

Presence-Pulse – Phase 1 Execution Prompt

Objective:

Build the Core Behavior Detection Engine using simulated interaction tracking. By the end of Phase 1, the app must detect short sessions (micro-checks), identify burst patterns within a 10-minute window, and flag Attention Drift.

Phase 1 – Implementation Checklist:

- 1. Create src/services/contextEngine.js to hold all behavior logic.
- 2. Implement session tracking when Social Mode starts and ends.
- 3. Store session data (startTime, endTime, duration).
- 4. Define Micro-Check rule: If duration < 20 seconds → classify as microCheck.
- 5. Maintain microCheckCount and log detection clearly.
- 6. Implement burst detection: Count microChecks in last 10 minutes.
- 7. If microChecks ≥ 5 in 10 minutes → set attentionDrift = true.
- 8. Display simple on-screen message: 'Attention drift detected.'
- 9. Log all events in console for demo clarity.

Definition of Done:

Phase 1 is complete when:

- Social Mode correctly starts and ends session tracking.
- Micro-checks are detected reliably.
- Burst detection triggers Attention Drift accurately.
- The system runs smoothly on a physical device.