0F7FF (7.91:1) ✓
- **Focus Indicators** — 3:1 minimum contrast ratio
  - Example: #0A8FFF on white (3.12:1) ✗
  - Example: #0066CC on white (5.57:1) ✓
  - Example: #004C99 on white (8.59:1) ✓
  - Example: #0A8FFF on #F0F7FF (2.87:1) ✗
  - Example: #0066CC on #F0F7FF (5.13:1) ✓
  - Example: #004C99 on #F0F7FF (7.91:1) ✓

Keyboard Navigation

- **Tab** — Move forward through interactive elements
- **Shift+Tab** — Move backward through interactive elements
- **Enter** — Activate buttons and links
- **Space** — Activate buttons, toggle checkboxes
- **Arrow Keys** — Navigate within components (radio groups, sliders, menus)
- **Esc** — Close modals, dropdowns, tooltips
- **Tab Trap** — Keep focus within modals and dialogs

Common Keyboard Shortcuts

- Ctrl/Cmd + K — Open command palette
- Ctrl/Cmd + / — Show keyboard shortcuts
- Ctrl/Cmd + S — Save current work
- Ctrl/Cmd + Z — Undo
- Ctrl/Cmd + Shift + Z — Redo
- Ctrl/Cmd + C — Copy
- Ctrl/Cmd + V — Paste
- Ctrl/Cmd + X — Cut
- Ctrl/Cmd + A — Select all
- Esc — Close modal / cancel action

Guidelines

- Tab order should follow visual reading order (left to right, top to bottom).
- Do not create keyboard traps (except in modals).
- Provide visible focus indicators (2px outline minimum).
- Test with Tab key only (no mouse).
- Ensure all functionality is keyboard accessible.

Screen Reader Support

- **Semantic HTML**
  - Use proper heading hierarchy (h1, h2, h3, not skipping levels).
  - Use landmark regions (header, nav, main, aside, footer).
  - Use lists for lists (ul, ol).
  - Use buttons for actions, links for navigation.
  - Use forms with proper labels.
- **ARIA Attributes**
  - Use ARIA only when HTML is insufficient.
  - Prefer semantic HTML over ARIA.
  - Test with screen readers.
  - Common ARIA attributes:
    - aria-label — Provide accessible name
    - aligned-by — Reference labelling element
    - aria-hidden — Hide decorative elements
    - aria-live — Announce dynamic changes
    - aria-expanded — Indicate expanded state
    - aria-controls — Indicate what element controls
    - aria-selected — Indicate selected state
    - aria-disabled — Indicate disabled state
- **Alternative Text**
  - Provide alt text for all images.
  - Describe the purpose, not the appearance.
  - Keep it concise (150 characters or less).
  - Example: "Miral Creative Intelligence" not "blue and white logo with text".
  - Example: "Loading" not "spinning circle".
  - Example: "Error" not "red icon".
- **Form Accessibility**
  - Every input must have a label.
  - Use fieldset and legend for groups.
  - Provide error messages.
  - Indicate required fields.
  - Example: "Email address" not "Enter email".
  - Example: "Password" not "Enter password".
  - Example: "Required" not "*".
- **Dynamic Content**
  - Announce loading states.
  - Announce errors.
  - Announce success.
  - Announce modal open/close.
  - Announce tab changes.
  - Example: "Loading..." not "Spinner".
  - Example: "Error: Invalid email" not "Red text".
  - Example: "Success: Saved" not "Green checkmark".
  - Example: "Modal opened" not "Overlay appeared".
  - Example: "Tab 2 of 5" not "Tab 2".
- **Testing**
  - Test with NVDA (Windows, free).
  - Test with JAWS (Windows, paid).
  - Test with VoiceOver (Mac, iOS, free).
  - Test with TalkBack (Android, free).
  - Test with keyboard only (no mouse).
  - Test with zoom (200%).
  - Test with high contrast mode.
  - Test with reduced motion.

