

The Merdead calendar app platform is designed to enhance engagement among students and staff with the variety of events on campus. It allows users to explore, and participate in academic, cultural, and social events, offering real-time updates, detailed event descriptions, timings, and venues. This ensures the campus community is well-informed and connected, supported by user-friendly navigation and interactive features that promote an active university life.

The project group consisted of three main members focusing on critical aspects of the app: Sakayt and Rohit developed the user interface, aiming for an intuitive and accessible design to meet the diverse needs of the community, while Cole was tasked with backend development, creating an algorithm for real-time event updates to enhance reliability and user trust. Their collaborative efforts ensured that the application was both functional and aesthetically pleasing, facilitating easy access to event information.

Incorporating fundamental object-oriented programming principles, the team utilized inheritance through the Functional Component library to enable live updates of event data, and polymorphism to manage various screen displays maintaining a consistent user interface. These technical strategies not only simplified development but also improved user experiences across different parts of the app. Moving forward, the team plans to introduce personalized features like event recommendations based on user preferences to make the app even more engaging for the UC Merced community.