

**Team: CalendaLink**

## **Project Proposal: Shared Calendar Application**

### **Project Overview**

The Shared Calendar Application is designed as a collaborative tool enabling multiple users to create, view, and edit events in real time. Changes made by any user are instantly synchronized across all connected devices, ensuring that everyone remains up-to-date with the latest schedule changes and event additions. This application has practical uses in various scenarios, including team project coordination, personal event planning, and scheduling for organizations or families.

### **Objectives**

- **Real-Time Synchronization:** Ensure that all calendar events and changes are synchronized instantly for all users.
- **User Collaboration:** Allow multiple users to collaboratively manage events while avoiding conflicts or duplication.
- **User Experience (UX):** Provide a smooth and intuitive interface for event creation, viewing, and modification.

### **Key Features**

1. **Event Creation and Modification**
2. **Real-Time Synchronization**
3. **Permissions Management**
4. **Notifications**
5. **History and Rollback**

### **Benefits and Practicality**

- **Enhanced Collaboration:** Simplifies scheduling and coordination, making it highly useful for teams, families, and groups.
- **Educational Value:** The project covers essential concepts like real-time data synchronization, database management, and user authentication, making it a valuable learning experience.
- **Scalability:** The app's core concept can be extended with additional features like task management or integration with third-party calendars, offering great potential for future growth.