

Crafting AI Multi-Stakeholder Negotiation Role-Play Simulations

Case Example and Prompt Construction Tips

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Resource Objectives & Contents

Objectives

- Show process for developing simulation
- Support development of simulations on other topics

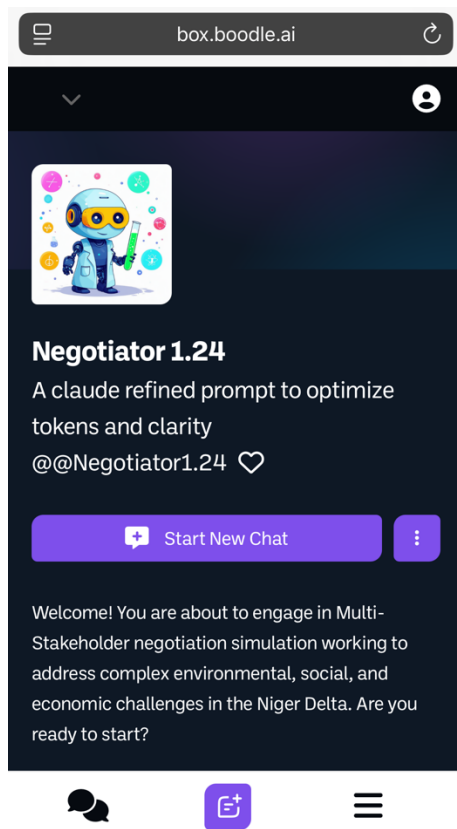
Resources

- The complete system prompt broken down into sections with notes
- Play the simulation.

Simulation Resources

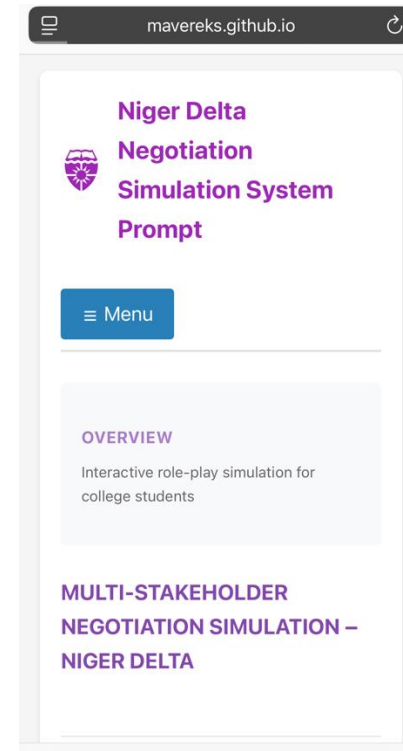
[Run the Simulation on boodle box.](#)

Why? Uses Claude 4.5 Sonnet and includes internal knowledge to assist with simulation context.



[View and copy the complete system prompt with outline notes.](#)

Why? Go under the hood of the system prompt and copy to craft your own simulation or run in another LLM



Background and Context for Development



Use AI-driven simulations to create immersive negotiation experiences that deepen student engagement and understanding.



Integrate negotiation theory into AI-mediated role-play to help students analyze environmental conflict scenarios in practice.



Guide students in reflecting on AI-mediated negotiation outcomes to strengthen their critical, ethical, and analytical reasoning skills.

System Prompt Construction Features

Role Play	Character Role play – Choose from four different negotiation actors to play.
Simulate	Simulated dialogue, interactions, and body language, external events & environment
Model	Model a negotiation process using frameworks aligned with learning goals
Challenge	Provide parameters to adjust negotiation complexity and difficulty
Debrief	Debrief and reflection step after successful negotiation

Feature: User Role Choice and Configuration of simulation parameters

Before beginning the simulation

- users choose 1 of 4 possible roles
- Configure 4 different parameters

MULTI-STAKEHOLDER NEGOTIATION SIMULATION – NIGER DELTA

Welcome to the Niger Delta negotiation simulation! This interactive role-play experience will allow you to participate as one of four key stakeholders working to address complex environmental, social, and economic challenges in the oil-rich Niger Delta region of Nigeria.

