



CODECELL-CMPN, VESIT

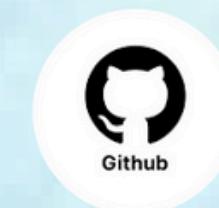
SYRHS HACKATHON 2025

Category Code: C2

Problem Statement Title: Wealth and Asset Management

Team Name: The Polymorphs

Institute Name: Vivekanand Education Society's Institute of Technology



Idea / Approach details (& implemented features)

FinWise AI uses AI Agent as the core intelligence to assist users in managing investments. It integrates **multiple sub-agents**, **retrieval-augmented generation (RAG)**, and **UPTIQ API resources** to generate insights for investment strategies. The key objectives include:

Automated Recommendations

Provides personalized investment suggestions based on risk tolerance

Portfolio Rebalancing

Adjusts asset allocation to maintain optimal returns with minimal risk

Goal-Based Planning

Aligns investments with short-term and long-term financial goals

Market Event Analysis

Monitors global events for real-time portfolio adjustments



Innovation (Showstopper)



RAG Based Financial Query Advisor

The RAG Based Financial Query Advisor harnesses a curated knowledge base scraped from 20 top financial sites to deliver precise, data-driven financial insights.

AI-Driven Risk-Aware Investment Strategies with Advanced Metrics

Users receive tailored investment strategies using AI-driven risk metrics (Sharpe Ratio, Beta, Monte Carlo simulations).

AI-Powered Goal-Based Investment Planning

Users specify their target return amount and investment duration. AI dynamically calculates the optimal monthly investment required.

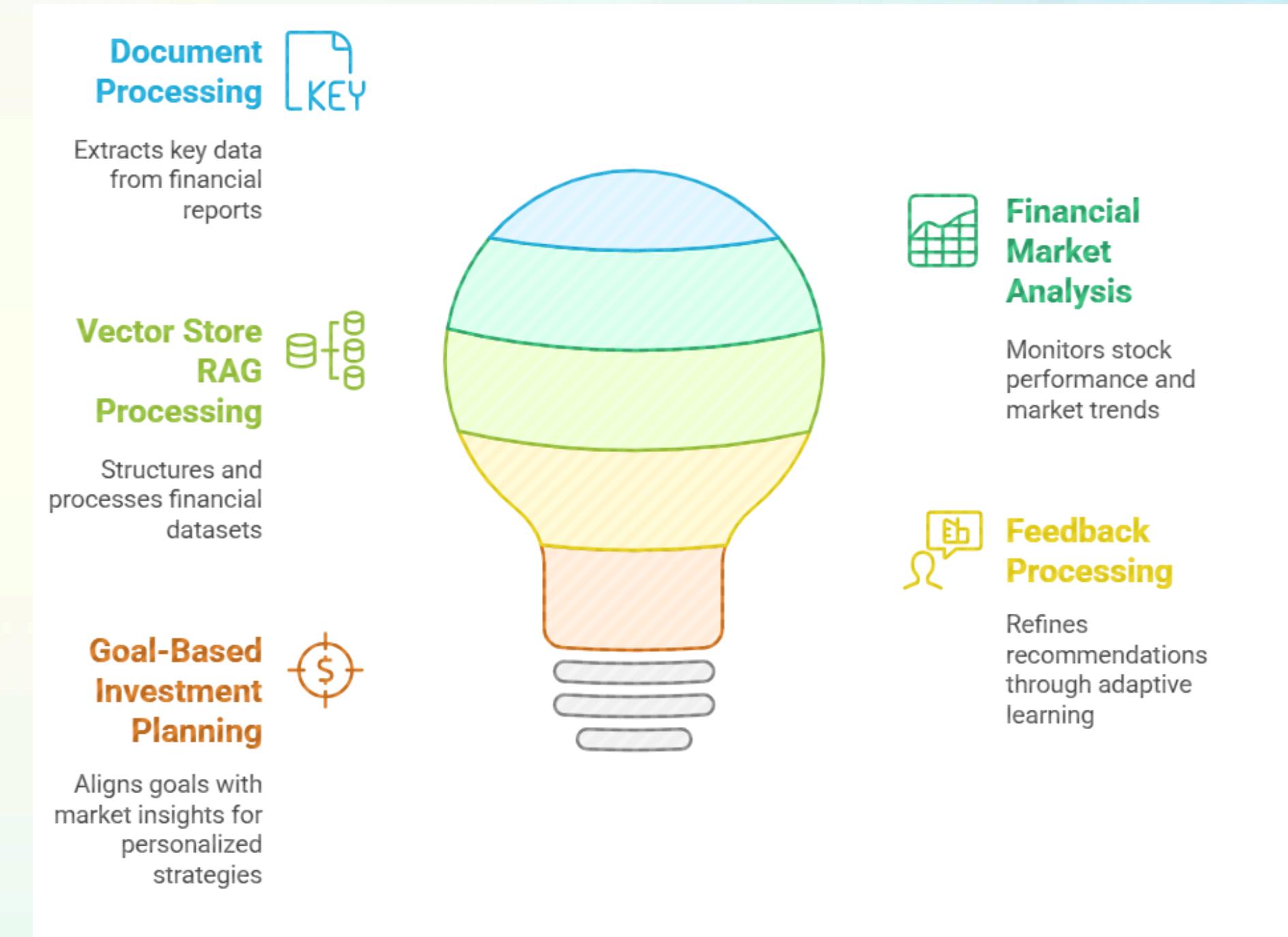
AI-Driven Portfolio Rebalancing with Risk Adaptive Strategies

Instead of static diversification, AI dynamically shifts investments in response to Market crashes, Inflation risks, Interest rate fluctuations, Sector shifts

