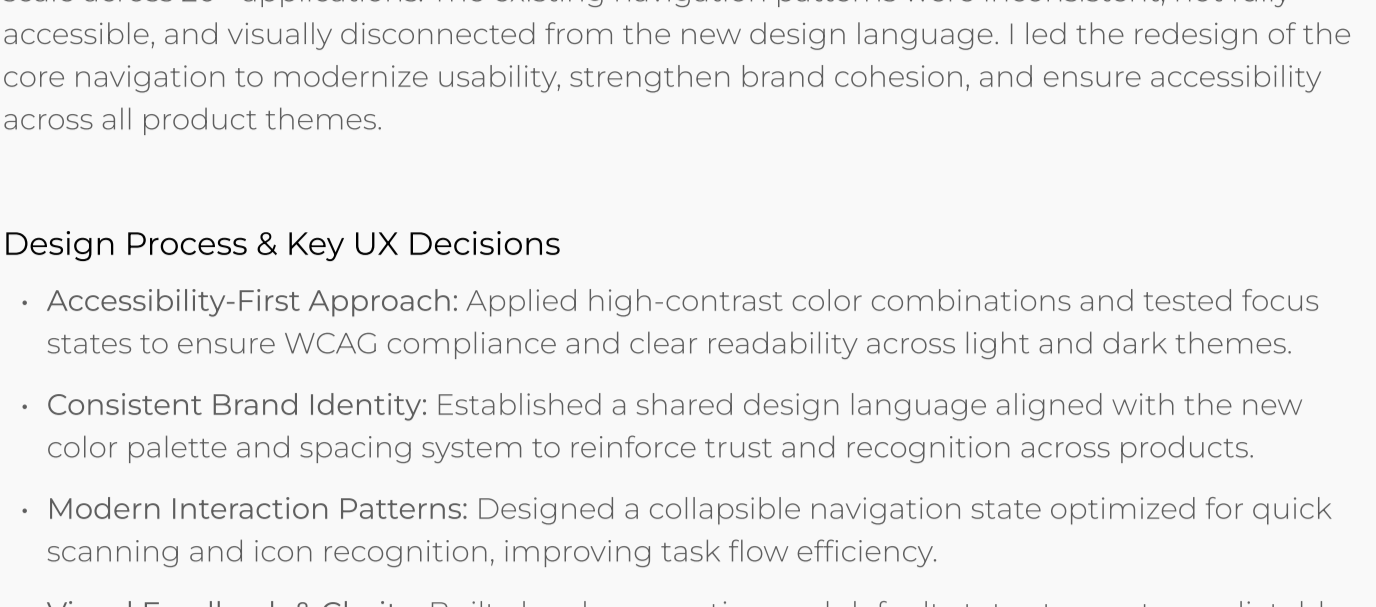
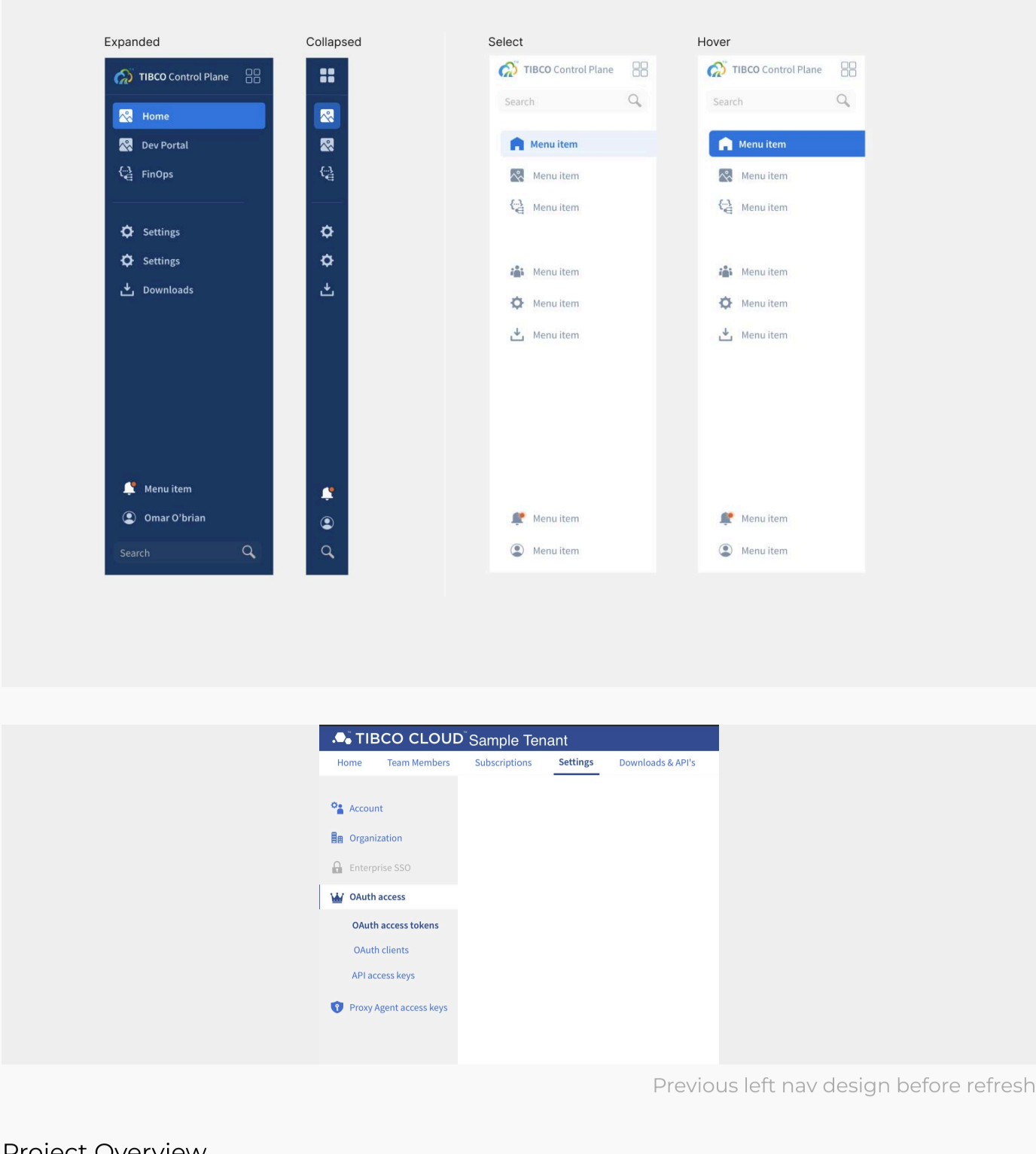


