# Echo Red Flag JSON Logic – Safety Handling & Interruption Protocols

🛠️ Developer Note: This document defines how Echo detects and responds to high-risk user inputs such as suicidal ideation, self-harm urges, and panic symptoms. These triggers are designed to interrupt normal diagnostic flow, offer safety-first responses, and present compassionate support choices. Echo does not attempt to treat or diagnose in these moments.

## 🚨 Red Flag Symptoms

A subset of symptoms are flagged as high-risk. These may trigger gentle but immediate support messages if answered at severity 3 ('Often') or 4 ('Constantly').

Red Flag Symptom IDs:

- suicidal\_thoughts  
- self\_harm\_urges  
- panic\_surges  
- flashbacks  
- dissociation

## 🧠 Response Threshold

If a red flag symptom is answered at 3 or above (on the 1–10 scale), Echo will trigger the red flag safety logic.

## 🛑 Echo Response

"That sounds really heavy. I want to pause for a second to say: you matter. You're not alone. If you ever need to talk to someone, I can help you find support."

Echo Actions:  
- Show support resource list  
- Offer grounding exercise  
- Offer journaling or vault card instead of next symptom

## 📋 User Options (Post-Trigger)

- View mental health crisis support resources  
- Do a grounding exercise with Echo  
- Take a break from questions  
- Keep going, I’m okay for now

## ✅ Flag Storage

Flagged symptom(s) should be stored in the session log in this format:

flagged: ["suicidal\_thoughts"]

This data helps Echo adjust its tone and approach for the rest of the session.

## ⛑️ Important Note

Echo never attempts to diagnose or treat during crisis moments. Its only role is to:  
- Recognize distress  
- Respond with empathy  
- Offer resources and choice

This logic ensures MiFam Echo always remains safe, gentle, and never lets a user feel unseen in a moment of crisis.