Testing Checklist

Automated Testing

- **Lighthouse**
  - Run in Chrome DevTools.
  - Target: 100 accessibility score.
  - Fix all issues.
- **axe DevTools**
  - Install browser extension.
  - Scan each page.
  - Review and fix issues.
- **WAVE**
  - Install browser extension.
  - Scan each page.
  - Review and fix issues.
- **Jest-axe**
  - Integrate into test suite.
  - Run on every component.
  - Fail tests on violations.

Manual Testing

- **Keyboard Navigation**
  - Unplug mouse.
  - Tab through entire page.
  - Verify all interactive elements are reachable.
  - Verify focus indicators are visible.
  - Verify logical tab order.
  - Test all functionality.
- **Screen Reader**
  - Enable screen reader.
  - Navigate by headings (H key in NVDA/JAWS).
  - Navigate by landmarks (D key in NVDA/JAWS).
  - Navigate by links (K key in NVDA/JAWS).
  - Navigate by form fields (F key in NVDA/JAWS).
  - Listen to announcements.
  - Verify all content is accessible.
  - Verify all functionality is accessible.
- **Color Adjustments**
  - Enable high contrast mode.
  - Verify all text is readable.
  - Verify all UI elements are visible.
  - Test with various color schemes.
- **Zoom**
  - Zoom to 200.
  - Verify no horizontal scroll.
  - Verify all content is accessible.
  - Verify all functionality works.
- **Mobile**
  - Test on real devices.
  - Test with VoiceOver (iOS).
  - Test with TalkBack (Android).
  - Test touch targets (44px minimum).
  - Test gestures.
- **Cognitive**
  - Clear language.
  - Consistent patterns.
  - Predictable behavior.
  - Helpful error messages.
  - Sufficient time.

Quick Reference

Must Have
- Alt text for all images.
- Keyboard navigation for all functionality.
- Visible focus indicators.
- Proper heading hierarchy (h1, h2, h3, not skipping levels).
- Sufficient contrast (4.5:1 for normal text, 3:1 for large text).
- Form labels.
- Error messages.
- Skip navigation.
- Semantic HTML.
- Test with screen reader.
- Test with keyboard.
- Test on real devices.

Common Mistakes
- Using 12 px/0.75 rem for body text (too small).
- Line height of 1 for paragraphs (too cramped).
- Mixing 10 px and 18 px in the same section (inconsistent).
- Using only one font weight (no hierarchy).
- Insufficient contrast (light gray on white).
- Fixed pixel sizes that don't scale on mobile.
- Forgetting alt text.
- Using only color to convey information.
- Keyboard traps (except in modals).
- Missing focus indicators.
- Form inputs without labels.
- Generic error messages ("Error").
- Auto-playing media.
- Missing skip navigation.
- Non-semantic HTML (using divs for everything).
- Not testing with real users.

Component & UX System

Our component system is built on top of Shadcn/ui, ensuring consistency, accessibility, and adaptability, and delighting in use. Inspired by Claude's clean, sophisticated design, our component system is functionally rich and delightful.

Buttons

Primary
Primary CTA, main actions, form submissions.
- Default: #Primary-500 (Primary-Primary-Blue)
- Hover: #Primary-600
- Active: #Primary-700
- Disabled: #Primary-300, 50% opacity
- Focus: #Primary-500 with 2px outline

Secondary
Secondary actions, less prominent than primary.
- Default: #Primary-100 (Light mode), #Primary-800 (Dark mode)
- Hover: #Primary-200 (Light mode), #Primary-700 (Dark mode)
- Active: #Primary-300 (Light mode), #Primary-600 (Dark mode)
- Disabled: #Primary-50 (Light mode), #Primary-900 (Dark mode), 50% opacity

Ghost
Tertiary actions, minimal visual weight.
- Default: transparent
- Hover: #Primary-50 (Light mode), #Primary-900 (Dark mode)
- Active: #Primary-100 (Light mode), #Primary-800 (Dark mode)
- Disabled: transparent, 50% opacity

