Design System Audit Report - Usability and Branding

Department: UX / R&D Front-End
Date: 2025-11-01
Version: 1.0
Objective: Assess the compliance of the current production UI with the NexaCore Brand Style Guide and identify inconsistencies that impact usability.

1. Executive Summary

The audit found that while of core components (buttons, navigation bars) are compliant, several newly implemented R&D features (specifically the data filtering panel in the Reporting Dashboard) are using custom, non-compliant components. This inconsistency is creating significant **Cumulative Layout Shift (CLS)** issues and cognitive load for enterprise users.

2. Branding Compliance Review

Component	Status (Pass/Fail)	Finding	Recommendation
Primary CTA Button	Pass	Compliant with NexaCore Blue (#004080) and standard border radius (0.5rem).	None.
Typography	Fail	The Reporting Dashboard uses 'Roboto' instead of the mandated 'Inter' font for data labels.	Front-end team must enforce the 'Inter' font via the global CSS framework for all data views.
Logo Usage	Pass	Correct SVG usage on all login and application pages.	None.
Color Palette	Fail	The new error state color in the Workflow Editor is a non-compliant	Update the error red to the mandated #B00020 in the

		shade of red, failing AA contrast standards.	global style sheet.

3. Usability and Consistency Issues

Issue 3.1: Data Filter Component (Reporting)

- **Observation:** The custom filter panel uses fixed pixel widths and does not collapse correctly on smaller desktop screens (causing horizontal scroll).
- **Impact:** High usability barrier; violates the "Fully Responsive Layouts" operational guideline.
- **Recommendation:** R&D must replace the custom component with the standard, responsive shadcn/ui dropdown and input field components.

Issue 3.2: Iconography Inconsistency

- **Observation:** The main navigation uses Lucide icons, but the new AI feature blocks use custom Phosphor icons, creating a disjointed experience.
- **Recommendation:** Standardize all application iconography to **Lucide-React** by the end of Q1 2026.

4. Audit Action Plan

Action Item	Priority	Owner (Team)	Due Date
Replace custom filter component with standard UI components.	P1 (Critical)	R&D Front-End	End of next sprint (2 weeks)
Enforce 'Inter' font globally and fix the error color shade.	P2 (Medium)	R&D Front-End	4 Weeks
Standardize all new features to use Lucide icons only.	P3 (Low)	UX Lead (Monitoring)	Ongoing