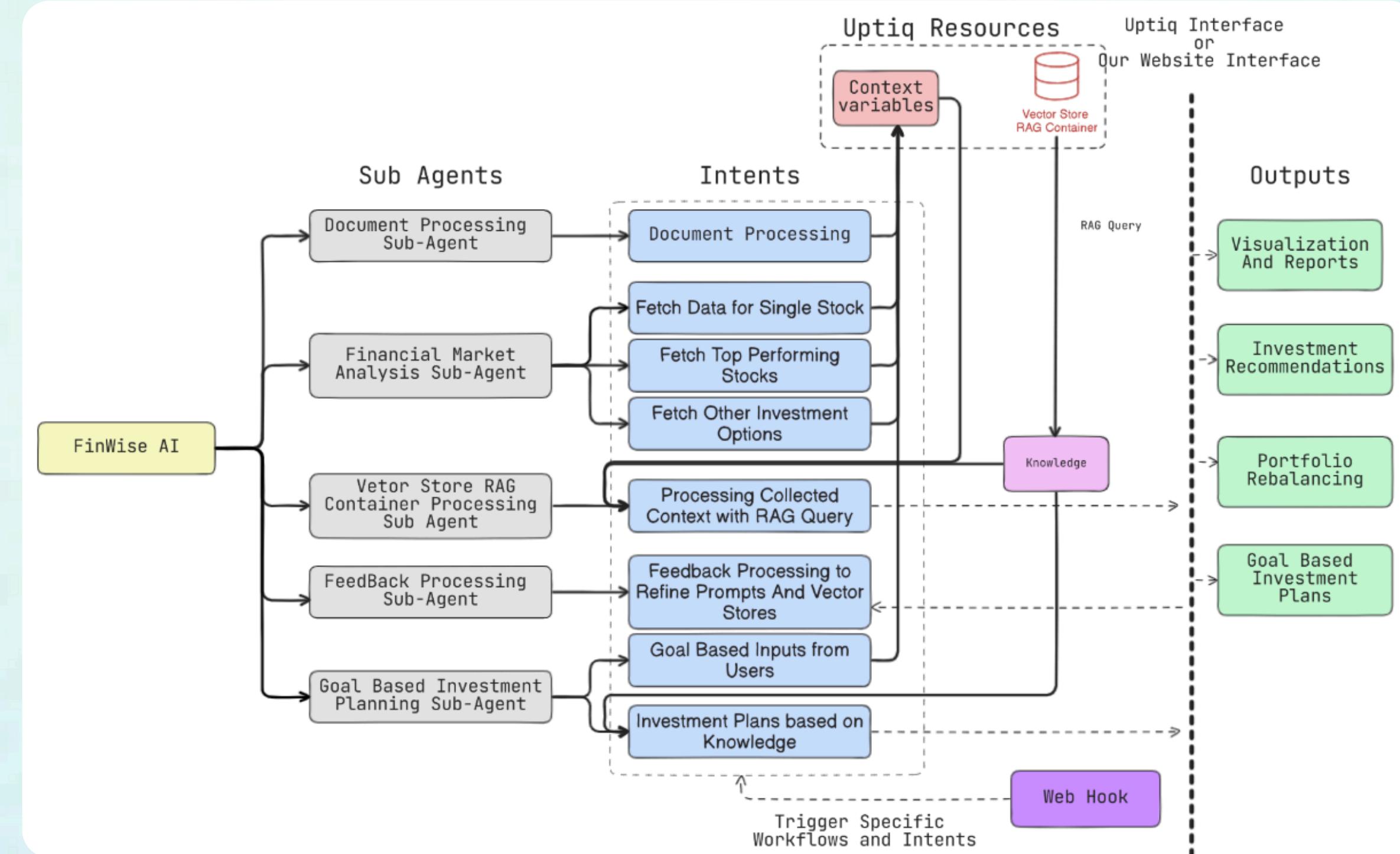


Uptiq Agent- Finwise AI Agent

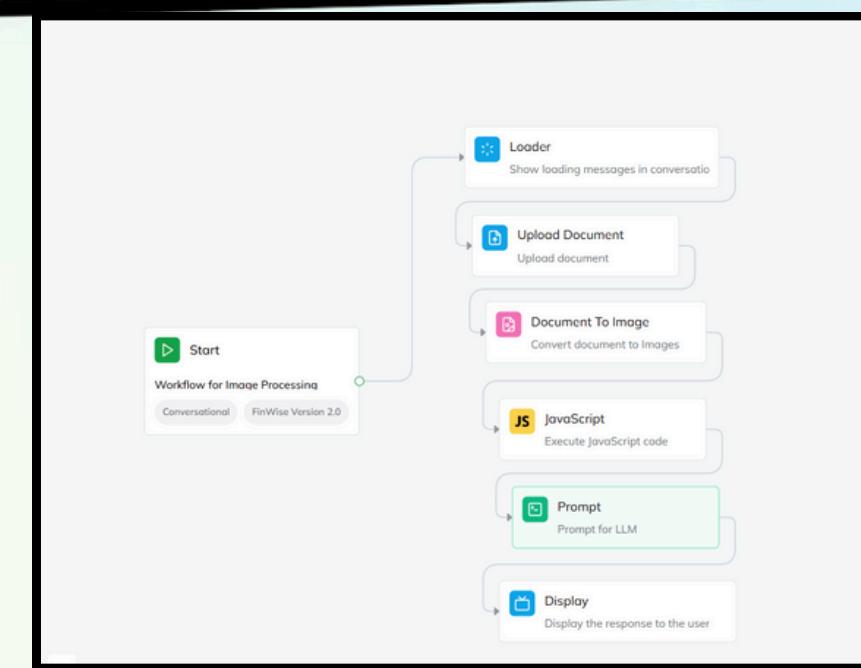
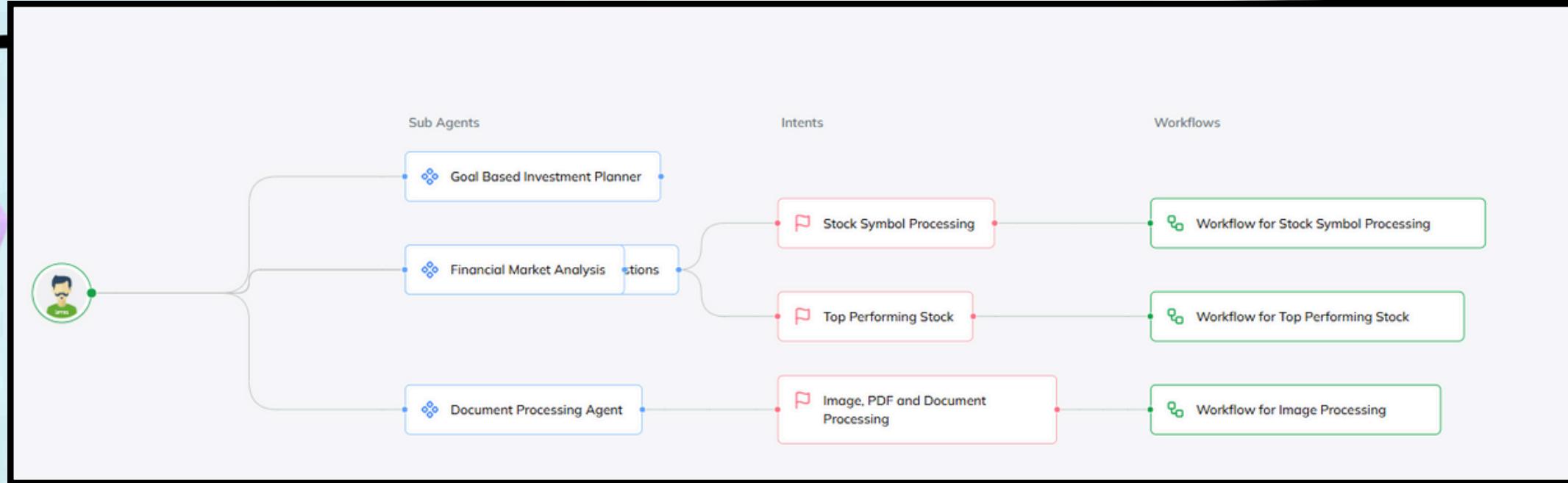
FinWise AI is an advanced financial intelligence platform revolutionizing investment decision-making with AI-driven insights. It operates through five specialized sub-agents:



Block Diagram



Implementation



FinWise

Revolutionize Your Investment Strategy

Smart Investing, Simplified Experience

Discover a modern approach to investing with our cutting-edge platform. Intelligent insights, zero complexity.

[Start Investing](#) [Learn More](#)

2M+ Total Users **₹50,000 Cr** Assets Under Management

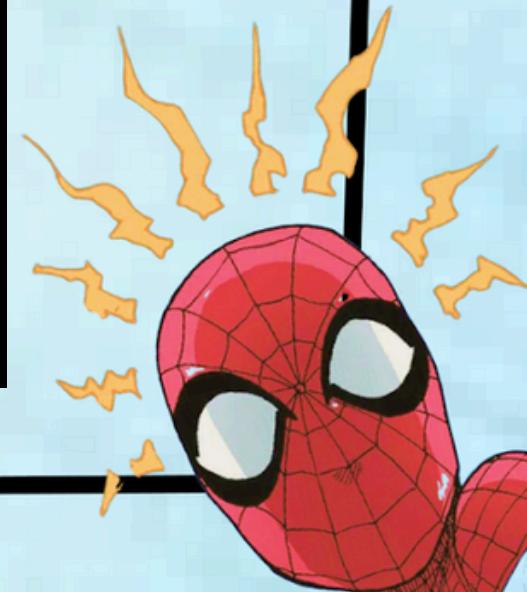
A central graphic shows a person interacting with a bar chart and a dollar sign.

Investment Opportunities

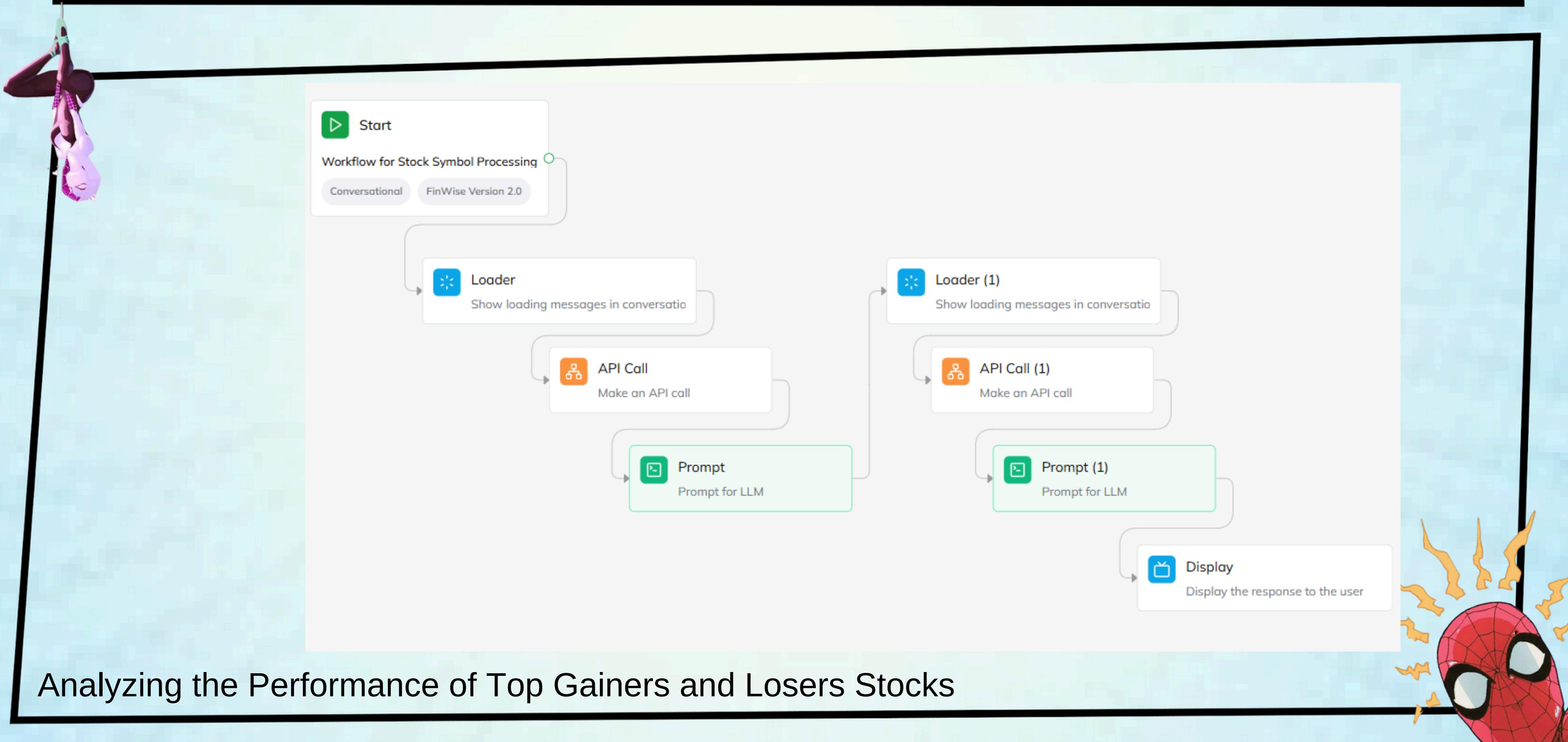
Explore a diverse range of investment avenues tailored to your financial goals