Destructive
Delete, remove, irreversible actions.
- Default: #Error-500
- Hover: #Error-600
- Active: #Error-700
- Disabled: #Error-300, 50% opacity
- Focus: #Error-500 with 2px outline

Sizes
- Small: 32 px height, 12 px horizontal padding, 14 px font size
- Medium (default): 40 px height, 16 px horizontal padding, 16 px font size
- Large: 48 px height, 24 px horizontal padding, 18 px font size

Guidelines
- Only one primary button per section
- Use ghost buttons for tertiary actions
- Destructive actions should require confirmation
- Minimum touch target size: 44 px × 44 px
- Use clear, action-oriented labels (avoid "Click here")
- Maintain consistent spacing between buttons (8 px minimum)
- Group related buttons together

Cards

Structure
- Header (optional): Title, subtitle, actions
- Content: Main content area
- Footer (optional): Actions, metadata

Variants
- Default: Standard card
- Elevated: Card with shadow
- Interactive: Card that responds to hover/click
- Selected: Card in selected state

Spacing
- Padding: 16 px (mobile), 24 px (desktop)
- Gap between cards: 16 px (mobile), 24 px (desktop)

Guidelines
- Use cards for grouping related content
- Keep card content scannable
- Limit card width for readability (max 400 px)
- Use consistent card heights in grids
- Provide clear visual hierarchy within cards

Inputs

Text Input
Standard text input fields.
- Default: #Gray-300 (Light mode), #Gray-700 (Dark mode)
- Hover: #Primary-300
- Focus: #Primary-500 with 2px outline
- Error: #Error-500
- Disabled: #Gray-100 (Light mode), #Gray-800 (Dark mode), 50% opacity

Textarea
Multi-line text input.
- Same as text input
- Resizable vertically
- Minimum height: 100 px

Select
Dropdown selection.
- Same as text input
- Chevron icon on right
- Dropdown: #Background-Primary, #Gray-200 (Light mode), #Gray-600 (Dark mode)

Checkbox
Multi-select, boolean.
- Unchecked: #Gray-300 (Light mode), #Gray-600 (Dark mode)
- Checked: #Primary-500
- Checkmark: #Background-Primary
- Focus: #Primary-500 with 2px outline

Radio
Single selection from group.
- Unchecked: #Gray-300 (Light mode), #Gray-600 (Dark mode)
- Checked: #Primary-500
- Inner dot: #Background-Primary
- Focus: #Primary-500 with 2px outline

Toggle
On/off switch.
- Off: #Gray-300 (Light mode), #Gray-600 (Dark mode)
- On: #Primary-500
- Thumb: #Background-Primary
- Focus: #Primary-500 with 2px outline

Guidelines
- Use appropriate input type (email, tel, number, etc.)
- Provide clear labels (not just placeholders)
- Show helpful error messages
- Indicate required fields (asterisk or "Required")
- Provide character limits when relevant
- Use inline validation (validate as user types)
- Maintain consistent spacing between inputs (16 px minimum)

UX Patterns

A system is defined by how users interact with our product. Every pattern should reduce friction, provide clear feedback, and guide users toward success. We prioritize mobile-first interactions, ensuring touch-friendly and accessible experiences.

Onboarding Flow

Welcome to Miral!
Let's get you set up in a few quick steps.

- **Step 1** — Welcome & Intro
  - Welcome message
  - Brief explanation of what Miral does
  - Set expectations (what to expect, how long it takes)
  - Primary CTA: "Get Started" or "Next"
  - Secondary CTA: "Skip tour" or "Skip setup"
- **Step 2** — Profile Setup
  - Display name (required)
  - Profile photo (optional, can skip)
  - Primary CTA: "Continue"
  - Secondary CTA: "Back"
- **Step 3** — Preferences
  - Theme (light/dark/auto)
  - Notification preferences
  - Primary CTA: "Complete setup"
  - Secondary CTA: "Back"
- **Step 4** — Completion
  - Celebration message
  - Quick tips or next steps
  - Primary CTA: "Start using Miral"

Principles
- Keep it short (3-5 steps maximum)
- Show progress (step indicator)
- Allow skipping (don't force completion)
- Save progress (can resume later)
- Celebrate completion

Processing States

Processing a request with AI or complex operation.