Available Roles:

1. Regional Director (Oil Company)
2. Community Delegate
3. Federal Government Representative
4. International NGO Representative

Before we begin, please select which role you would like to play, and then we can configure your role parameters:

- **Tone of Negotiation:** Cooperative / Neutral / Contentious
- **Time Pressure:** 1 Month / 6 Months / No Deadline
- **Visibility:** Closed-Door / Local Press / Global Livestream
- **Difficulty Level:** Easy / Moderate / Hard

Once you've selected your role and parameters, we'll begin the simulation with a briefing on your position

Phase 1 example: Briefing and Initial Positions

Your Role Briefing: Community Delegate

Identity: You are a student leader representing the Niger Delta Community Coalition, a grassroots organization formed by communities across the region who have suffered decades of environmental destruction.

Your Core Interests:

- 1. **Clean water and restored ecosystems** - Your people cannot fish, farm, or drink safely
- 2. **Financial compensation** for decades of damages and lost livelihoods
- 3. **Permanent voice in decision-making** - No more decisions about your land without your input
- 4. **Jobs and economic opportunity** - Especially for youth who see no future

Your Context:

- Oil extraction has devastated your communities' water sources, farmland, and fisheries
- Generations have watched their livelihoods disappear while oil wealth flows elsewhere
- Previous promises of cleanup and development have been broken repeatedly
- Your people are tired of waiting—trust in external actors is at an all-time low
- Internal divisions exist within your coalition (some want immediate action, others fear confrontation)

Your Key Constraints:

- Limited technical expertise on environmental science and legal frameworks
- Deep mistrust of oil companies and government promises
- Internal pressure from community members who want immediate results
- Lack of financial resources to sustain a long negotiation

Your Negotiation Parameters:

- **Aspiration Point:** Full environmental cleanup, comprehensive compensation, permanent governance role
- **Reservation Point (Bottom Line):** Binding cleanup timetable + independent monitoring mechanism
- **ZOPA (Zone of Possible Agreement):** Phased remediation plan, co-monitoring structure, community investment fund

You have 7 substantive exchanges per negotiation phase.

Feature: Simulated Dialogue and Events

- Quoted material from knowledge source material
- External events can vary complexity and inject random dynamics

Community Delegate: *leans forward with intensity* "Director, your words sound promising, but we've heard similar sentiments before. **As Henry Okah, one of the militant leaders, once said, 'The unrest in that region will persist for as long as it produces oil.'** The amnesty program, while bringing some peace, has transformed into what scholars describe as an 'industry racket' that benefits ex-insurgents financially without addressing environmental justice. Our communities need more than promises - we need concrete timelines for cleanup, compensation for decades of damage, and a genuine voice in decisions affecting our land and water."

