

iOS App UI Documentation

Files Worked On

- ProfileView.swift
- RequirementsView.swift
- LibraryViewSQL.swift
- Other associated SwiftUI view files

Purpose

This document details the contributions made during the UI refinement phase of the project, focusing on improving readability, consistency, and maintainability of SwiftUI views. The scope of work included comment documentation, visual formatting, color standardization, and general code cleanup.

ProfileView.swift

Work Completed:

- Added comprehensive inline comments to explain the layout structure and each section's role.
 - Refactored layout for consistency and better hierarchy using custom helper views: profileField(...) and sectionView(...).
 - Cleaned up spacing, alignment, and logic flow.
 - Applied consistent Helvetica font styling and modular color definitions.
 - Implemented and refined the orange-to-white gradient background.
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RequirementsView.swift

Work Completed:

- Inserted descriptive comments throughout the view, particularly around dynamic requirement grouping and rendering logic.
 - Standardized font usage and padding across sections.
 - Applied color-coding logic for different requirement statuses.
 - Ensured the side menu layout was properly separated and easily readable.
 - Improved clarity and readability of the on-appear logic for fetching data.
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LibraryViewSQL.swift

Work Completed:

- Documented all view logic, including dynamic filter handling and UI element rendering.
 - Refined picker and card UI for clarity and consistency.
 - Standardized spacing and font sizes.
 - Applied matching color scheme and gradient background for brand consistency.
 - Improved logical grouping of filter controls and document listings.
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Additional Notes on Other Files

Work Completed Across All Touched Files:

- Added thorough and professional in-line comments to explain each section of logic, view structuring, and modifier purposes.
 - Removed redundant or unclear code blocks.
 - Standardized visual appearance across all views using Helvetica font, common shadowing, padding, and color palette.
 - Simplified and cleaned up SwiftUI view construction to make files easier to follow and modify.
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