MAWJOOD Documentation

1. Project Planning & Management

Project Proposal:
- **Project Title:** Mawjood (Emergency Assistance Application).
- **Overview:** Mawjood is a specialized mobile application designed to act as a digital lifeline for all types of emergencies (medical, fire, security). It serves as a high-speed alternative to traditional emergency voice calls, reducing waiting times and bridging the gap between victims and responders.
- **Objectives:** To provide a "shortcut" for the long waiting times associated with calling emergency numbers. To offer immediate, "fast and useful help" for people in trouble through a simplified UI. To minimize user input during high-stress situations using one-tap SOS features.
- **Scope:** The project focuses on the UI/UX design and prototyping of the mobile application, specifically tailored for users in distress, alongside the conceptual design of the dispatcher backend.

Project Plan:
Timeline: 4 Weeks.
- **Phase 1:** Research & Requirements Gathering (Week 1).
- **Phase 2:** UI/UX Design (Wireframing & High-Fidelity Prototypes) (Week 2).
- **Phase 3:** Interaction Design & Testing (Week 3).
- **Phase 4:** Final Documentation & Presentation (Week 4).

KPIs (Key Performance Indicators):
- **Response Time:** Reduction in time from incident occurrence to dispatcher notification.
- **UI Accessibility:** Success rate of users launching an SOS alert within 3 seconds of opening the app.
- **Location Accuracy:** Precision of the geolocation data sent to responders.

2. Requirements Gathering

1. **Stakeholder Analysis:**
- **Primary Users:** Individuals in distress needing immediate help (medical, fire, or security threats).
- **Emergency Responders:** Ambulance drivers, Police officers, Firefighters receiving the alerts.
- **Dispatchers:** Central command units monitoring the incoming SOS signals.
2. **User Stories & Use Cases:**
- "As a user in a dangerous situation, I want to report a crime silently without speaking, so I don't alert the attacker." (Addressed by the **Audio Recording** and non-verbal reporting UI).
- "As an injured person, I want to request an ambulance with one click so I can get help while unable to talk." (Addressed by the **One-Tap SOS** and **Medical Icon** shortcut).

3.   **Functional Requirements:**
- **Emergency Reporting:** Ability to report specific incidents (Fire, Theft, Medical) via dedicated buttons.
- **Media Evidence:** Capability to record audio or take photos of the scene as part of the report.
- **Geolocation:** Real-time map integration to pinpoint the user's exact location for responders.

3. System Analysis & Design

1. Problem Statement & Objectives:
- **Problem:** Traditional emergency calls often involve long hold times, language barriers, and difficulty in verbally conveying precise locations during panic.
- **Objective:** Mawjood solves this by automating the "Call for Help" process, sending data (Type of Emergency + Location + Audio) instantly to the nearest available responder.

2. UI/UX Design & Prototyping

Wireframes & Mockups: The visual design of Mawjood focuses on clarity and urgency. Key screens include:
- **Educational Onboarding (Idea 1):** A set of illustrated walkthroughs explaining the core value: "Help is on the way" (Ambulance, Police) using friendly, reassuring graphics to build trust.
- **Home Dashboard:** The central hub features a clean interface with a massive red "Alert" button surrounded by categorized emergency services (Police, Fire, Ambulance, Tow Truck) for quick selection.
- **Incident Reporting:** A focused screen for recording audio evidence (visualized by sound waves) and adding details to the report before submission.

UI/UX Guidelines:

- **Color Palette:** The design utilizes a dominant **Emergency Red** (#D32F2F approx) to signify urgency and alert status, paired with **White** and **Dark Grey** for high contrast and readability.
- **Typography:** Large, bold fonts are used for primary actions (e.g., "SOS", "Confirm") to ensure legibility under stress
- **Iconography:** Universal, easily recognizable icons (Flame for fire, Cross for medical, Hat for police) are used to bypass language barriers.

4. Final Presentation & Reports

User Manual:
- **Login:** Enter your mobile number and the code sent via SMS.
- **Setup:** Go to "Settings" to fill in your profile and medical info.
- **Emergency:** On the home screen, tap the icon matching your emergency (e.g., Fire).
- **Record:** Hold the microphone button to record a voice message if safe to do so.
- **Send:** Tap the large red button to alert the nearest unit.