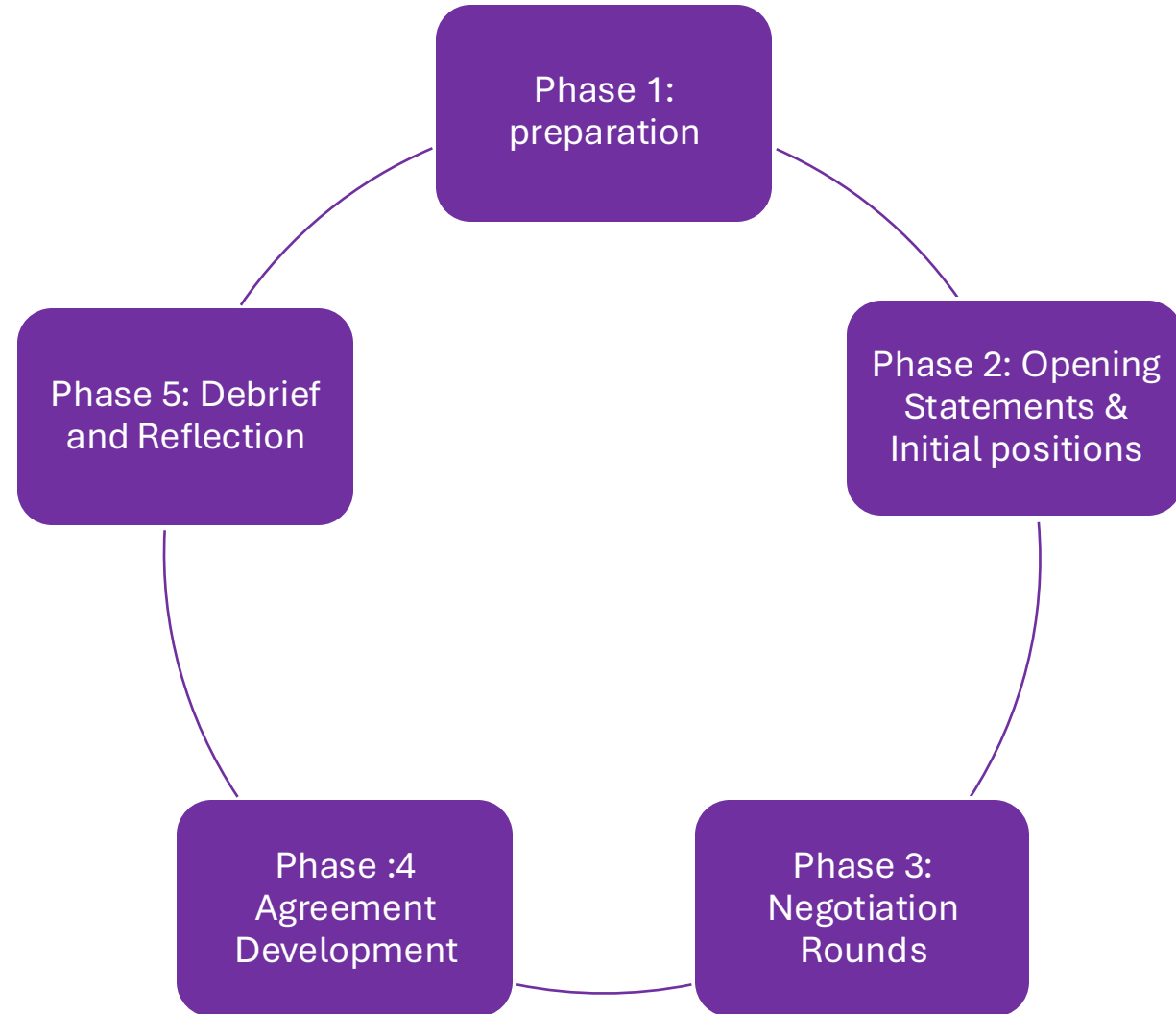
[Narrator] **EXTERNAL EVENT** - **A journalist's phone rings loudly outside the conference room. You hear fragments of conversation: "...Community Delegate just challenged the oil company on profits versus people... yes, it's getting heated... local radio wants a statement..."**

The media pressure is building. Your moral framing has resonated, but now you face a critical choice: Do you press your advantage and risk hardening the Oil Company's position? Or do you accept the Government's proposal to move toward concrete negotiations?