- Direct Stocks**: High-potential equity investments with direct ownership. [Learn more](#)
- Mutual Funds**: Diversified portfolios managed by financial experts. [Learn more](#)
- IPO Investments**: Early access to promising company offerings. [Learn more](#)
- ETF Funds**: Low-cost funds tracking market indices. [Learn more](#)
- Global Markets**: Diversify internationally across markets. [Learn more](#)
- Secure Options**: Capital protection with steady returns. [Learn more](#)

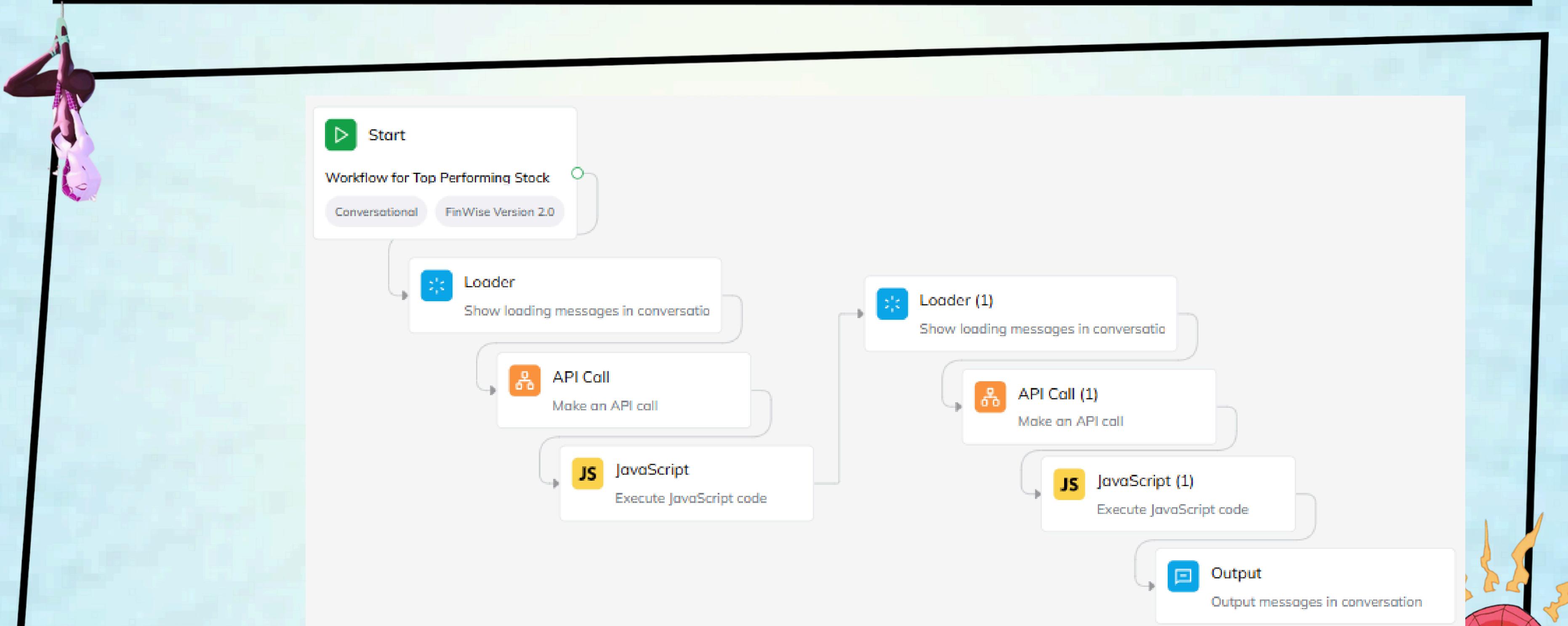
[View all investment options](#)



