Progress Report 5

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Date	Number of Hours	Description of Work Done
Nov. 8, 2025	2	Began implementing advanced listing management system using statistical pricing suggestions and optimized database structure.
Nov. 9, 2025	1.5	Developed rule-based deal score calculations and real-time price comparison formulas across major categories.
Nov. 10, 2025	1.5	Built market intelligence dashboard showing pricing trends, category averages, medians, and competitive insights using aggregated listing data.
Nov. 11, 2025	2	Added cross-platform admin report handling with iOS Alert.alert and Android custom modals for consistent moderation workflows.
Nov. 12, 2025	1.5	Integrated enhanced report details with images, context notes, dismissed report tracking, and administrative audit logs.
Nov. 13, 2025	1.5	Improved cross-platform UI consistency with custom modal systems, SafeAreaView tuning, and unified platform-specific styling adjustments.
Nov. 14, 2025	1.5	Refined UX with fully unified hamburger navigation, removal of outdated floating buttons, and improved user flow cohesion.
Nov. 15, 2025	2	Implemented conversation loading retries, debounced search for performance, and user-friendly error message systems.
Nov. 16, 2025	1.5	Added international testing capabilities using Expo tunnel

		mode and validated backend access via global Render deployment.
Nov. 17, 2025	1.5	Optimized network reliability and cross-country latency behavior through cached requests and fallback mechanisms.
Nov. 18, 2025	2	Enhanced production stability using React memoization, API response caching, memory optimizations, and offline-ready logic.
Nov. 19, 2025	1.5	Finalized monitoring workflows, added robust retry logic for API failures, and completed stability testing for production readiness.

From November 8 to November 19, the focus was on upgrading the Campus Marketplace App into a production-grade platform with advanced pricing logic, improved moderation tools, cross-platform consistency, and full international testing readiness.

The listing management system now includes **rule-based pricing suggestions, deal score formulas, and category-specific comparisons** derived from real marketplace data. These features help users understand whether a listing is priced fairly and make more informed buying or selling decisions.

A complete **Market Intelligence Dashboard** was implemented, displaying pricing trends, averages, medians, variation patterns, and category-based insights. This provides users with meaningful data without relying on machine learning—only statistical analysis and computed metrics.

The **admin panel** was significantly upgraded with detailed report evidence, image previews, context notes, dismissal history, and an audit trail to support transparent and effective moderation.

Cross-platform improvements ensured consistent behavior on both iOS and Android through custom modals, SafeAreaView adjustments, and unified interface patterns.

Quality-of-life updates included debounced search, retry logic for slow networks, improved loading behavior, and user-friendly error messages. A fully unified hamburger navigation system replaced floating buttons, creating a cleaner and more predictable UI.

To enable **international testing**, Expo tunnel support was activated, and Render backend performance was validated for global access.

Finally, production-level optimizations—such as memoization, caching, offline support, and error-recovery workflows—greatly improved app reliability and stability in real-world environments.