**Document helps you to build your own**

**Ai agent from scratch**

**Technologies used :** python , browser-user , playwright , web-ui

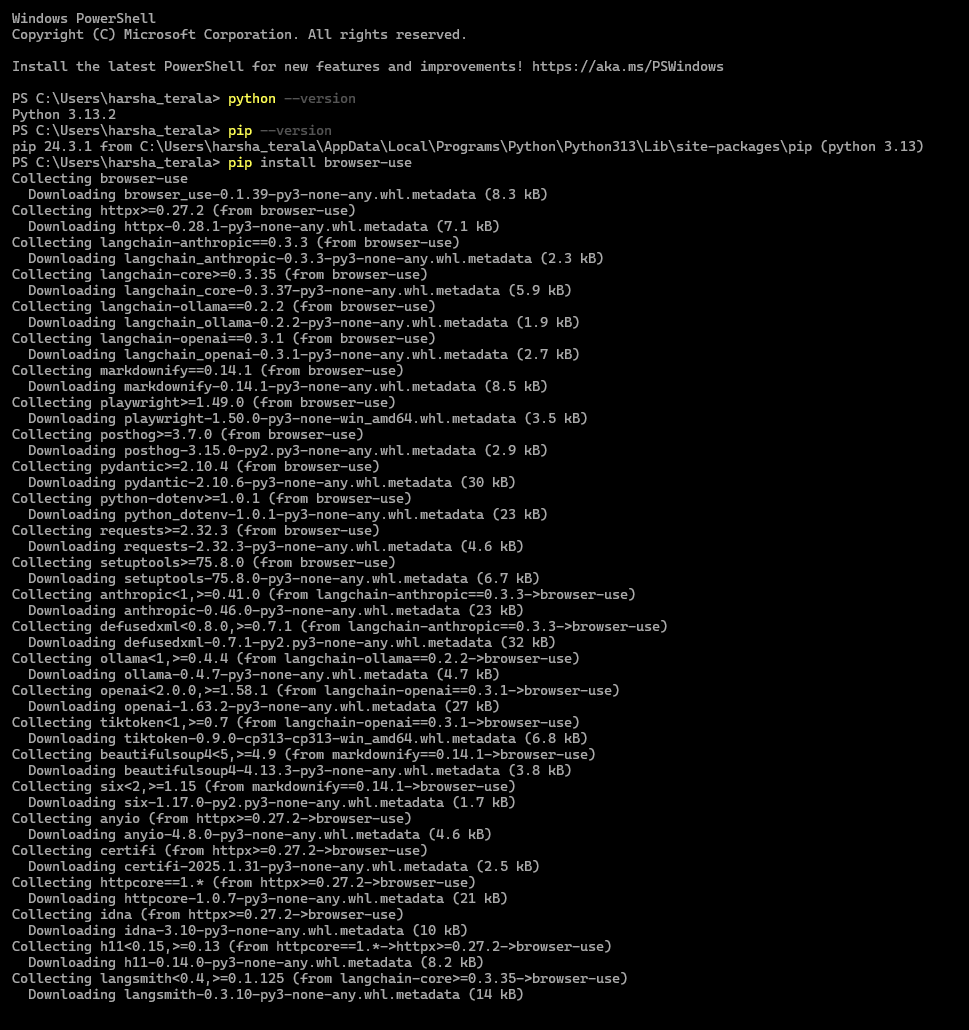
**Github links :**

* **Browser-use :** [https://github.com/browser-use/browse...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbVVzaWlLUXZySVhNQWdVN2JiRWc0RUpQd04yUXxBQ3Jtc0tuNk1FSmlRdGwzV25iZjNmMEQzTzNwWmFSNXNTRXpnNUkyN2JacUE2VU1yaHpjcTc3djFBY3NBbGxTMWNrQThvSkY1MURSQ3dmallMb1NEb19uakVhN3RJU1E5c3BXYy1WMk55SlVLTlByMjlvUVQxaw&q=https%3A%2F%2Fgithub.com%2Fbrowser-use%2Fbrowser-use&v=1T-RGgyY0LA)
* **Browser-use/web-ui :** [https://github.com/browser-use/web-ui](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbVQ0cWpkSF9IN1RDUG1fbXZTeUNGSEw0dXgyZ3xBQ3Jtc0ttTDJoQm5yRUtCOU9fSUN3TmxfTnVNSk50d3IwT3JfLUNERnc5c1VqTlNaVFByTkowdmNmLXlYUTJNVUU5YUNNZEsxUVpQR2NGdkpIeG1ab3VxN0F0QzFIUmxIb3RLN0t4NlczWnpaQUJnSHdUYXpuYw&q=https%3A%2F%2Fgithub.com%2Fbrowser-use%2Fweb-ui&v=1T-RGgyY0LA)