Implementation - Portfolio Rebalancing - Intent 1



Implementation - Portfolio Rebalancing - Intent 2

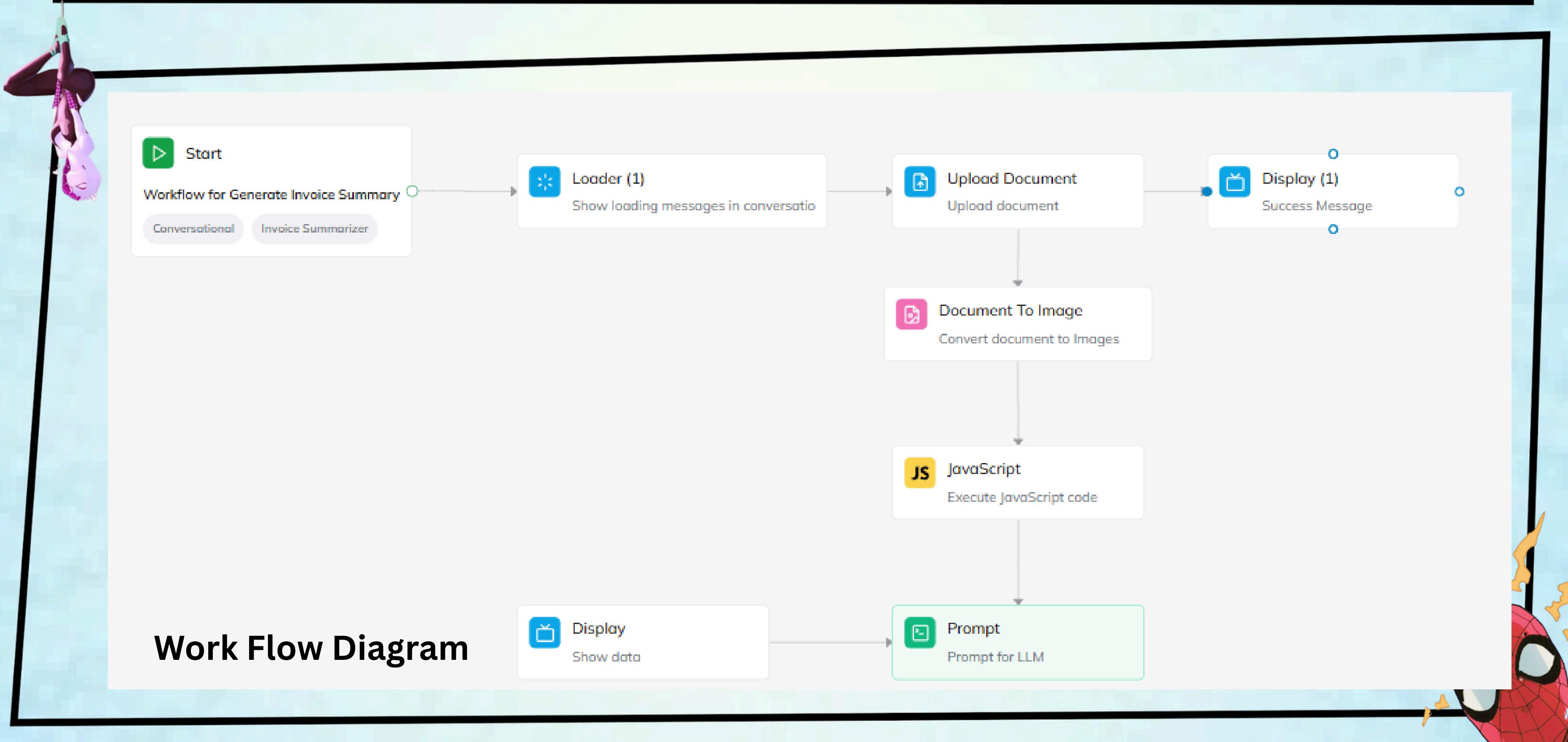


Fetching the Top Gainers and Losers Stocks

Implementation - Portfolio Rebalancing

Fetched Response from the Stock Market API

Implementation - Portfolio Summarizer



Implementation - Portfolio Summarizer

FinWise Version 2.0

Debug Mode

+ New Chat

Feedback

Recent Chats

- 85e82598-2c16-4e72-9058...
- b9d9a7ef-230c-4de4-80fa-e...
- 88ce7cd2-2c81-4759-8ce9-f...
- b4e0e708-a0f5-4e2a-98d6-6...
- e0e75a69-8117-4afe-ba0c-2...
- 176285a4-6428-4c4a-9561-...
- de2dff43-98e5-4a22-a2c2-d...
- a76ed65d-43ce-4f08-9590-e...
- 661a6475-fc9f-4aff-ade2-5a...
- ab29bf3a-47c2-4d19-a194-9...

RK Rishi Kokil rishikokil@gmail.com

Check my portfolio PDF and tell me if I need to rebalance.

the document was saved at the location 2c391ee5-9737-4356-97da-b9c73c0a03be

And the Processing Result was

