Project Overview

This project showcases an AI agent built using Browseruse Web-UI, an open-source framework designed for creating intelligent automation workflows. Powered by Google's Gemini-2.0-Flash-Exp model, this AI agent demonstrates how modern AI can streamline web-based tasks with efficiency and precision.

The project includes a demo video that highlights the agent's capabilities, showing real-time automation and task tracking features.

Features

🔍 **Automated Web Search:**
The agent searches for "latest AI trends 2025" on Google and extracts the first five URLs from the search results.

📺 **YouTube AI Topic Search:**
It finds trending AI topics on YouTube and retrieves the first three video URLs.

📊 **Real-Time Task Recording:**
Browseruse Web-UI offers a built-in task recording feature that tracks the agent's activities, providing complete visibility of the automation process.

⚡ **Powered by Gemini-2.0-Flash-Exp:**
Utilizes Google AI Studio's API to process and execute tasks with remarkable speed and accuracy.

Demo Video

Check out the demo video to see the AI agent in action, automating web searches and YouTube tasks seamlessly.

Tech Stack

- Framework: Browseruse Web-UI
- AI Model: Gemini-2.0-Flash-Exp (via Google AI Studio API)
- Languages: Python, JavaScript
- Tools: Automation APIs, Task Recorder

How It Works

- API Integration: The Gemini-2.0-Flash-Exp model is connected via Google AI Studio's API.
- Task Assignment: The AI agent is given specific tasks like web searches and data extraction.
- Automation Execution: The agent processes the tasks in real-time, displaying results in the output panel.
- Result Tracking: Browseruse Web-UI tracks and records every step of the automation process.

Potential Use Cases

- Automated research and data scraping
- Content discovery on YouTube
- Monitoring trending topics
- Workflow automation for repetitive web tasks
- Future Enhancements
- Adding more complex task automation features
- Enhancing data extraction accuracy
- Integrating with additional platforms and APIs

Connect & Collaborate

Interested in AI automation? Let’s connect and discuss!
Feel free to fork this project, suggest improvements, or reach out for collaborations.