# Navigation Modernization for Enterprise Platform



Previous left nav design before refresh

## Project Overview

Following a major rebrand, our product suite required a unified navigation system that could scale across 20+ applications. The existing navigation patterns were inconsistent, not fully accessible, and visually disconnected from the new design language. I led the redesign of the core navigation to modernize usability, strengthen brand cohesion, and ensure accessibility across all product themes.

## Design Process & Key UX Decisions

- Accessibility-First Approach:** Applied high-contrast color combinations and tested focus states to ensure WCAG compliance and clear readability across light and dark themes.
- Consistent Brand Identity:** Established a shared design language aligned with the new color palette and spacing system to reinforce trust and recognition across products.
- Modern Interaction Patterns:** Designed a collapsible navigation state optimized for quick scanning and icon recognition, improving task flow efficiency.
- Visual Feedback & Clarity:** Built clear hover, active, and default states to create predictable, intuitive feedback during navigation.
- Theme Scalability:** Ensured parity and comfort between light and dark modes, maintaining consistent tone, spacing, and rhythm across all contexts.
- Precision in Layout & Hierarchy:** Paid close attention to alignment, padding, and spacing to enhance scannability and visual flow for both novice and expert users.
- Balanced Usability & Aesthetics:** Blended real-world UX needs with polished visual refinement to create a functional and cohesive navigation experience.

## Design Challenges & Impact

### Unifying Inconsistent Navigation Systems

- Solution:** Created a standardized, responsive navigation framework used across 20+ products.
- Impact:** Reduced visual fragmentation and improved learnability for users transitioning between tools.