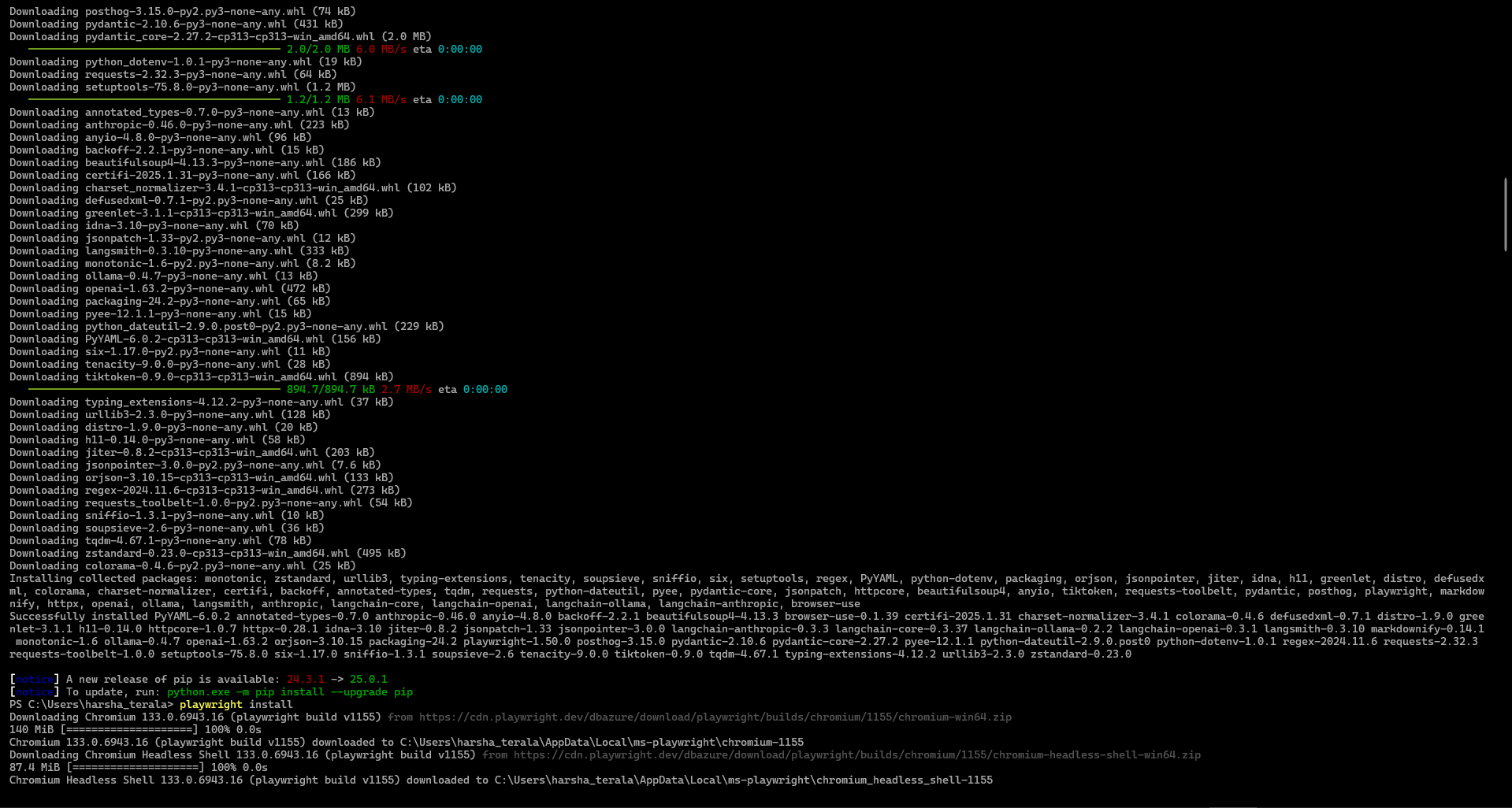
**python :** [python.org](https://www.python.org/)