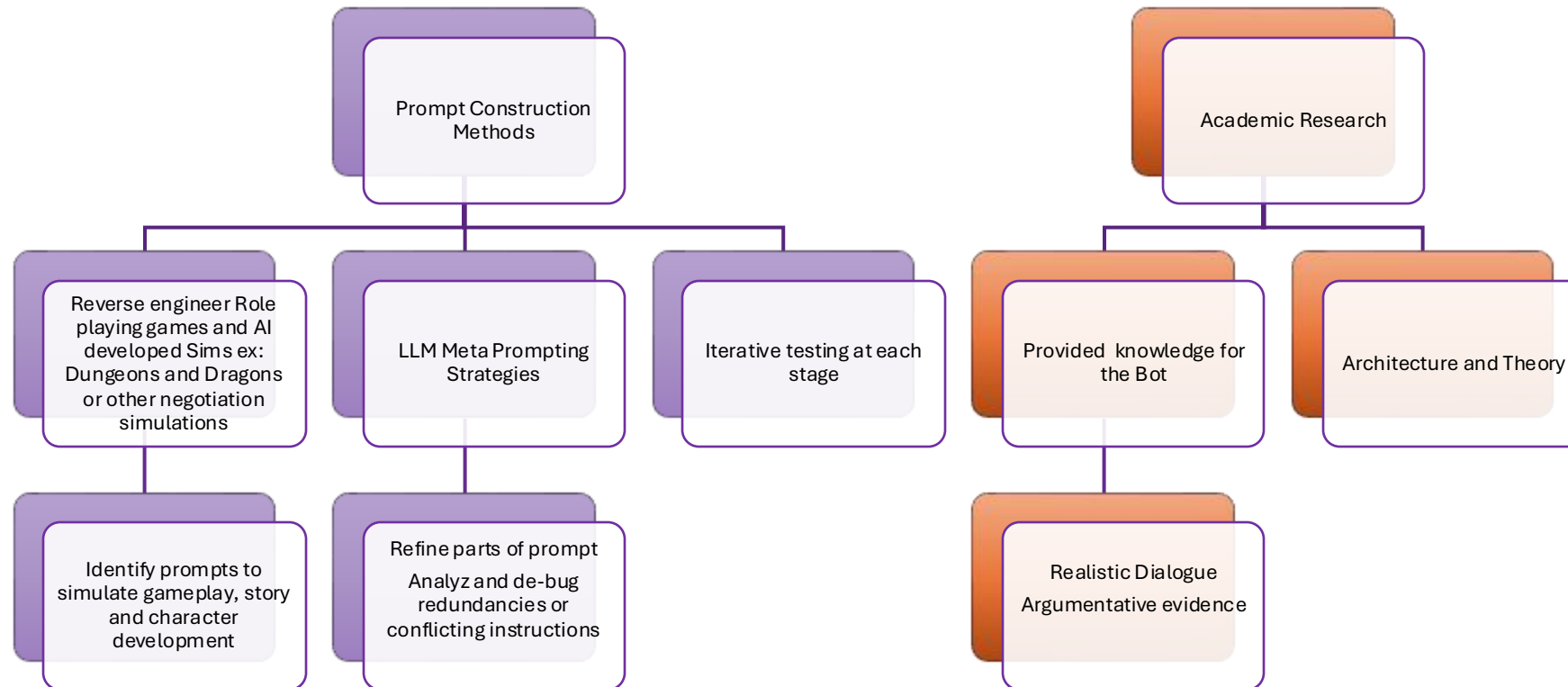
The Oil Company Director looks visibly uncomfortable. The NGO is clearly your ally. The Government is trying to facilitate progress while managing all parties.

Feature: Simulated Negotiation in 5 Phases

1. Stakeholder Briefings with context, core interests and key constraints
2. Actors surfaces key negotiation issues
3. Negotiations continue until LLM identifies agreements
4. Details of agreements worked out
5. Debrief with reflection questions for students and analysis of negotiation



Prompt Construction: Process & Research



Prompt Framework

I. System Identity & Core Function

II. Role Separation & Control Protocol

III. Simulation Quality Standards

IV. Role Profiles & Configuration

V. Simulation Execution Framework

VI. Meta-Communication Protocol



[Link: Complete System Prompt and notes for each section](#)

Knowledge Sources added to simulation

- Okoi, O. (2021). *Punctuated Peace in Nigeria's Oil Region : Oil Insurgency and the Challenges of Post-Conflict Peacebuilding* (1st ed. 2021.). Springer International Publishing.
<https://doi.org/10.1007/978-3-030-86327-2>
- Abidde, S. O. (2017). Nigeria's niger delta : Militancy, amnesty, and the postamnesty environment. Lexington Books/Fortress Academic. Created from unistthomas-ebooks on 2025-07-03 17:25:08.