### Accessibility & Compliance Gaps

- Solution:** Implemented contrast-tested palettes, focus indicators, and keyboard navigation support.
- Impact:** Met WCAG 2.1 AA standards and improved inclusivity for users with visual impairments.

### Scalability Across Themes and Products

- Solution:** Designed modular tokens and spacing systems for light/dark theme parity.
- Impact:** Enabled rapid rollout of brand updates without redesign overhead, improving developer efficiency.

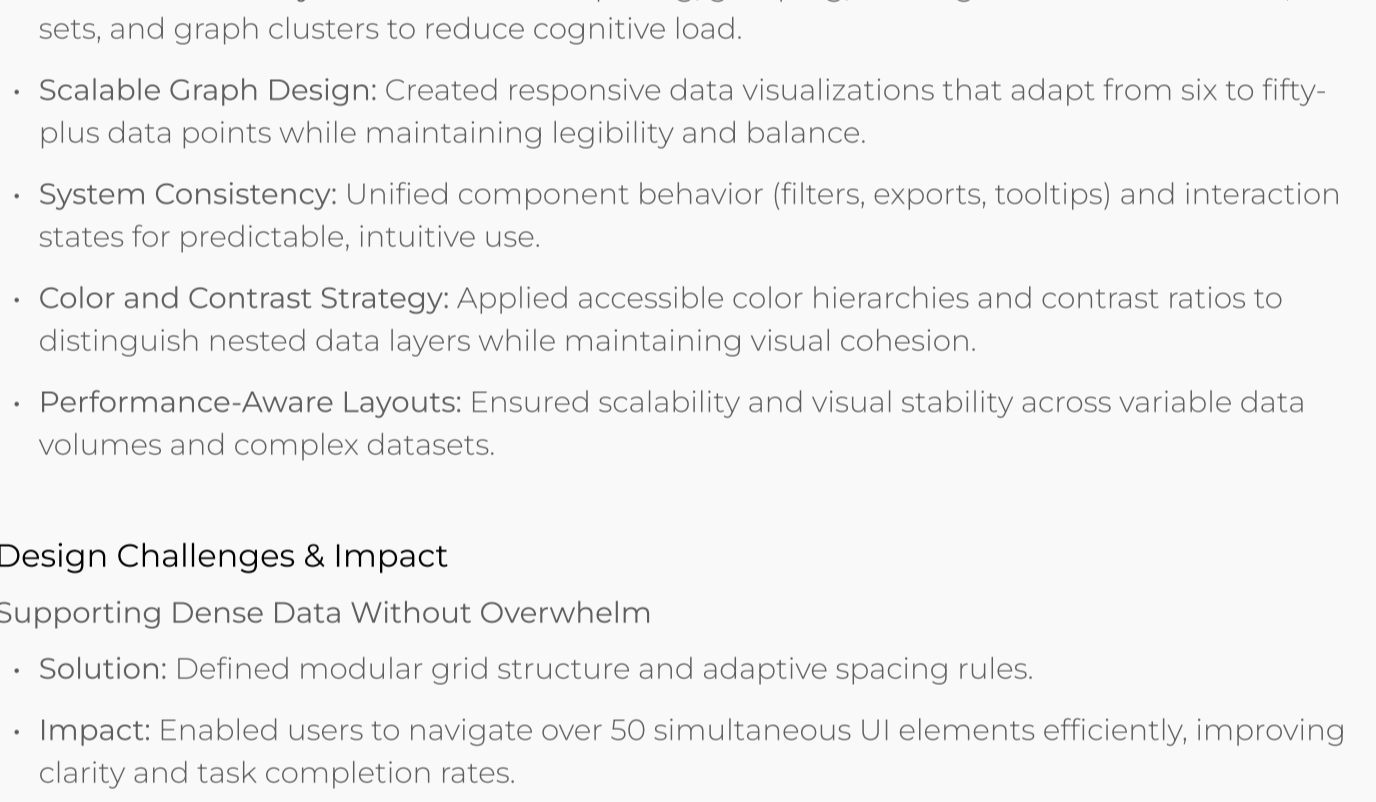
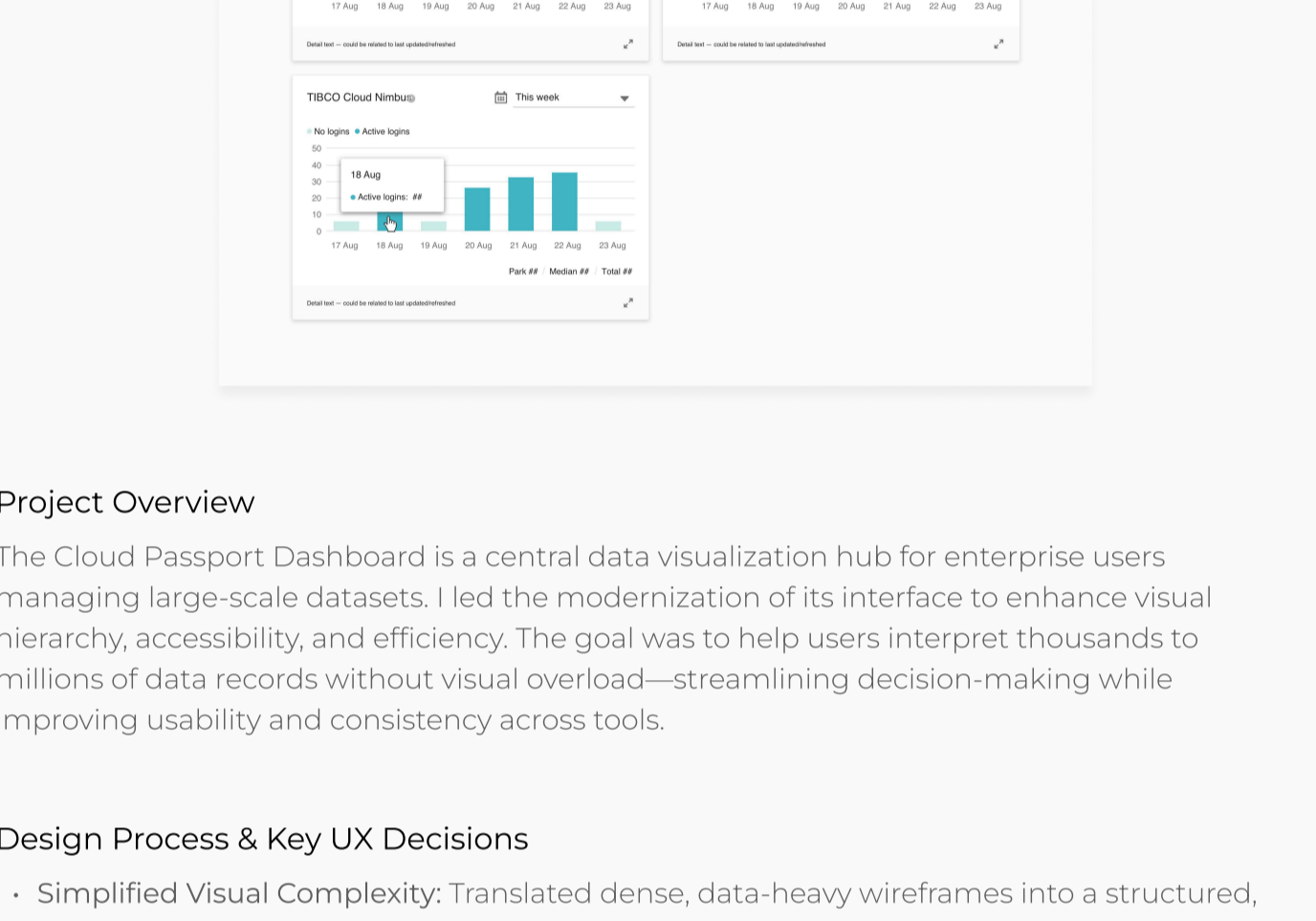
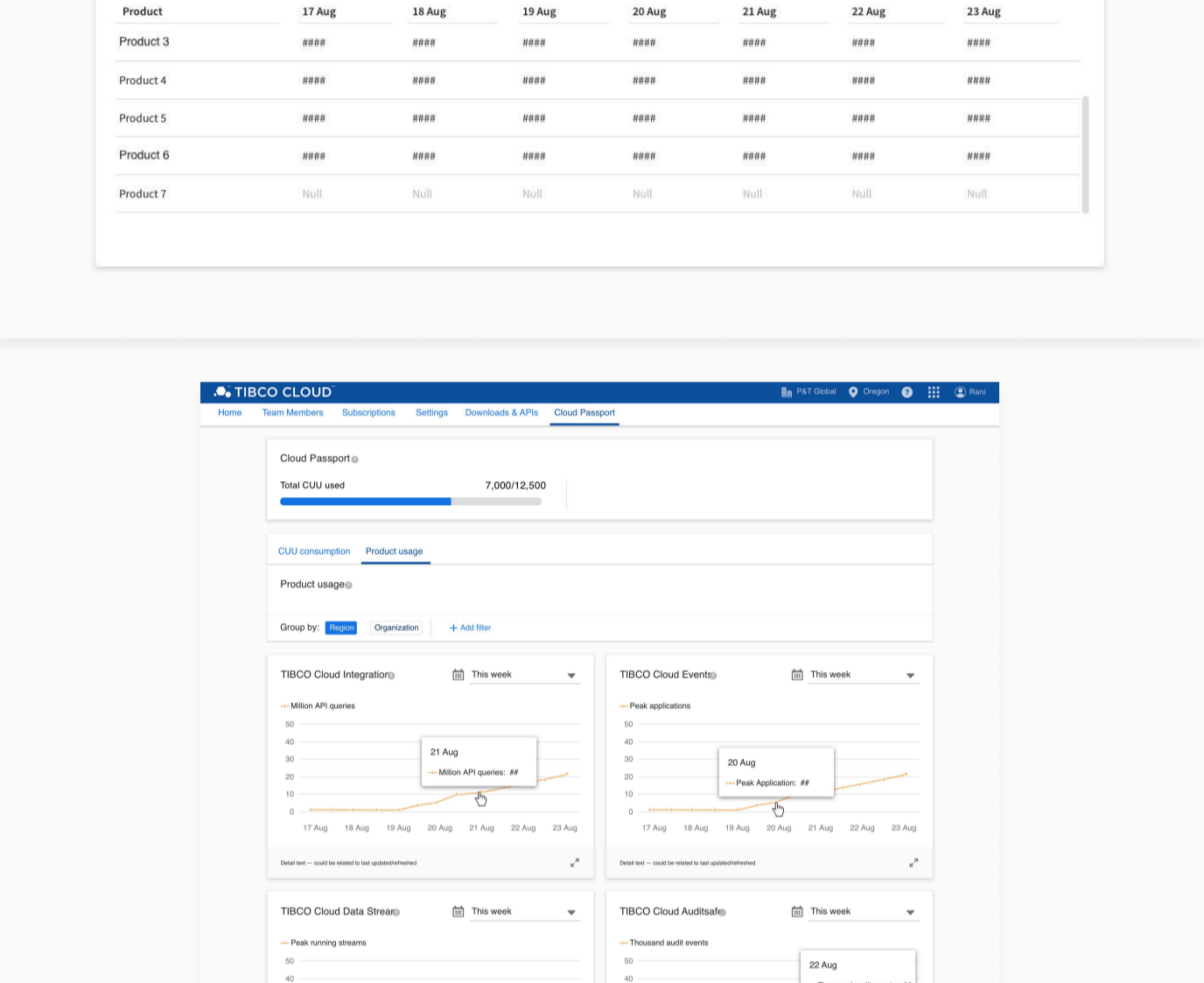
### Visual Feedback & State Clarity

