Scenario Sketching

Introduction

This document outlines the approach to integrating generative AI into project workflows, informed by the Discover Phase. Key findings from market research, technology reviews, and particularly the interview with my manager, have been instrumental in shaping this strategy.

The interview with my stakeholder(Diederik) highlighted the significant potential of AI to enhance operational efficiency and precision in project management. Specifically, generative AI can automate complex processes and transform overarching project goals into actionable tasks aligned with strategic objectives. This automation not only streamlines task execution but also facilitates comprehensive monitoring of all project components.

The following scenarios will outline the functionalities of two AI bots – the **Project Decomposition Bot** and the **Sub-Element Breakdown Bot**. These scenarios aim to demonstrate the practical application of the gathered insights. The bots will showcase how a system works with specific use cases such as creating a **Business Model Canvas** for a client or developing a **brand guide**.

Scenario 1: Project Decomposition Guide (Project Planner Bot)

Project Context: A project manager is tasked with overseeing the transition to a hybrid work environment. This involves reorganizing physical office spaces, updating IT infrastructure, and developing new policies.

Objective: To develop a comprehensive plan that includes all necessary steps for the transition.

Steps:

1. **Input:**
    - The project manager inputs broad goals such as "Redefine Workspace Usage," "Enhance Remote Access Capabilities," and "Update Employee Work Policies."
2. **Breakdown Level 1:**
    - The system breaks down these broad goals into high-level tasks. For example:
        - "Redefine Workspace Usage" is broken down into:
            - Survey current space utilization.
            - Design new floor plans.
            - Implement flexible seating arrangements.
3. **User Interaction:**
    - The project manager reviews the initial breakdown and makes adjustments if necessary.
    - Once satisfied, the project manager initiates Breakdown Level 2.

4. **Breakdown Level 2:**
    - The system further breaks down the high-level tasks into detailed action points. For example:
        - "Survey current space utilization" is detailed into:
            - Schedule space utilization study.
            - Analyze survey data.
            - Report findings.
5. **Output:**
    - The system generates a JSON formatted guide that includes each step with detailed action points, dependencies, and deadlines.

Benefits:

- **Clarity:** Provides a clear roadmap for complex projects, ensuring all stakeholders have a common understanding of tasks and timelines.
- **Coordination:** Helps synchronize efforts across different departments, preventing bottlenecks and overlapping responsibilities.
- **Adaptability:** Can be customized for any organizational change project, making it a versatile tool for planning.

Scenario 2: Business Model Canvas Breakdown (Client Engagement Bot)

Project Context: A project manager is tasked with helping a client develop a Business Model Canvas for their new business venture.

Objective: To break down the Business Model Canvas into actionable tasks using inputs of objective, key results, and scope (In and Out).

Steps:

1. **Input:**
    - The client provides the overall objective, key results, and scope (In and Out).
2. **Breakdown Level 1:**
    - The system breaks down the Business Model Canvas into high-level components. For example:
        - "Value Proposition" is broken down into:
            - Identify customer needs.
            - Define product benefits.
            - Develop unique selling points.
3. **User Interaction:**
    - The project manager reviews the initial breakdown and makes adjustments if necessary.
    - Once satisfied, the project manager initiates Breakdown Level 2.

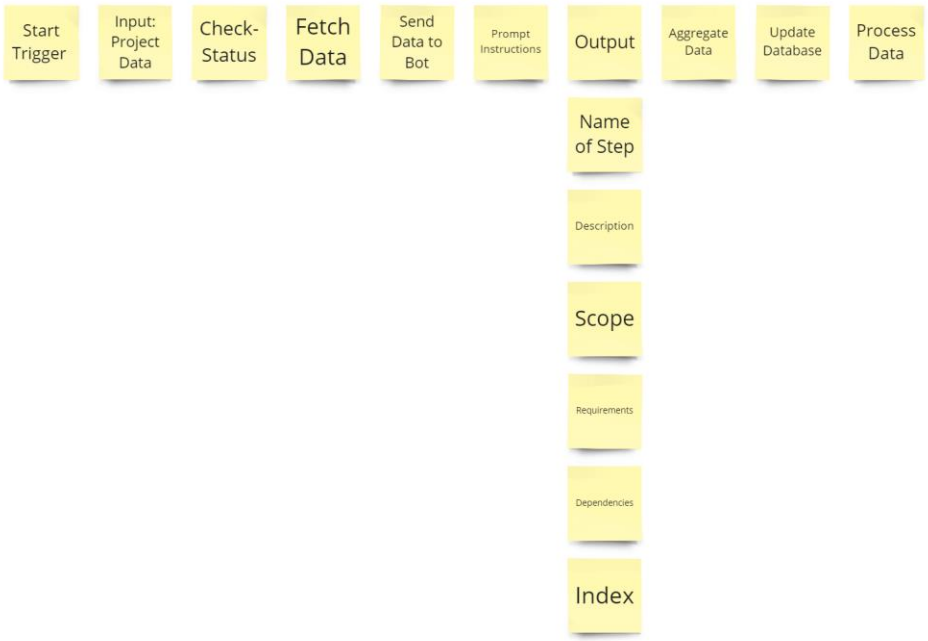
4. **Breakdown Level 2:**
    - The system further breaks down the high-level components into detailed tasks. For example:
        - "Identify customer needs" is detailed into:
            - Conduct market research.
            - Analyze customer feedback.
            - Compile a report of findings.
5. **Output:**
    - The system generates a structured JSON output that lists each task with detailed descriptions, dependencies, timelines, and key personnel responsible.

Benefits:

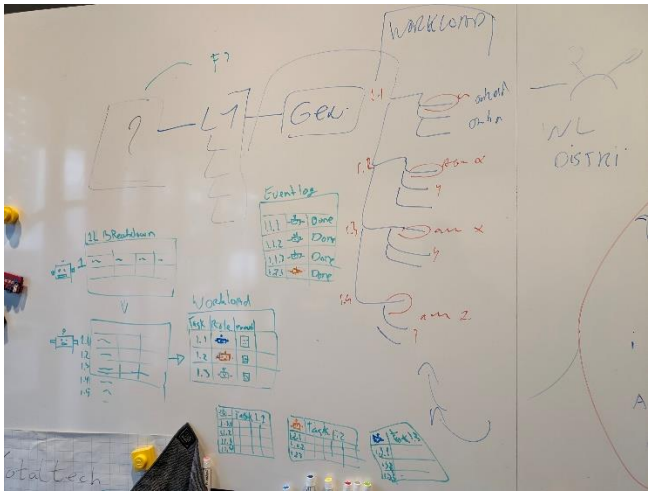
- **Efficiency:** Reduces the time needed for project managers to break down and assign tasks manually.
- **Accuracy:** Ensures all tasks are defined with all necessary details, reducing the risk of miscommunication.
- **Scalability:** Can be used repeatedly for different projects within the organization, adapting to different scopes and objectives.

Conclusion

These scenarios illustrate how the Breakdown System can be employed to enhance project management by breaking down complex tasks into actionable steps. The bots provide a practical example of how AI-driven automation can improve clarity, coordination, and adaptability in various project contexts. By integrating AI agents to perform actionable tasks and involving human oversight when necessary. These scenarios will serve as the foundation for further development and refinement, ultimately leading to the full integration of AI-enhanced project workflows.



This is how the workflow would be structured in the first level breakdown.



In this image I sketched out how the two different levels segment the initial input and processes that. Indexing the previous breakdown in order backtrack and send it off to other agents.