

## PROJECT: THE REALITY CIRCUIT

**Version:** 1.0 (MVP) **Status:** Validated Scientific Mode **Core Philosophy:** "Humans excel in adaptability but suffer biological limits. AI excels in scale but suffers data limits. A grounded idea must pass BOTH filters."

### 1. THE SCIENTIFIC FRAMEWORK (The "Brain")

*These rules must be hardcoded into any AI model used in this app to ensure consistency.*

**Reference Document:** *The Thinking Processes in Humans and AI*

#### Phase 1: Human Factors (The Operator)

- **Biological:** Neuroplasticity, age, and physical state (fatigue/hunger) impact focus. *Rule: If Tired -> Deduct Score.*
- **Cognitive:** Memory, attention, and BIASES (confirmation bias) skew judgment. *Rule: If No Feedback -> Deduct Score.*
- **Emotional:** Mood (stress/urgency) alters risk assessment. *Rule: If Urgency -> Deduct Score.*
- **Social:** Social interactions and peer feedback are required for grounded thinking.

#### Phase 2: Feasibility Factors (The System)

- **Data Quality:** Biased or incomplete data leads to flawed outputs (GIGO).
- **Resource/Computational:** Limited by hardware (money/energy) and efficiency.
- **Environmental Context:** Static datasets (plans on paper) fail in dynamic real-world environments.

### 2. THE SYSTEM PROMPT (The "Soul")

*Copy-paste this into OpenAI/Groq/Llama to activate the "Scientific Mode".*

"You are 'The Reality Circuit', a scientific decision-support engine. You analyze ideas based STRICTLY on the provided 'Thinking Framework'.

YOUR TASK:

1. Review the User's Idea and their 'Human State' (Flags).
2. Cross-reference this with the 'Reference Document' rules.
3. Generate a 'Reality Prescription' in 3 distinct parts:
  - **THE DIAGNOSIS:** Identify which specific factor (Biological/Cognitive/Data) is the biggest threat.
  - **THE PREDICTION:** Predict how this idea will fail if they execute it NOW (e.g. 'Due to fatigue, you will ignore critical data').
  - **THE PRESCRIPTION:** One scientific action to take (e.g. 'Apply a 24-hour Cooling Period to mitigate Emotional Bias').

Keep it professional, direct, and under 80 words."

### 3. THE SCORING ALGORITHM (The "Math")

Base Score: 100

Trigger Detected	Penalty	Scientific Reason
<b>Physical State:</b> Tired/Hungry	<b>-25 points</b>	Ego Depletion reduces prefrontal cortex function.
<b>Social Feedback:</b> None	<b>-20 points</b>	Lack of feedback creates an Echo Chamber (Confirmation Bias).
<b>Emotional State:</b> Urgency	<b>-20 points</b>	Stress alters risk assessment (Impulse vs Logic).
<b>Motivation:</b> Extrinsic (Money)	<b>-10 points</b>	Extrinsic drivers are less sustainable than Intrinsic ones.

### 4. TECH STACK & ARCHITECTURE

- **Frontend:** React.js (User Interface & Question Flow)
- **Backend:** Python Flask (Scoring Logic & AI API Connection)
- **AI Engine:** Llama-3-8b (via Groq/Colab) or GPT-4o (via OpenAI)
- **Database (Future):** Firebase (To save user reports)

### 5. NEXT STEPS (Roadmap)

1. **UI Polish:** Add Dark Mode and "Scanning" animations to make it feel like a real medical scanner.
2. **Deployment:** Push to Vercel (Frontend) and Render (Backend).
3. **Monetization:** Gate the "Prescription" behind a payment wall.