- Solution:** Defined consistent hover, active, and selected states with motion cues for user feedback.
- Impact:** Reduced navigation errors and increased confidence in task switching.

### Brand Cohesion Post-Rebrand

- Solution:** Applied the updated design language consistently through color, typography, and spacing.
- Impact:** Strengthened brand recognition and visual continuity across the enterprise suite.

# Modernizing a Scalable Data Dashboard



## Project Overview

The Cloud Passport Dashboard is a central data visualization hub for enterprise users managing large-scale datasets. I led the modernization of its interface to enhance visual hierarchy, accessibility, and efficiency. The goal was to help users interpret thousands to millions of data records without visual overload—streamlining decision-making while improving usability and consistency across tools.

## Design Process & Key UX Decisions

- Simplified Visual Complexity:** Translated dense, data-heavy wireframes into a structured, readable interface without altering core functionality.
- Hierarchical Clarity:** Established clear spacing, grouping, and alignment rules for filters, data sets, and graph clusters to reduce cognitive load.
- Scalable Graph Design:** Created responsive data visualizations that adapt from six to fifty-plus data points while maintaining legibility and balance.
- System Consistency:** Unified component behavior (filters, exports, tooltips) and interaction states for predictable, intuitive use.
- Color and Contrast Strategy:** Applied accessible color hierarchies and contrast ratios to distinguish nested data layers while maintaining visual cohesion.
- Performance-Aware Layouts:** Ensured scalability and visual stability across variable data volumes and complex datasets.

## Design Challenges & Impact

### Supporting Dense Data Without Overwhelm

- Solution:** Defined modular grid structure and adaptive spacing rules.
- Impact:** Enabled users to navigate over 50 simultaneous UI elements efficiently, improving clarity and task completion rates.

### Balancing Readability and Depth

- Solution:** Layered type, color, and alignment hierarchies to separate grouped data without visual noise.
- Impact:** Reduced time-to-insight for users performing both quick checks and deep-dive analyses.

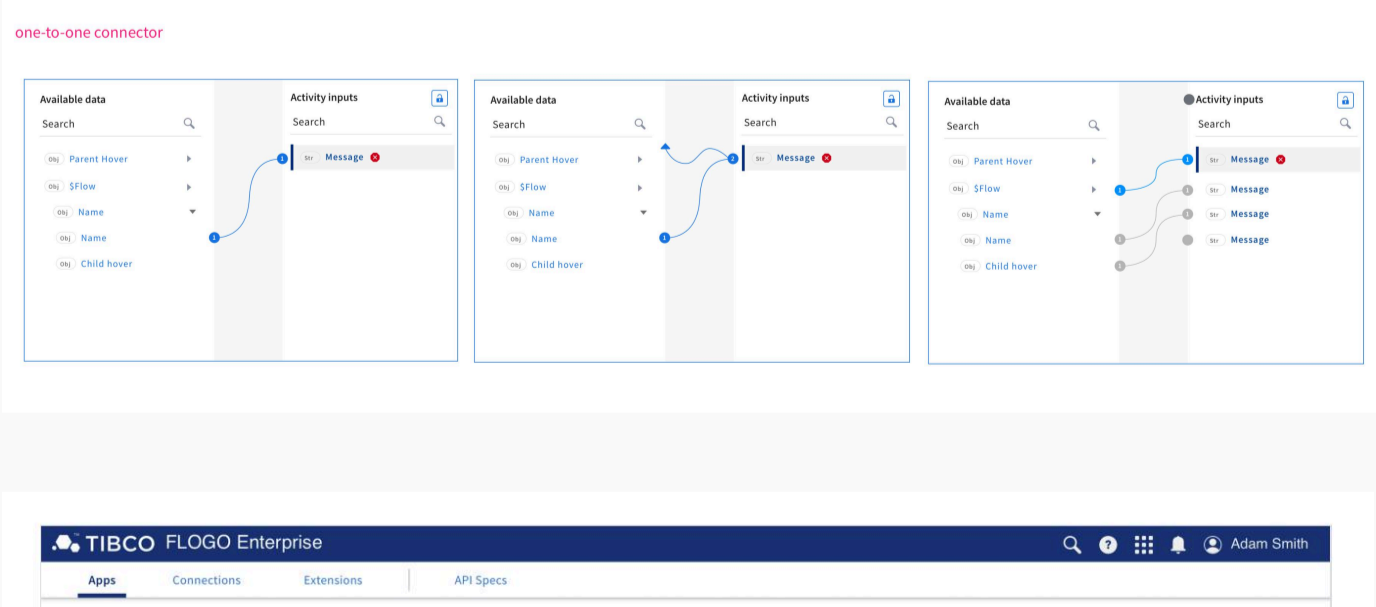
### Ensuring Accessibility in Complex Visuals

- Solution:** Introduced warm highlight tones and dynamic hover states that contrasted against cool chart colors.
- Impact:** Increased interaction discoverability and visual comfort for color-sensitive users.