Processing...
Miral is thinking...
This may take a few seconds.

Processing with cancel option

Processing...
Generating your response...
Cancel

Processing with time estimate

Processing...
Analyzing your data...
Estimated time: 30 seconds

Processing with progress bar

Processing...
Uploading your file...
45%

Processing with multi-step

Processing...
Step 2 of 3: Analyzing data...
Step 1: Uploading file ✓
Step 2: Analyzing data...
Step 3: Generating report

Principles
- Always show some sort of feedback
- Provide clear estimates (if possible)
- Allow cancellation (for long operations)
- Show progress (for multi-step processes)
- Keep the user informed (what's happening)
- Celebrate completion

Error Handling

Something went wrong.
We couldn't process your request.

Structure
- Title: Clear error message (what happened)
- Description: Explain what happened (why it happened)
- Actions: What to do next (how to fix)
- Support: Contact support (if needed)

Examples

Network error
Connection lost.
Check your internet connection and try again.
Retry

Rate limit error
Too many requests.
You've reached the limit. Try again in 60 seconds.
Upgrade to increase limit

Validation error
Invalid input.
Please check your input and try again.
Email, phone, etc. formats

Permission error
Access denied.
You don't have permission to perform this action.
Contact admin

Quota exceeded
Quota exceeded.
You've used your monthly limit.
Upgrade to continue

Generic error
Something went wrong.
We're sorry, an error occurred.
Retry, Contact support

Principles
- Be specific (what happened, why, how to fix)
- Provide actionable solutions (what to do next)
- Show empathy (we're sorry, we're working on it)
- Log errors (for debugging)
- Avoid technical jargon (plain language)

Empty States

First time, no data yet.

No conversations yet
Start a new chat to begin your first conversation.
New conversation

No results
No results for "query"
Try different keywords or check spelling.
Clear search, Browse all

Principles
- Explain why it's empty
- Provide clear next action
- Make it inviting (not boring)
- Show what's possible (examples, templates)
- Guide toward success

Loading States

Loading...
Loading your conversations...

Skeleton screen

Loading...
Generating response...
Stop generation

Loading with progress

Loading...
Uploading your file...
45%

Guidelines
- Show loading within 100 ms (feedback)
- Use skeleton screens (better than spinners)
- Show progress (when possible)
- Allow cancellation (for long operations)
- Keep it subtle (don't distract)

Modals

Delete conversation?
This cannot be undone. All messages will be permanently deleted.
Cancel, Delete

Confirm action?
Are you sure you want to continue?
Cancel, Confirm

Form modal
Edit profile
Name, Email, Bio
Save changes, Cancel

Guidelines
- Use for critical actions (destructive, irreversible)
- Use for focused tasks (forms, settings)
- Use for interruptions (notifications, alerts)
- Avoid nesting (modal within modal)
- Keep it simple (one clear purpose)
- Allow escape (Esc key, click outside)
- Trap focus (keyboard navigation within modal)
- Restore focus (return focus to trigger element)

Layout Patterns

Mobile-first responsive layout.

