Proposal for *Saheli*: A Women's Safety Application

Problem Statement

Women's harassment and safety remain critical concerns in India and around the world. Despite existing solutions, many safety apps rely on physical triggers like pressing buttons, which can be impractical during dangerous situations, especially if the victim is unable to access their phone. There is a need for an emergency response system that operates discreetly and efficiently, ensuring that help can be summoned even when the phone is inaccessible to the victim.

Solution

Saheli is a mobile application that addresses this need by leveraging voice-activated emergency alerts. The app automatically detects the word "help" at a specific amplitude and triggers an emergency response without requiring the user to physically interact with their phone. The response includes notifying the top five contacts (based on proximity), sharing real-time location data with emergency services (police, ambulance), and sending alerts to the nearest police station.

Key features include:

- **Fake Shutdown**: When help is triggered, the phone appears to shut down, but internal processes like location tracking and alerts continue running.

- **Fake Call Button**: Allows users to initiate a fake call in unsafe situations, discreetly recording key details (e.g., vehicle info) for later use by law enforcement.

- **Police Dashboard**: A backend system for real-time monitoring, alert management, crime zone analysis, and automated monthly reports.

Unique Selling Proposition (USP)

- **Voice-Activated Help**: No need for physical contact with the phone during emergencies.

- **Discreet Functionality**: Features like *fake shutdown* and *fake calls* ensure the attacker remains unaware of the triggered alarm system.

- **Real-Time Crime Monitoring**: Police dashboard with live tracking, crime zone mapping, and automated reporting.

- **Proactive Safety Approach**: Unlike traditional SOS apps, *Saheli* operates without user interaction, making it more effective in critical situations.

Market Scope

The market potential for *Saheli* is vast, driven by rising concerns about women's safety. Key segments include:

- **Individual Users**: Women in urban areas, frequent travelers, students, night-shift workers, and solo commuters.

- **Corporate Sector**: Companies offering *Saheli* as part of employee safety programs, especially in high-risk industries.

- **Government and Smart Cities**: Partnerships with law enforcement agencies and integration into smart city safety initiatives.

- **Healthcare and Emergency Services**: Enhancing the speed and accuracy of response during crises.

With the increasing penetration of smartphones, the app has the potential to reach millions of users and become a standard safety solution.
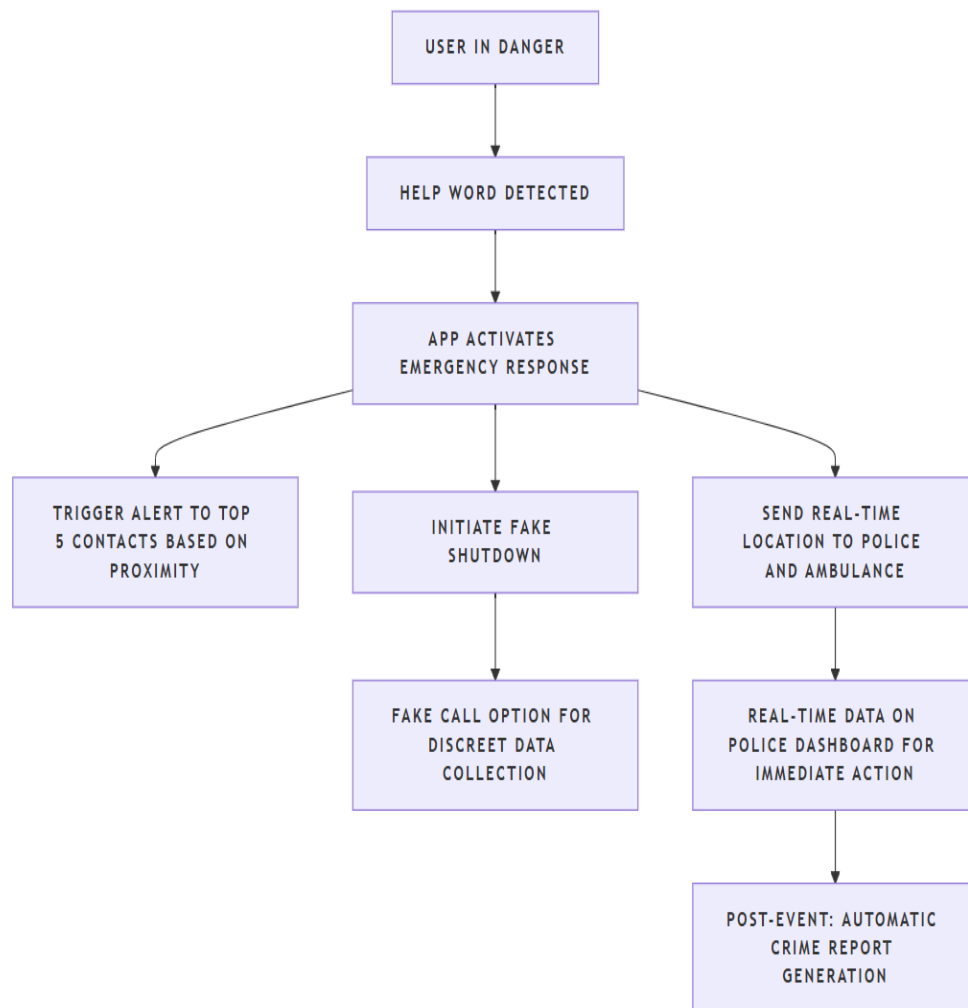
Current Development Stage

The *Saheli* app is currently in the prototype stage, with key functionalities like voice-activated alerts, fake shutdown, and fake call features implemented. Initial testing has been successful, and the police dashboard is in the development phase, where we are refining real-time tracking and crime zone mapping.

Next steps include:

- Comprehensive testing of the app in real-world scenarios.

- Integration with police and emergency services.

- Marketing outreach and partnerships with safety organizations and corporate sectors.

Flowchart

Other Considerations

- **Scalability**: *Saheli* can be easily scaled for global markets, adjusting to different languages for voice detection.

- **Data Privacy**: All personal information and location data will be encrypted to ensure user safety and privacy.

- **Revenue Model**: The app can be monetized through premium features, corporate partnerships, and integration with smart city infrastructure.

- **Collaboration**: The project has potential for collaboration with law enforcement, NGOs focused on women's safety, and emergency response organizations.

Conclusion

Saheli offers a unique, technology-driven solution to women's safety issues, providing real-time assistance in emergency situations. By focusing on discreet, automatic response systems, the app aims to address a gap in existing safety solutions and empower women with better tools to protect themselves. Through partnerships, further development, and scalability, *Saheli* has the potential to become a widespread safety tool.