Progress Report 3

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Date	Number of Hours	Description of work done
Oct. 23, 2025	2	Began implementing the 5-star rating system, including database structure and initial UI components.
Oct. 24, 2025	1.5	Added category-based ratings for Communication, Reliability, Timeliness, and Item Condition.
Oct. 25, 2025	1.5	Enabled bidirectional ratings between buyers and sellers with rating persistence and profile integration.
Oct. 27, 2025	2	Developed average rating calculations and display system for public visibility on user profiles.
Oct. 28, 2025	2	Implemented real-time messaging between buyers and sellers using Socket.IO; created listing-specific conversations.
Oct. 29, 2025	1.5	Added unread message tracking, message read status, and grouped conversations by user and listing.
Oct. 30, 2025	1.5	Designed and integrated a full messaging UI with modal-based chat interface for smooth interaction.
Oct. 31, 2025	1.5	Transitioned navigation from bottom tab layout to hamburger menu based on feedback; improved user accessibility.
Nov. 1, 2025	1.5	Enhanced hamburger menus with profile access in MyListings and Favorites; added floating message button with unread badge count.
Nov. 2, 2025	2	Created admin dashboard with role-based access for banning or suspending users based on reports; optimized navigation performance.

From October 23 to November 2, the focus was on improving user interaction, trust, and administrative control within the **Campus Marketplace App**. The main accomplishments include the addition of a detailed rating system, real-time messaging, navigation refinements, and administrative tools for moderation.

The **rating system** allows buyers and sellers to rate each other with 5-star and category-based criteria, including Communication, Reliability, Timeliness, and Item Condition. These ratings are stored in the database, displayed on profiles, and averaged for public visibility.

The **comprehensive messaging system** enables real-time conversations tied to specific listings using Socket.IO. Features include unread message tracking, read status, and organized chat grouping, all presented through a clean, modal-based messaging UI.

Additionally, navigation and UX were significantly refined. After initial testing with bottom tab navigation, the layout was reverted to a **hamburger menu**, improving accessibility. A floating message button was added to provide quick access to chats, with real-time unread badge counts. Performance optimizations reduced lag between screen transitions.

Lastly, an **admin dashboard** was developed, allowing administrators to manage users through banning or suspending actions based on reports, ensuring marketplace safety and integrity.