

# Conversation Flow

**Team Name:** Automode (Shouryamaan Jain & Arag Agrawal)

**Product Name:** Cohora

**Submission:** 3 - Conversation Design

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## 1. Flow Design

Because Cohora is built on a Custom Stack (LLM + Vector DB + Graph DB), our conversation flow is not a rigid linear tree. Instead, it is Intent-Driven. The system dynamically retrieves data based on the user's natural language and constructs a response that includes a subset of three elements: The Person, The Evidence, and The Path.

## 2. User Intent Mapping

We have mapped the user journey into four primary intents. The custom stack parses the user input to route them to one of these handlers:

Intent	User Goal	System Action	Output Example
Discover	Find someone with a skill	Semantic Search (Vector DB)	"Here are the top 3 students who know React..."
Verify	See proof of competence	Retrieve Evidence (Repos/Posts)	"Arag built the 'FoodBuddy' app in 2024."
Connect	Find the intro path	Shortest Path Algorithm (Graph DB)	"You and Arag are both in the Tech Club"
Fallback	Vague or unclear input	Clarification Prompt	"I couldn't find a skill in that query. Try 'Who knows Python?'"

## 3. Scenarios

### ▼ Scenario 1

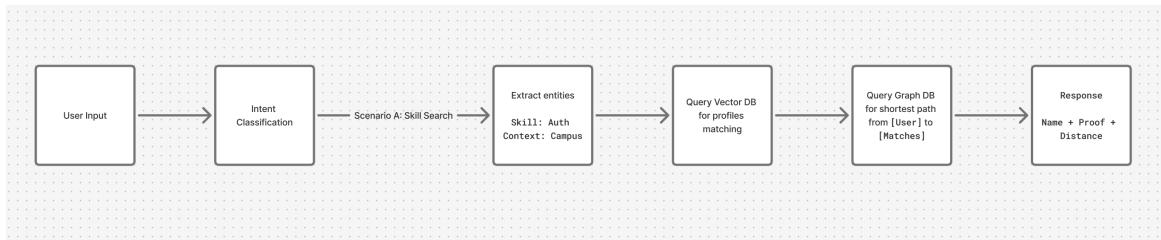
| Cohora: "Hi! I'm Cohora. Who are you looking for today?"

| User: "I need someone who has built authentication systems before."

**Cohora:** "I found 3 people who have shipped auth systems:

1. **Arag A.** (Built OAuth for the Hackathon App) — *2nd degree connection*.
2. **Rahul** (Wrote a blog on JWT tokens) — *1st degree connection (Same batch)*.
3. **Dev** (Interned at Auth0) — *3rd degree connection*.

Who would you like to connect with?"



## ▼ Scenario 2

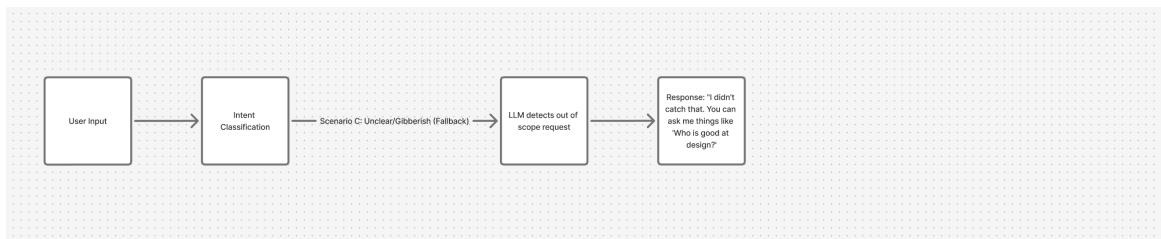
User: "Tell me more about Arag."

**Cohora:** "Arag is a senior.

**Evidence:** He wrote a post on Auth Systems 2 days ago.

**Connection Path:** You → Shouryamaan → Arag.

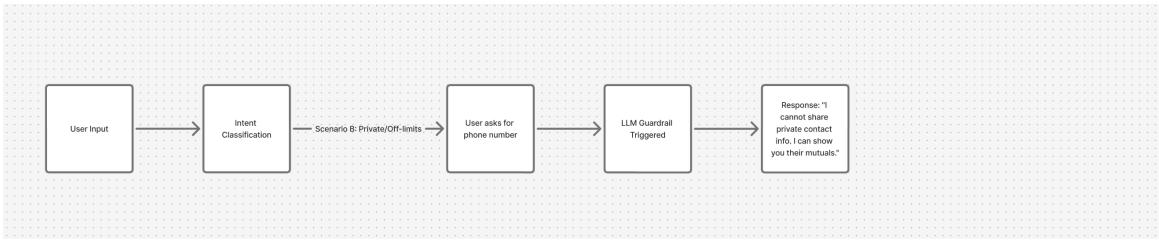
Would you like to know more about him?



## ▼ Scenario 3

User: "Find me a coding wizard."

**Cohora:** "I'm not sure what you mean a 'coding wizard'. I can help you find experts in **Python**, **Design**, or **Marketing**. Which one fits?"



## 4. Handling Deadends

A critical part of the flow is handling when the database returns zero matches. We avoid a dead-end by suggesting alternatives.

- **Trigger:** User searches for a niche skill (e.g., "Who knows COBOL?").
- **System Action:** Returns 0 direct matches.
- **Cohora Response:** "I couldn't find anyone with 'COBOL' listed explicitly. However, **Prof. Sharma** teaches Legacy Systems, or I can look for **C++** developers instead?"

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## 5. Closing the Loop (CTAs)

Every interaction ends with a Call to Action (CTA) to keep the flow moving:

- "Show me more matches."
  - "Filter by seniors only."
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