**Prerequisites**

* Python 3.11 or higher







* Git (for cloning the repository)

**Steps :**

1. pip3 install browser-use

2. playwright install

3. Create a folder named ai-agent

4. Go inside the ai-agent folder - cd desktop and go to cd ai-agent

5. Git clone [https://github.com/browser-use/web-ui...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbmdxUmlDam8xSWFMMnJjUmxMTFZlaUNsN19qd3xBQ3Jtc0ttVVVqamV0WldiSHFMZmhYZjBFUzNXQWJDeDRXLUhMNG1QdEM1cWFjSEtnMGtLbUJldTEtYlhxemRZNXRMa1FNTEswT21teXRzSG85ZnVoYS1mbG03TmdtLUxhc2doTjd0eU91Wlo1dmtKUjBhYjdGZw&q=https%3A%2F%2Fgithub.com%2Fbrowser-use%2Fweb-ui.git&v=1T-RGgyY0LA)

6. Go to cd web-ui and install uv - curl -LsSf [https://astral.sh/uv/install.sh](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbklDblp2SmZKX0xHTURjM0huVy1Gckk1Zlk1UXxBQ3Jtc0ttZmwwU05HOThtcXNYVlJ3bWVEUmZmM1RqNVZmWXZzS3VJV3NzZnh1b1VRS3YyZUdvRDd6YmJ3S2xFV0g4VVkwSm1uUXIxVU1PNlhxdE9HUmRRZUJkb2x6b0c2ZWdYN2VNSWNydDBuZm15RGlQQjF1cw&q=https%3A%2F%2Fastral.sh%2Fuv%2Finstall.sh&v=1T-RGgyY0LA) | sh

7. Clear the command terminal and open again until web-ui folder

8. Creates an environment - uv venv --python 3.11

9. Activate the env - source .venv/bin/activate

10. uv pip install -r requirements.txt

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

12. You will get the ip and copy and paste the ip

13. Go to google studio and get the gemini api and paste in the browser-ui

14.Run Agent

**Local Installation :**

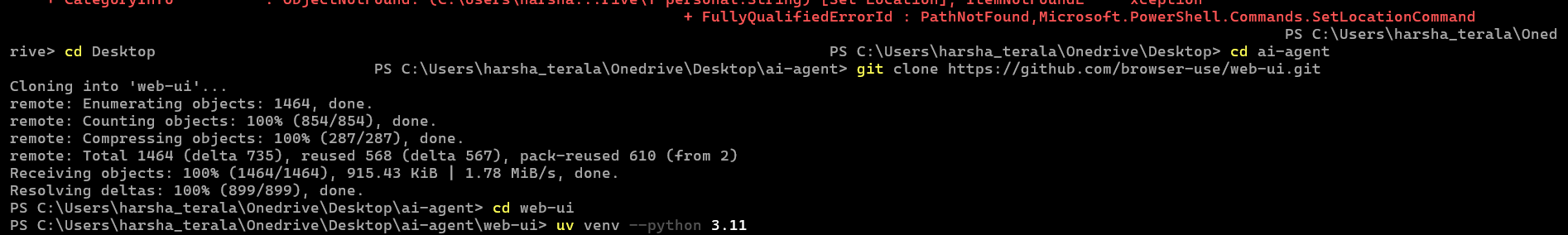
Read the [quickstart guide](https://docs.browser-use.com/quickstart#prepare-the-environment) or follow the steps below to get started.

**Step 1: Clone the Repository**

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

cd web-ui





**Step 2: Set Up Python Environment**

We recommend using [uv](https://docs.astral.sh/uv/) for managing the Python environment.

