StudySync: A React Native Study Planner for Academic Task Management and Productivity

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**Abstract**

The project aims to develop **StudySync**, a feature-rich mobile app designed to help students maintain consistent study routines and stay on top of assignments and deadlines. Built using React Native, the app will incorporate essential course concepts such as component-based UI design, seamless navigation using the React Navigation library, robust data management, and storage integration via AsyncStorage for offline access. StudySync will support the complete CRUD lifecycle for study tasks, enabling users to conveniently add, view, update, and delete their academic activities. The app will offer a clean and intuitive interface, a dashboard view for tracking upcoming or day-specific tasks, and a visual progress tracker that reflects study consistency to enhance user engagement and motivation. Two of the three team members will contribute equally by developing one central feature each, ensuring a fair division of development responsibilities. The team will collaborate using GitHub Codespaces, where project progress and individual contributions will be documented in a dedicated MEETINGS.md file. Final deliverables will include the fully functional mobile app, a detailed report, presentation slides, and a concise demo video.

**Keywords:** React Native, Study Planner, Mobile App, Academic Productivity, Task Management, CRUD Operations, AsyncStorage, Navigation, Components, UI/UX

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