Normal Scenario

1. The user adds SOS contacts.
2. The microphone provides the audio input.
3. The system then processes the the noise to identify any scream or noise that can suggest that the user is in danger.
4. The GPS keeps then tracks the current location of the user.
5. The system then formats the noise detected and GPS coordinates and sends it to the designated SOS contacts.
6. The respective SOS contacts are then pinged with the SOS message.no SOS messages have been sent at all
7. The user is then pinged and is asked to confirm the SOS message just in case the message was a false positive.

Alternate Flow Of Events

3. The system does not identify any noise that suggests that the user is in danger.

Exceptional Flow Of Events

1. No SOS contacts have been added.
2. The microphone is not receiving any noise input.
3. The GPS is not enabled or is not working properly
4. The format is not viable or no SOS messages have been sent at all.