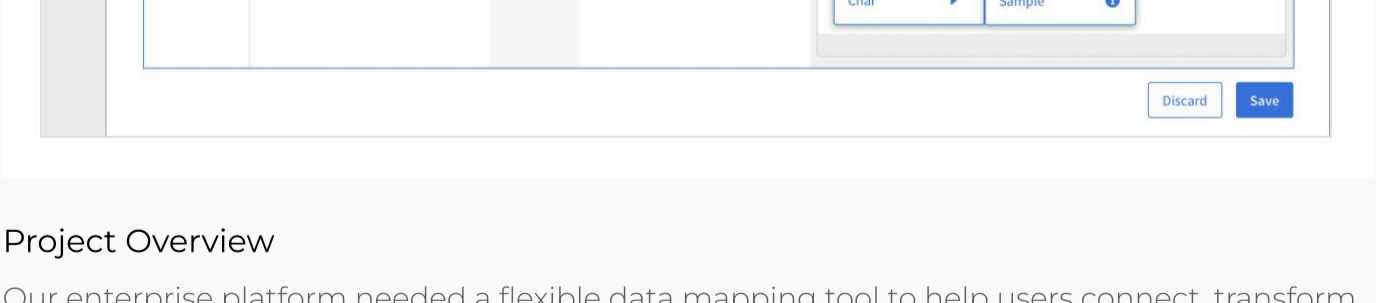
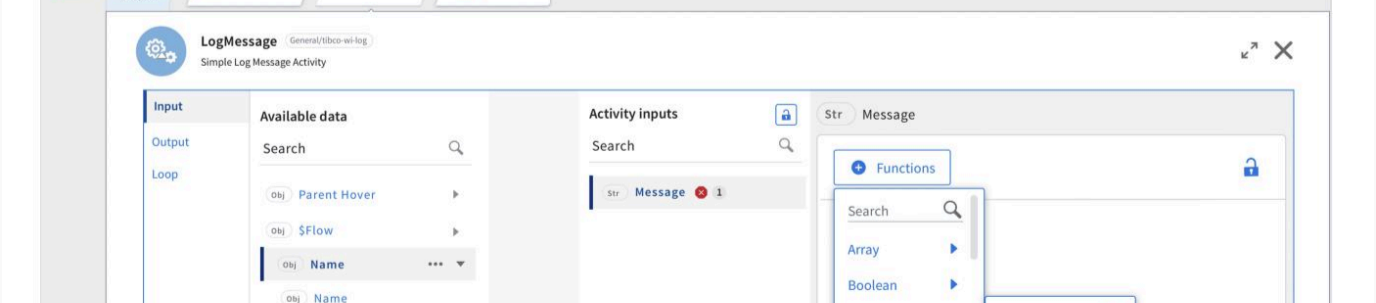
### Guiding User Flow Across Data Ranges

- Solution:** Added subtle gradients and end-of-table cues to signal scrollability and depth.
- Impact:** Supported smooth navigation and orientation in dense datasets without extra visual clutter.

