

This demo showcases a Goal-Based AI Agent powered by a no-code UI through Browser-Use and Playwright. The agent takes a goal as input and performs actions in a browser to accomplish that goal — just like how a human would execute tasks online.

We'll install necessary tools, clone a GitHub repo, set up a local interface, and run a prompt to see the agent act intelligently toward its goal.

##Tools Used:

- Browser-Use: Python-based tool to control browser via LLMs.
- Playwright: Headless browser automation library.
- Web UI (GitHub): No-code frontend for agent interaction.
- Command Prompt

##Step-by-Step Process

Step 1: Open the 2 Required Websites

- <https://github.com/browser-use/browser-use>
- <https://github.com/browser-use/web-ui>

Browser use: A tool that lets an AI agent control the browser like a human.

Step 2: Install Core Packages via CMD

Open **Command Prompt** and execute:

- `pip install browser-use`
- `playwright install`

playwright : A library used to automate browser interactions (clicks, scrolls, typing).

Step 3: Create Workspace Folder

- Create a new folder on Desktop: AI Agents

Redirect to it via CMD:

- `cd Desktop`
- `cd "AI Agents"`

Step 4: Open the second website and follow:

Clone the Web UI Repo into your new folder (AI Agents):

- `git clone https://github.com/browser-use/web-ui.git`
- `cd web-ui`

Step 5: Install UV (Universal Virtual Environment Manager)

UV : A modern virtual environment & package manager (like pipenv but faster).

Run:

- `powershell -ExecutionPolicy ByPass -c "irm https://astral.sh/uv/install.ps1 | iex"`

Step 6: Set Up and Activate Virtual Environment

Virtual Environment : An isolated Python setup to install required packages without affecting system-wide settings.

- `uv venv --python 3.11`
- `.venv\Scripts\activate`

Step 7: Install All Required Packages

- `uv pip install -r requirements.txt`
- `playwright install`

Step 8: Launch the Web UI Locally

Run this :

- `python webui.py --ip 127.0.0.1 --port 7788`

This will generate a local HTTP URL like `http://127.0.0.1:7788` — copy and paste this into your browser.

Step 9: Run Your Goal-Based Agent

- Navigate to Agent Settings
- Paste your API Key from an LLM provider (e.g., OpenAI, Google, etc.)

API Key : A code to connect your agent to a Large Language Model (like OpenAI GPT or Claude).

- Go to "Run Agent" section
- Give a prompt like: Search the top 3 AI events happening in India this month and summarize them. (you can give any prompt – it can make any actions on the web)
- Watch the agent think, plan, and act step-by-step in the browser!

▶ [Click here to watch the Goal-Based Agent Demo Video](#)