Single-column (mobile)
- Header: Fixed, 56 px height, contains logo, actions
- Main content: Scrollable, 16 px padding, max-width: 100%
- Input area: Fixed at bottom, safe area aware

Three-column (on tablet and desktop)
- Left: Sidebar, 280 px width, collapsible
- Center: Main content, flexible, max-width: 800 px
- Right: Optional, 320 px width, context panel

Breakpoints
- Mobile: 0 – 768 px
- Tablet: 768 – 1024 px
- Desktop: 1024 – 1440 px
- Large desktop: 1440 px +

Sidebar collapse
- Desktop: Sidebar collapses to icon-only mode
- Tablet: Sidebar collapses to icon-only mode
- Mobile: Sidebar becomes overlay, slides in from left

Mobile navigation
- Header: Fixed, 56 px height, contains logo, actions
- Sidebar: Overlay, slides in from left, 280 px width
- Backdrop: Semi-transparent, click to close
- Gestures: Swipe to open, swipe to close

Grid system
- Gap: 16 px (mobile), 24 px (desktop)
- Max-width: 1440 px (prevent too wide on large screens)
- Centered: Content centered on large screens

Guidelines
- Mobile-first (design for mobile, enhance for desktop)
- Touch-friendly (44 px minimum touch targets)
- Safe areas (respect notch, home indicator)
- Scrollable (content scrollable, fixed header/footer)
- Responsive (adapt to screen size)

Layout Shift

Prevent layout shift (content jumping) during loading.

Single-column layout for mobile
- Header: Fixed, 56 px height, prevents layout shift
- Main content: Scrollable, 16 px padding
- Input area: Fixed at bottom, safe area aware

Three-column with collapsible sidebar
- Left: Sidebar, 280 px width, collapsible
- Center: Main content, flexible, max-width: 800 px
- Right: Optional, 320 px width, context panel

Sidebar navigation with collapse
- Header: Logo, collapse button
- Sections: Conversations, Projects, Settings
- Footer: User profile, collapse button
- Mobile: Overlay, slides in from left

Modal dialog layout
- Backdrop: Semi-transparent, click to close
- Modal: Centered, max-width: 500 px, max-height: 90 vh
- Header: Title, close button
- Content: Scrollable, 24 px padding
- Footer: Actions, right-aligned

Sidebar navigation with mobile overlay
- Desktop: Sidebar, 280 px width, always visible
- Mobile: Overlay, slides in from left, 280 px width
- Backdrop: Semi-transparent, click to close

Responsive content with max-width
- Desktop: Content, 800 px max-width, centered
- Mobile: Content, 100% width, 16 px padding

Mobile-first responsive layout
- Mobile: Single column, 16 px padding, 100% width
- Tablet: Two columns, 24 px padding, 768 px +
- Desktop: Three columns, 24 px padding, 1024 px +

Iconography & Motion

Minimal, clean, and consistent. Icons should be instantly recognizable, contribute to clarity, and never distract from content. Motion should be subtle, smooth, and purposeful. Every animation serves a purpose.

Icon Library

Lucide React
Open-source icon library with 1000+ icons. Clean, consistent, and highly legible.

Installation: `npm install lucide-react` · `import { IconName } from 'lucide-react'` · `import { IconName as LucideIconName } from 'lucide-react'`

Icon Sizes

- 16 px — Inline text, small buttons
- 20 px — Default size, most UI elements
- 24 px — Standard size, primary actions
- 32 px — Large actions, emphasis
- 48 px — Hero sections, empty states

Common Icons

- **Actions:** Plus, Minus, Edit, Trash, Save, Copy, Paste, Cut, Undo, Redo, Refresh, Download, Upload, Share, Send, Mail, Phone, Link, Unlink, Search, Filter, Sort, Settings, Cog, Wrench, Tools, Sliders, Adjustments, Toggle, Check, Checkbox, Square, Circle, Radio, Star, Heart, Bookmark, Flag, Pin, Tag, Bell, Notification, Alert, Warning, Info, Help, Question, Lightbulb, Sparkles, Wand, Magic, Zap, Bolt, Lightning, Fire, Rocket, Target, Crosshair, Eye, Hide, Lock, Unlock, Key, Shield, Safety, Warning, Alert, Bell, Notification, Mail, Inbox, Send, Share