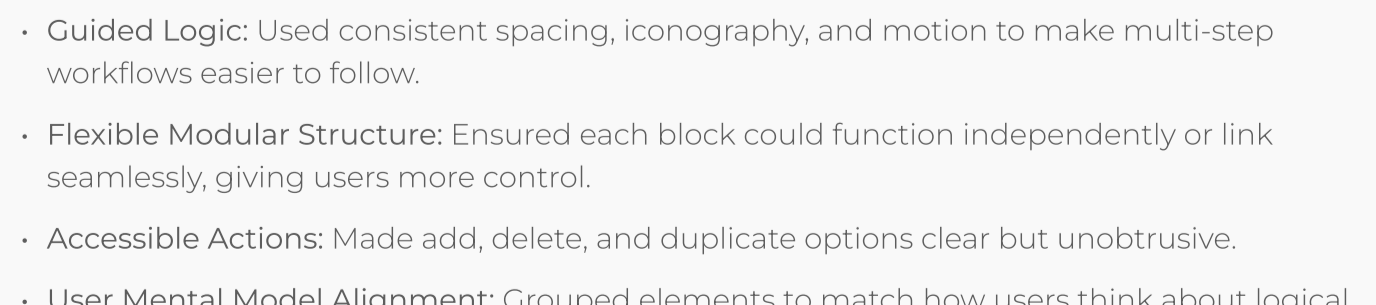
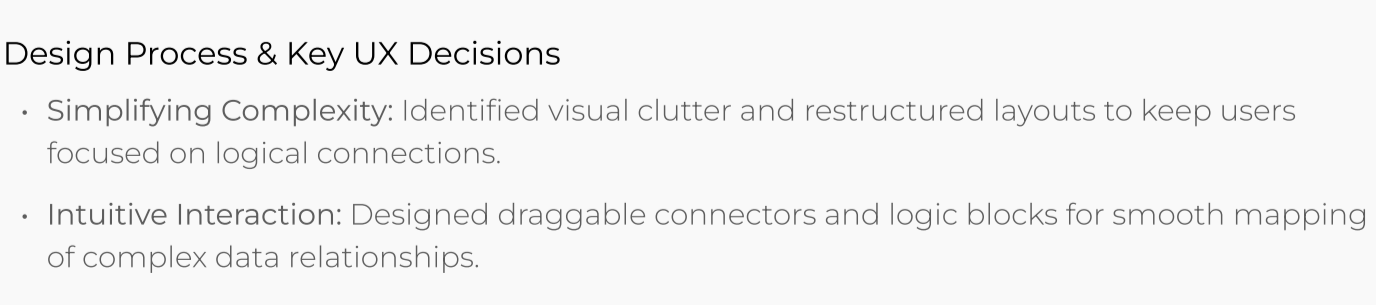
# Designing an Interactive & Scalable Data Mapping Experience



## Drag and drop



## Connector states



## Project Overview

Our enterprise platform needed a flexible data mapping tool to help users connect, transform, and visualize complex datasets efficiently. I led the design of a modular, interactive component that supported draggable connectors, conditional logic, and inline code editing—making workflows easier to manage across small and large datasets.

## Design Process & Key UX Decisions

- Simplifying Complexity:** Identified visual clutter and restructured layouts to keep users focused on logical connections.
- Intuitive Interaction:** Designed draggable connectors and logic blocks for smooth mapping of complex data relationships.
- Readability:** Refined typography and color hierarchy for nested variables, reducing cognitive load.
- Guided Logic:** Used consistent spacing, iconography, and motion to make multi-step workflows easier to follow.
- Flexible Modular Structure:** Ensured each block could function independently or link seamlessly, giving users more control.
- Accessible Actions:** Made add, delete, and duplicate options clear but unobtrusive.
- User Mental Model Alignment:** Grouped elements to match how users think about logical flows

## Design Challenges & Impact

### Supporting Complex UI Without Overload

- Solution:** Clear hierarchy and visual grouping to minimize overwhelm.
- Impact:** Users navigated complex data maps without confusion.

### Dynamic Data Ranges

- Solution:** Scalable charts with adaptive labeling and spacing for readability across all data volumes.
- Impact:** Users analyzed both high-level trends and detailed data confidently.

### Dense Filtering Options

- Solution:** Organized filters into intuitive groups, prioritizing common options and adding hover/selection feedback.
- Impact:** Improved discoverability and task completion speed.

### Visual Hierarchy & Accessibility

- Solution:** Applied accessible color contrasts, consistent typography, and hover modals for clarity.
- Impact:** Reduced support requests and improved accessibility compliance.

### Interactive Cues & Guidance

- Solution:** Subtle gradients, hover states, and warm accents for actionable elements.
- Impact:** Enhanced engagement and intuitive discovery of features.