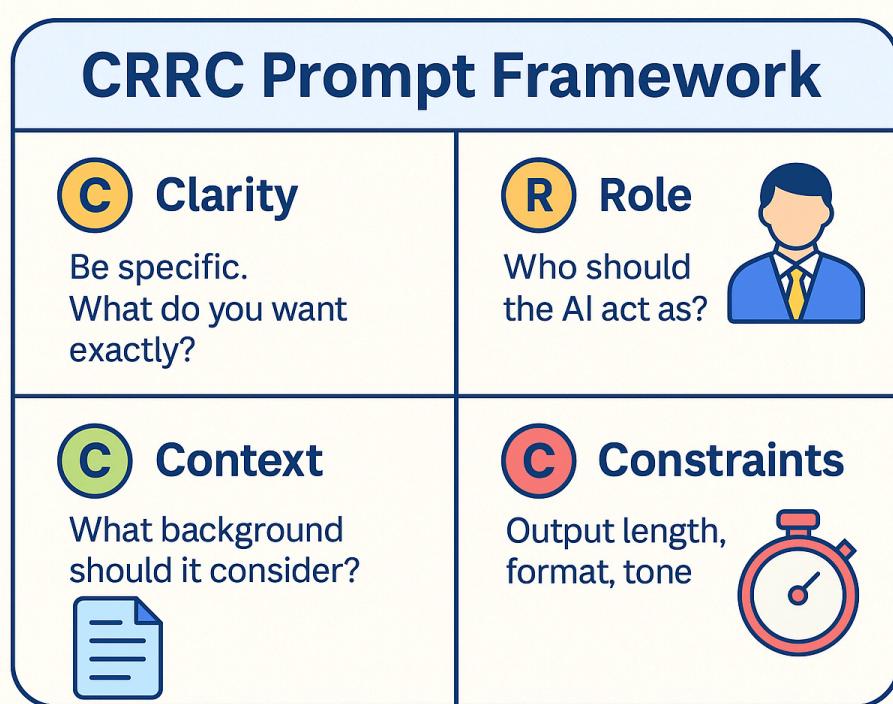


Prompting & Hallucination Control – Cheat Sheet (Module 2)

CRRC Prompt Framework:

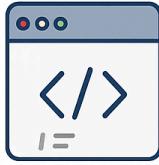
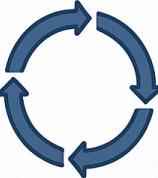
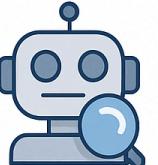
- Clarity: Be specific. What do you want exactly?
- Role: Who should the AI act as?
- Context: What background should it consider?
- Constraints: Output length, format, tone.



Prompting Techniques:

- Use adjectives in roles (e.g., 'skeptical journalist').
- Demand structure (JSON, Markdown, List, Table).
- Use iterative refinement: Draft → Test → Analyze → Revise.
- Apply system messages for persistent behavior.
- Use tool/function calling for external data or actions.

PROMPTING TECHNIQUES

Adjective-Based Roles	Structured Output	Iterative Refinement	System Message Setup	Tool/Function Calling
„skeptical journalist“ “friendly tutor” 	JSON, Markdown, Table, List 	Draft → Test → Analyze → Revise 	Persistent roles or rules 	External search, calculator, APIs 

Prompt engineering is a craft. These techniques let you shape behavior, format, and accuracy.

Visual AI Prompting

- Image: Describe subject, setting, style, and lighting.
- Video: Describe motion, scene change, and style.

Visual AI Prompting



Image Prompt

“Epic fantasy landscape, glowing waterfall, volumetric lighting, painterly style”

Subject

Setting

Style

Lighting



Video Prompt

“Slow-motion raindrop hitting a puddle, cinematic moody lighting”

Motion

Scene Change

Camera Movement

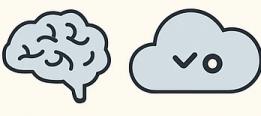
Style

Visual AI needs vivid, structured descriptions. For motion, think beyond still scenes—describe the *change*.

Detecting Hallucinations:

- Be skeptical. Does it sound too perfect?
- Look for vague/unsupported claims.
- Ask: “Does this match what I know?”

Detecting AI Hallucinations

Be Skeptical	Vague or Unsupported?	Reality Check
 Too perfect? It probably isn't. “In 1845, Google invented the Internet”	 No source, no numbers? Watch out. “Some studies say...”	 YES NO Does this match what I know?

Strong prompts help, but hallucinations still happen.
Train your eye to catch them.

Mitigation Strategies:

- Ask AI to say “I don’t know” if unsure.
- Provide grounding context in the prompt.
- Lower temperature for more factual output.
- Use fact-checking tools (e.g., Perplexity).

Mitigating AI Hallucinations



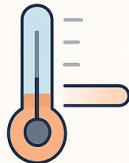
Say “I Don’t Know”

Enable fallback response
Encourage honesty when unsure



Ground the Context

Add supporting info to prompt
Supply real data or background



Lower the Temperature

Reduce randomness
Better for facts, less creativity



Use Fact-Checking Tools

Verify claims externally
Cross-check trusted sources

You can't eliminate hallucinations completely—but you can design around them.