This document is a sample invoice issued by CPB Software (Germany) GmbH to Musterkunde AG for services related to WMACCESS Internet usage. The invoice details include:

- Invoice Number: 123100401
- Customer: Mr. John Doe
- Invoice Date: March 1, 2024
- Invoice Period: February 1, 2024 – February 29, 2024
- VAT Number: DE199378386

Breakdown of Charges:

- Basic and transaction fees for different services (wmView, wmGuide, wmPos, user accounts)
- Queries and transaction fees categorized as T1 to T6 and G1 to G6, with charges itemized accordingly
- Subtotal without VAT: €381.12
- VAT (19%): €72.41
- Gross Total: €453.53

Payment Details:

- Payment Terms: Immediate, without discounts
- Bank Details: IBAN and BIC provided for SEPA credit transfer
- Additional Notes: Any bank fees are to be borne by the invoice recipient

This invoice appears to be system-generated and unsigned. It provides a structured summary of service usage, fees, and payment instructions.

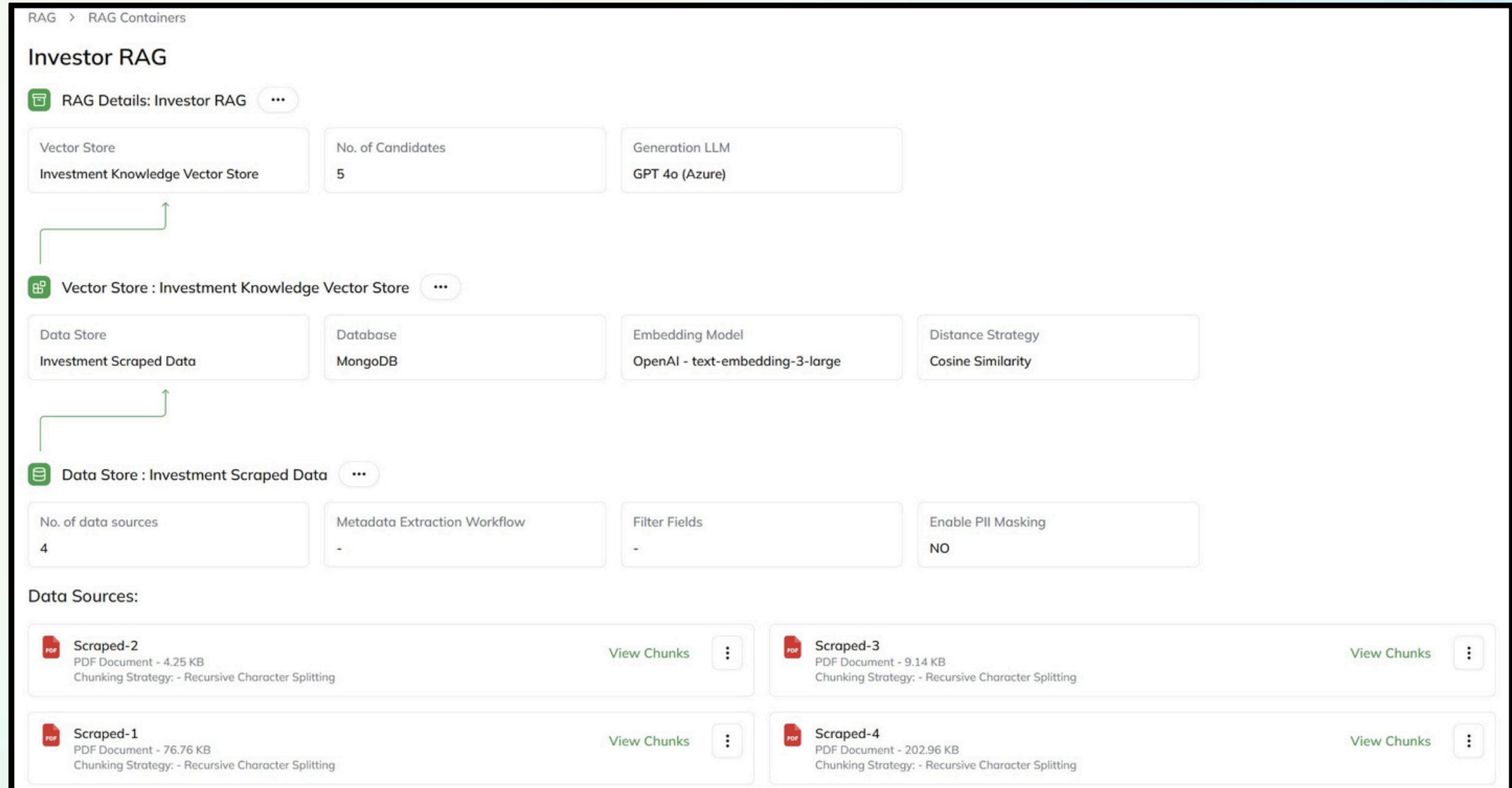
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Saved Prompts

