

Current Situation

Introduction

Henhouse had an idea about creating a system that uses AI to perform repetitive tasks more efficiently. The concept involved deploying AI generative agents that can handle these tasks, leveraging current AI capabilities. However, instead of creating the entire system, I chose to focus on a smaller, manageable component for my internship project.

Diederik discussed a reverse engineering function that would break down projects into smaller, actionable tasks. These tasks would later be executed by AI agents, primarily for project management purposes. This function serves as a critical component, not an entire system, aiming to improve project management efficiency.

To bring this idea to life, I was strongly advised to use n8n for automation and Notion for database management, supplemented by OpenAI for AI assistants.

n8n was selected for its user-friendly interface and effective integration with Notion and OpenAI, providing a robust framework for this proof of concept.

n8n is a low-code automation tool that allows users to automate workflows and integrate various applications and services seamlessly. The following sections will explain the integration process and how these technologies were employed to achieve the desired outcome.

Proposed Concepts

Notion is integral to our operations, acting as both a dynamic front-end for interacting with our data and an efficient back-end database. Its versatility allows us to create various views of our data, catering to different needs and preferences within the team.

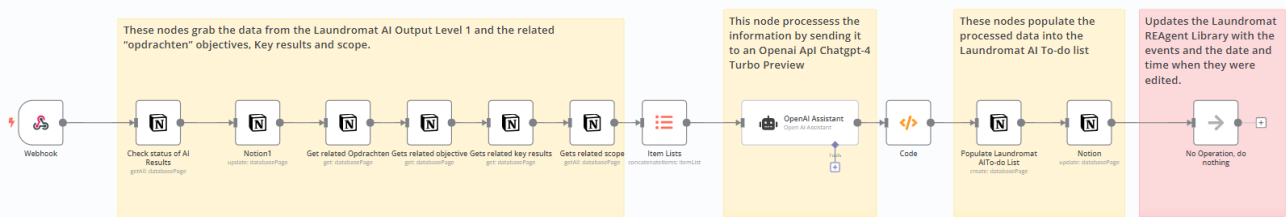
- **Attribute Extender:** This tool is strategically designed to support the creative and planning phases of projects by functioning as an intelligent brainstorming partner. It leverages AI to suggest attributes and properties for various project elements, such as personas or value streams, thereby enhancing the depth and breadth of project design and ideation.
- **Reverse Engineering:** Focused on optimizing project management, this concept involves breaking down comprehensive projects into manageable, actionable tasks. It allows for these tasks to be systematically assigned and executed either by AI agents or human team members, significantly streamlining workflow management and reducing the time spent on project coordination.

Utilizing N8N and Notion for Rapid Prototyping

N8n is a powerful low-code platform that significantly boosts our ability to create automations that In this internship, N8N and Notion are selected not merely as tools but as essential platforms to support the development and quick iteration of the selected concepts.

- **N8N** will serve as the automation backbone, enhancing workflow management through its powerful, low-code environment that enables quick integration and automation of tasks. This platform is crucial for testing and refining the functionalities of the proposed AI concepts, allowing for agile adjustments and real-time optimization.
- **Notion** provides the ideal complement to N8N with its visual database capabilities, offering a user-friendly interface for managing and organizing complex project information. It acts as a central repository for all data generated and manipulated by N8N, facilitating seamless access and structured storage that supports the dynamic needs of the project development process.

Together, these tools form a robust foundation for demonstrating how generative AI can be effectively integrated within organizational workflows, fulfilling the project's goals within the allocated six-month period and aligning with Henhouse Studio's innovative vision



This setup with Notion and n8n positions Henhouse Studio at the forefront of technological integration in creative industries, leveraging these tools to maximize efficiency and foster an environment of innovation.