RELAY IOS APP PROJECT PROPOSAL: WHY WE NEED RELAY

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ABSTRACT

The Relay app is is intenended to be an IOS application where the user starts a timer that will notify their contacts if the timer is not deactivated in time. Its purpose is to connect and reduce alert time for users who engage in solo activities such as running, hiking, etc., and may become incapacitated.

1 PURPOSE AND OBJECTIVE

The purpose of the Relay app is to reduce alert time and provide a safety connection for users who engage in solo activities such as running, hiking, etc., and may become incapacitated. The objective is to create thorough documentation, deploy the application on the iPhone App Store, and achieve user downloads with high satisifaction.

2 SCOPE

The scope of the project will include, but is not limited too, User Registration and Setup, Timer-Based Notification System, Emergency contact alert, Location Tracking, and Failsafe features. Its intention is to notify user-designated emergency contacts when the timer expires. It will utilize GPS to record and share the user's location at regular intervals or when an alert is triggered. What it won't cover is active search and rescue, Real-time monitering without user input, and medical dianostics or assistance. These things will be outside of the scope of the project and go beyond the intention of the application.

3 USER NEEDS

The target users for this application include outdoor enthusiasts solo adventurers, and individuals participating in high-risk activities. These users often venture into remote or secluded areas where immediate help may not be accessible, making it crucial to have a reliable way to alert someone if they encounter an emergency. Hikers, runners, and others require additional safety emasures, as typically the people who should know as soon as possible do not particiapate in said activites. Lastyl it can provide that added protection for safety-conscious individuals looking for added protection during their routines. By addressing these needs, the project provides a dependable, user-friendly tool for enchancing personal safety and improving response times in emergencies.

4 PRELIMINARY TIMELINE

Phase 1: Planning and Requirements Gathering (Weeks 1-2) Milestones:

- Finalize project scope, objectives, and functionality.
- Identify target users and their needs.
- Develop a detailed project requirements document.
- Create wireframes and mockups for the app interface.

Phase 2: Design and Prototyping (Weeks 3-5) Milestones:

- Design the app's user interface (UI) and user experience (UX).
- Finalize the architecture for features such as timers, notifications, and location tracking.
- Develop a clickable prototype to demonstrate basic functionality and flow.

Phase 3: Core Feature Development (Weeks 6-8) Milestones:

- Implement user registration and profile setup features.
- Develop the timer-based notification system.
- Integrate GPS location tracking and sharing functionality.
- Set up the notification delivery system (e.g., SMS, email, or app alerts).
- Build failsafe features, such as "Are You OK?" prompts.

Phase 4: Backend Development and Integration (Weeks 9-11) Milestones:

- Build and integrate the backend system for user data storage and notifications.
- Implement secure authentication and two-factor verification.
- Add offline functionality for timer and basic features.(MAYBE)

Phase 5: Testing and Quality Assurance (Weeks 12-14) Milestones:

- Perform usability testing with a small group of target users.
- Fix bugs and improve functionality based on feedback.
- Test edge cases, such as poor internet connectivity and false alarm prevention.

Phase 6: Deployment and Launch (Weeks 15) Milestones:

- Publish the app on app store.
- Provide documentation and tutorials for new users.
- Ensure a support system is in place for user feedback and issues.