Generating summary of the portfolio to get insights about the portfolio

Implementation - RAG based Asset and Wealth Query Agent

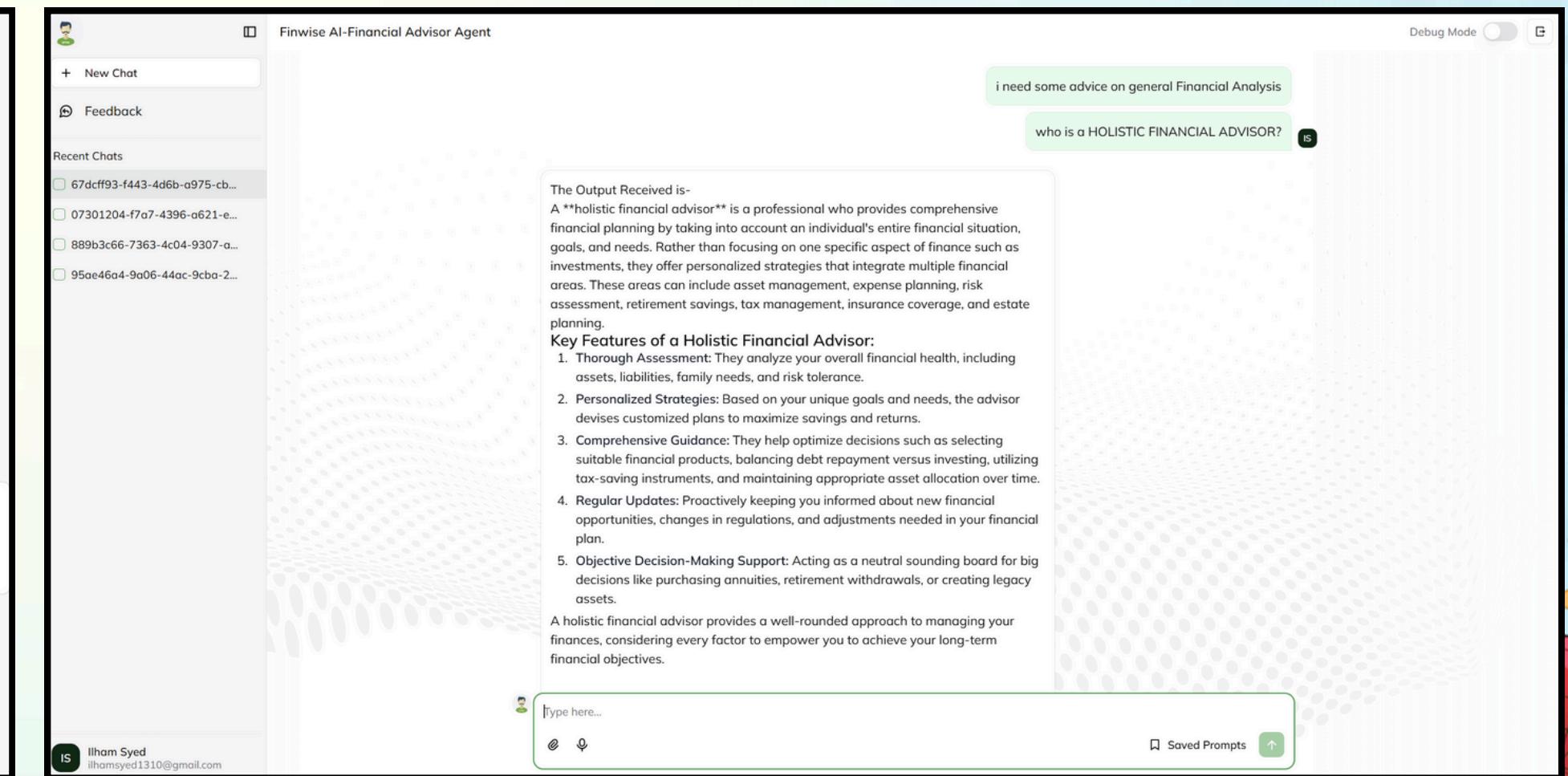
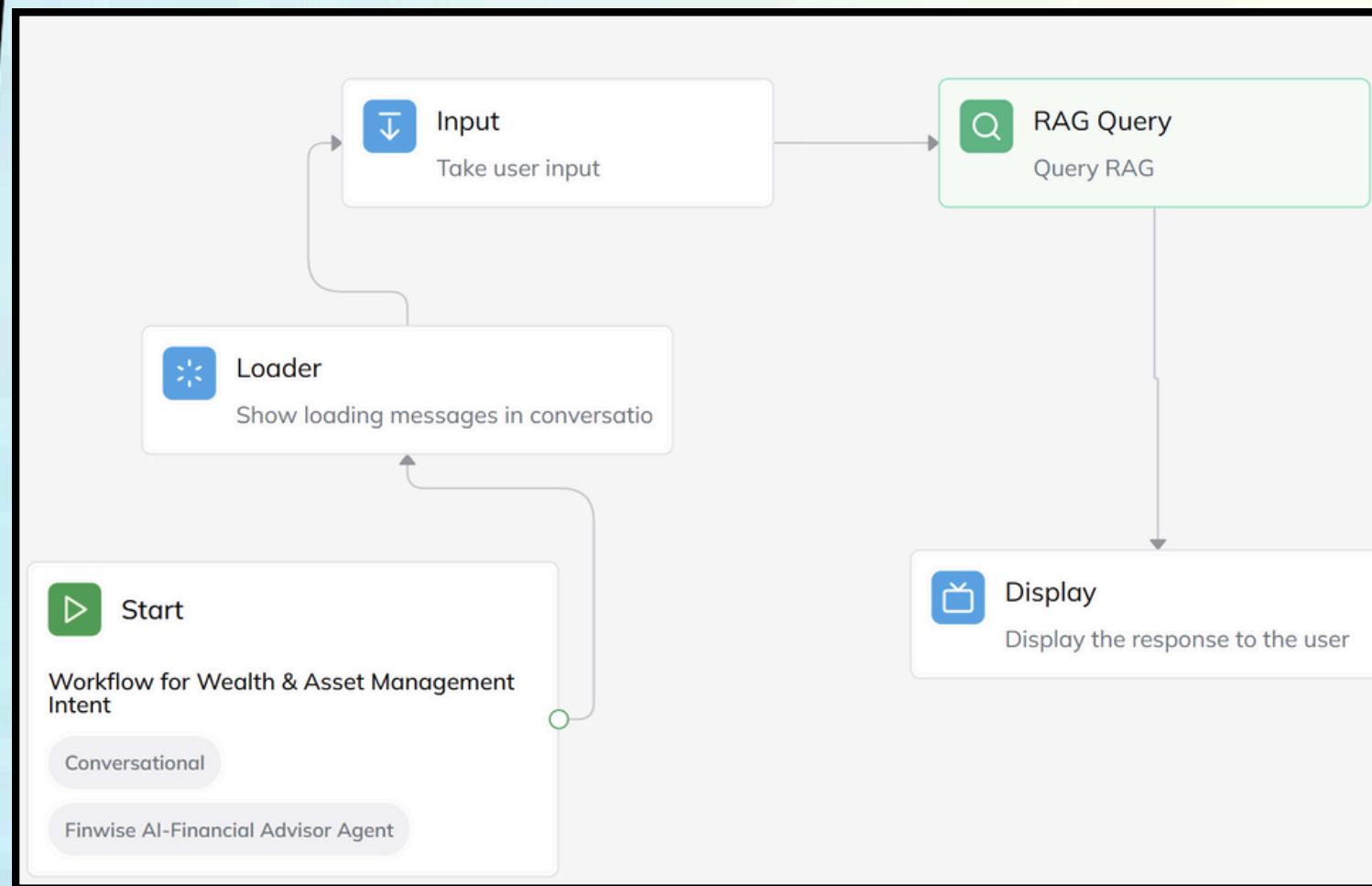
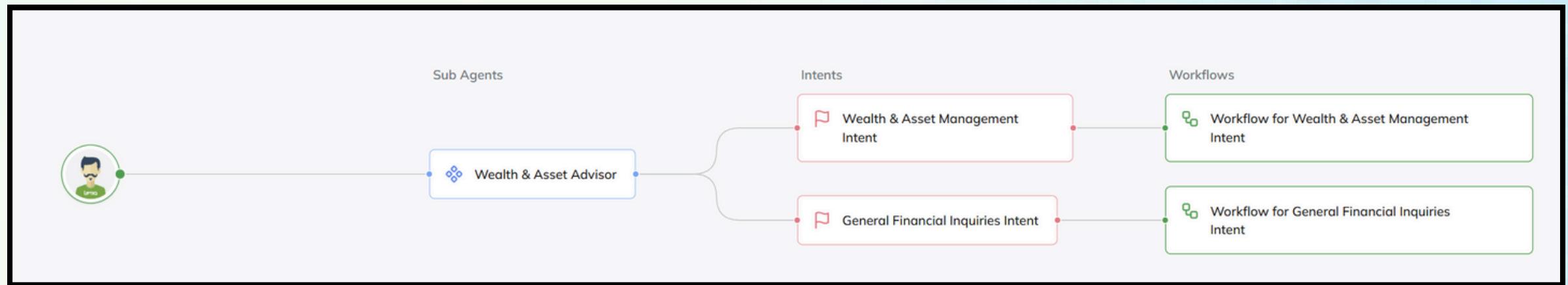
Our RAG agent is powered by comprehensive financial data sourced from 20 websites. This data has been meticulously processed and consolidated into four structured documents, enabling the agent to provide accurate, context-aware responses to user financial queries.



