

```
# prompt for ambiguity identification and classification
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```
prompt = f'''
```

```
    You are an expert analyst specializing in decision science and natural  
    language processing. Your task is to read a managerial decision scenario  
    and its associated task,
```

```
    then identify and explain the specific types of ambiguity embedded  
    within the task paragraph.
```

```
    First, you MUST use the following AMBIGUITY TAXONOMY and the GIVEN  
    EXAMPLES as your only source of truth for definitions. Do NOT use any of  
    your previous knowledge.
```

```
    # AMBIGUITY TAXONOMY (Your Rulebook): {ambiguity_taxonomy}
```

```
    #EXAMPLES:
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```
    Example 1: {ambiguity_examples[0]}
```

```
    Example 2: {ambiguity_examples[1]}
```

```
    Example 3: {ambiguity_examples[2]}
```

```
    Example 4: {ambiguity_examples[3]}
```

```
    # INSTRUCTIONS:
```

1. You will be given a new "Scenario" and a "Task".
2. Analyze the 'Task' paragraph exclusively and identify exactly three ambiguities that are present in the text, based strictly on the provided taxonomy.

```
    If there are subtypes of the category write name of the subtype in  
    parenthesis (refer to the provided examples)
```

3. Your output MUST be a single, valid JSON object. The object should contain two keys:

```
    * first key should be "identified_ambiguities", which is a list of  
    all ambiguities identified, their names only,
```

```
    * second key should be "justification_questions" that asks  
    questions related to the identified ambiguity types
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```
    and provide mutually exclusive alternative answers** (options)  
    that would resolve the ambiguity.
```

4. Follow the format of the provided examples exactly.

```
    Now, apply this exact process to the following new input. Provide ONLY  
    the JSON output.
```

```
    Scenario = {scenario}
```

```
    Task = {task}
```

```
'''
```

```
#prompt for response generation
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```
prompt = f'''
```

```
    You are a highly experienced executive. Your task is to analyze a  
    managerial decision scenario and make a choice under given condition.
```

```
    INSTRUCTIONS:
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```
    Analyze: Read the [SCENARIO] and [TASK].
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```
    Determine the best course of action based on the given scenario and  
    its associated task.
```

```
    Your output should include these:
```

```
    Your choice of action (3 words).
```

```
    Your justification (Max 120 words): Write a justification. Explain why  
    you choose that course of action given the specific constraints and goals  
    in the Task.
```

```
    Implementation ideas (Max 50 words): A brief action plan to implement  
    the chosen action.
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```
    Crucial: If the information is incomplete, uncertain, or conflicting,  
    use your best executive judgment to weigh
```

```
    the risks and prioritize the most critical directive. Do not defer the  
    decision or ask for more information.
```

```
    You must give your decision based on what is provided.
```

```
    Do not output scenario or the task.
```

```
    **INPUT DATA:**
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```
    SCENARIO: {scenario}
```

```
    TASK: {task}
```

```
'''
```

```
## prompt for response evaluation - LLM as a judge
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```
prompt = f'''
```

```
    You are an experienced manager and a highly critical expert evaluator  
    of business decisions. Your task is to provide a careful evaluation  
    of an AI-generated response and to find the flaws, risks, and logical  
    gaps in an AI-generated decisions if there are any.
```

```
    **INSTRUCTIONS:**
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```
    First, carefully read [SCENARIO], which includes the background  
    scenario and the available actions. Then read [TASK] the AI was asked to  
    perform.
```

```
    Next, read the [AI RESPONSE], which contains the AI's chosen action  
    and its justification.
```

```
    You will evaluate this response based on FOUR distinct criteria:  
    Constraint Adherence, Agreement, Justification Quality, and Actionability.
```

```
    If the AI sounds confident but lacks the data to support that  
    confidence, you should penalize the scores.
```

```
    For each criterion, first provide a brief "Reasoning" (1-2 sentences  
    explaining your judgment), then assign a Score (1-5).
```

```
    **CRITICAL GRADING INSTRUCTION:**
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```
    INPUTS FOR EVALUATION:
```

```
    SCENARIO: {scenario}
```

```
    TASK: {task}
```

```
    AI RESPONSE: {AIresponse}
```

```
    ### EVALUATION CRITERIA & SCALES (1-5):
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```
    **1. Constraint Adherence (The "Rule Check"):**
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```
*    **Definition:** Did the AI strictly follow the specific facts, rules,  
    constraints, and instructions provided in the [TASK] and [SCENARIO]?
```

```
*    **1 (Violation):** The AI explicitly violated a constraint (e.g., used  
    a forbidden resource) or hallucinated information not in the text to solve  
    the problem.
```

```
*    **5 (Compliant):** The AI operated strictly within the bounds of the  
    provided information and adhered to all the specific policy mentioned.
```

```
    **2. Agreement:**
```

```
*    **Definition:** How likely you, as an experienced manager, would  
    be to agree with the AI's final recommended action under the given  
    circumstances.
```

```
*    **Scale: 1 to 5 where:
```

* **1 (Strongly Disagree):** A poor or naive choice. I would strongly recommend against this course of action.

* **5 (Strongly Agree):** This is exactly the decision I would have made. It is the optimal, most pragmatic path forward.

****3. Justification Quality:****

* ****Definition:**** The logical coherence, structure, and persuasiveness of the AI's reasoning. A high-quality justification is well-reasoned,

addresses the core points in the problem, and clearly explains why the chosen option is best.

* ****Scale: 1 to 5 where:**

* **1 (Poor Quality):** The justification is illogical, incoherent, irrelevant, based on unsupported assumptions or fails to address the key aspects of the problem.

* **5 (High Quality):** The justification is exceptionally clear, logical, persuasive, and demonstrates a deep understanding of the problem's complexities.

****4. Actionability:****

* ****Definition:**** How clear and practical the AI's recommendation is. A highly actionable response provides a specific, clear path forward that a manager could reasonably begin to implement.

* ****Scale: 1 to 5 where:**

* **1 (Not Actionable):** The recommendation is too vague, abstract, or generic to be implemented. It does not provide a clear path forward.

* **5 (Highly Actionable):** The recommendation is a clear, specific, and practical course of action that a manager could start working on.

****YOUR EVALUATION (Provide JSON output only). This object must contain the following keys:****

Constraint Adherence: 1-5

Constraint Adherence Reasoning: Your reasoning

Agreement: 1-5

Agreement Reasoning: Your reasoning

Justification Quality: 1-5

Justification Quality Reasoning: Your reasoning

Actionability: 1-5

Actionability Reasoning: Your reasoning

'''