Caio Mauro

CS499

**TREASURE HUNTER**

The final project I worked on was PagePal from CS360, a mobile application designed for tracking daily readings and setting goals. The original version used a basic local database for user sessions and data storage. My enhancements focused on improving user session management, adding an admin panel, and refining the database handling to ensure better data security and user management.

The enhancements included implementing a more consistent user session method and adding an admin role with privileges to view and manage all user data. These changes aimed to address the security and functionality aspects of the application, ensuring that user data is handled securely and that administrative tasks are efficiently managed. Despite some initial challenges with the testing environment, the enhancements demonstrate my ability to tackle both user-facing and backend aspects of mobile application development.

This project exemplifies my commitment to creating secure and user-friendly applications. By addressing issues related to user sessions and administrative controls, I showcased my understanding of security principles and my ability to enhance an application's functionality. The updates align with the course outcome of developing a security mindset and ensuring that applications are robust and secure.

The PagePal enhancements reflect my skills in mobile app development and my focus on improving both user experience and system security. This project demonstrates my ability to handle complex tasks and implement meaningful updates that enhance the overall quality of the application.