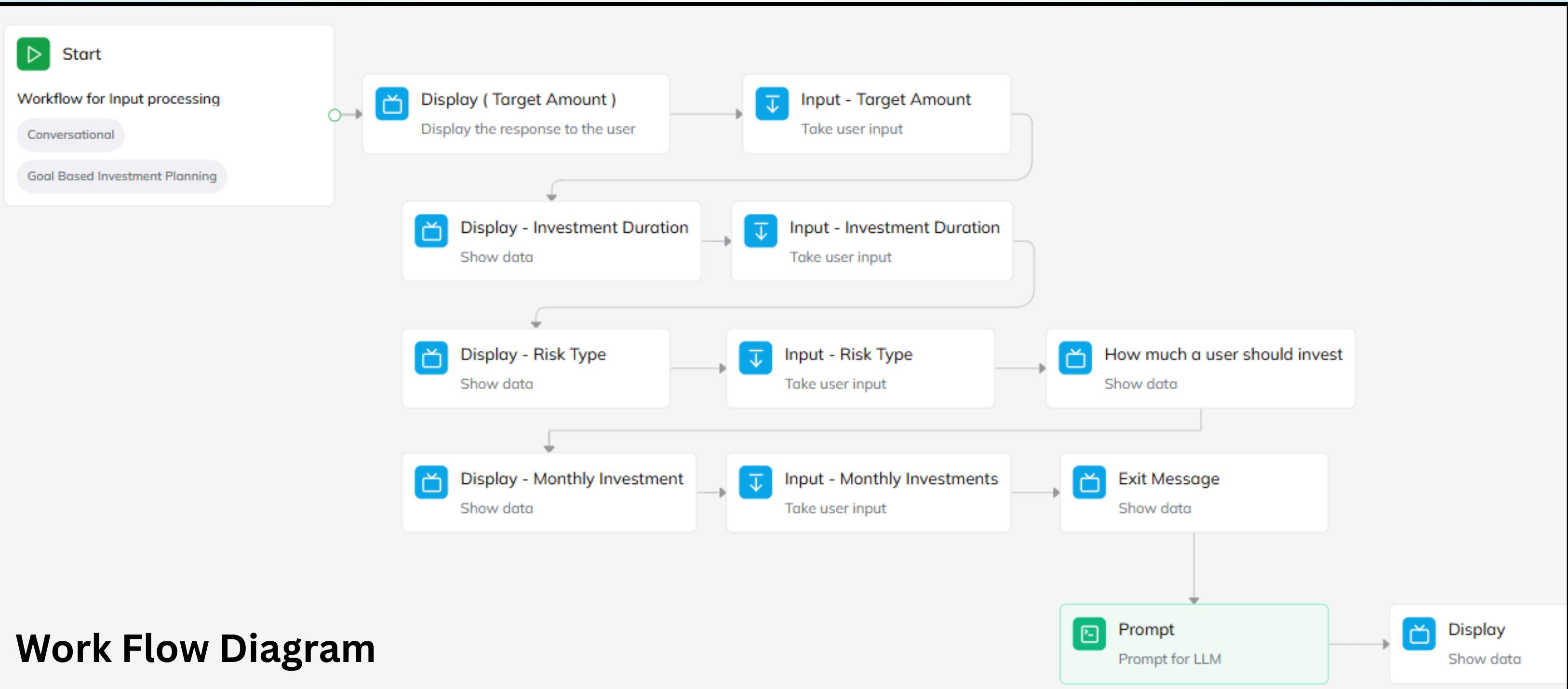
Work Flow Diagram of RAG Agent

Implementation - RAG based Asset and Wealth Query Agent

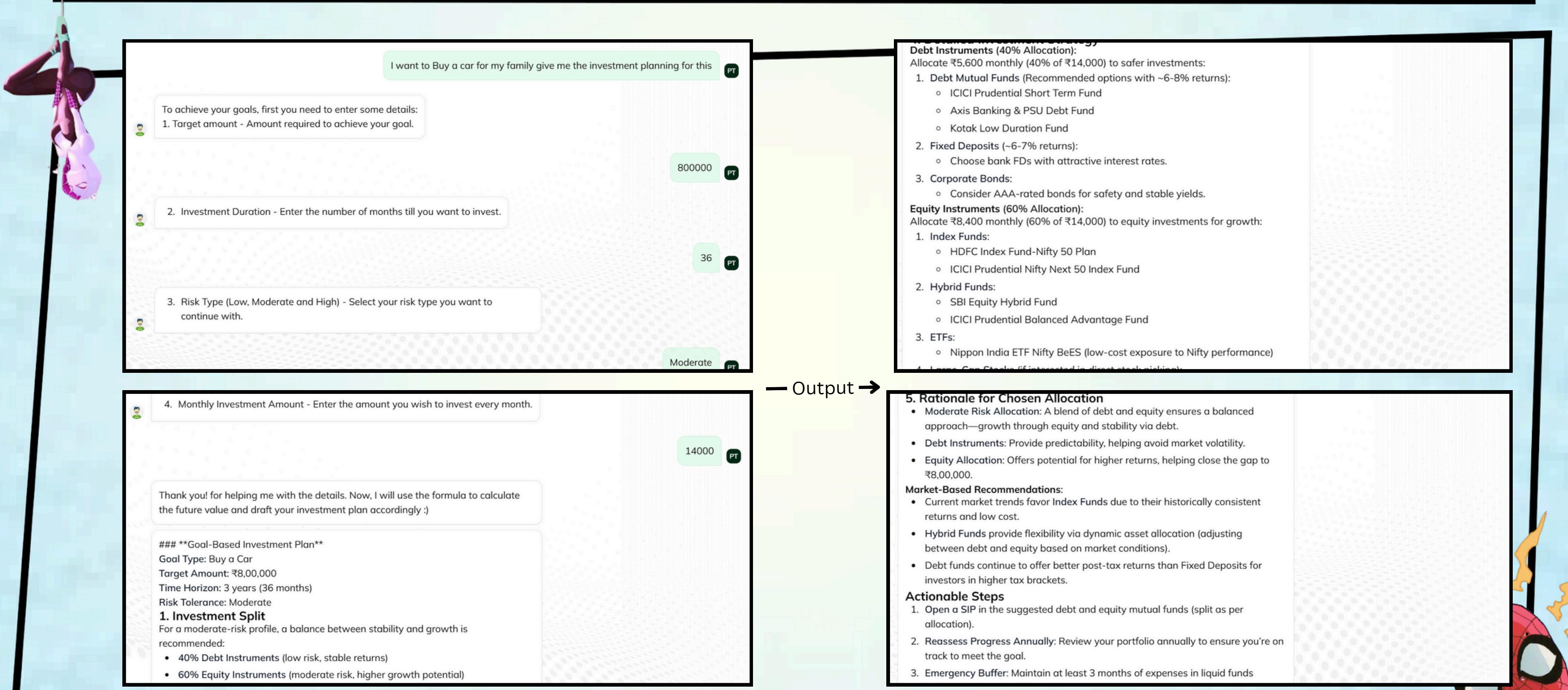
Output



Implementation - Goal Based Investment Planner Agent



Implementation - Goal Based Investment Planner Agent



Future Objectives

- ◆ Web Integration – Integrate UPTIQ with a dedicated website, enabling seamless user access to investment insights, portfolio management, and strategy recommendations.
- ◆ Enhanced Personalization – Develop advanced AI agents to deliver more tailored investment strategies, considering individual financial goals and market conditions.
- ◆ Automated Risk Management – Implement real-time risk assessment mechanisms to proactively mitigate financial risks and optimize portfolio performance.
- ◆ Scalability & Expansion – Extend the platform's capabilities to support a broader range of financial assets, market conditions, and global investment strategies.