Using uv (recommended):

uv venv --python 3.11

Activate the virtual environment:

* Windows (Command Prompt):

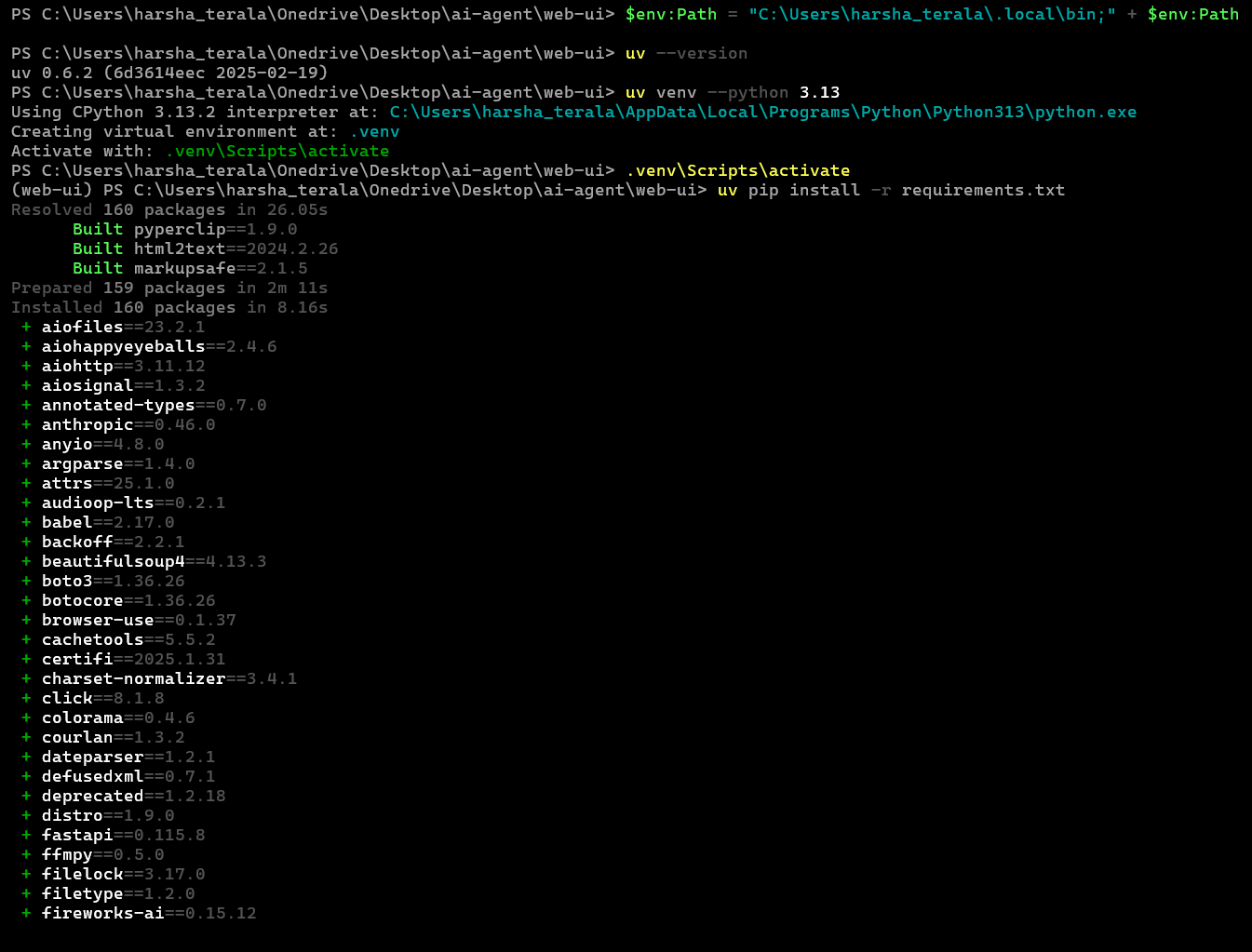
.venv\Scripts\activate

* Windows (PowerShell):

.\.venv\Scripts\Activate.ps1

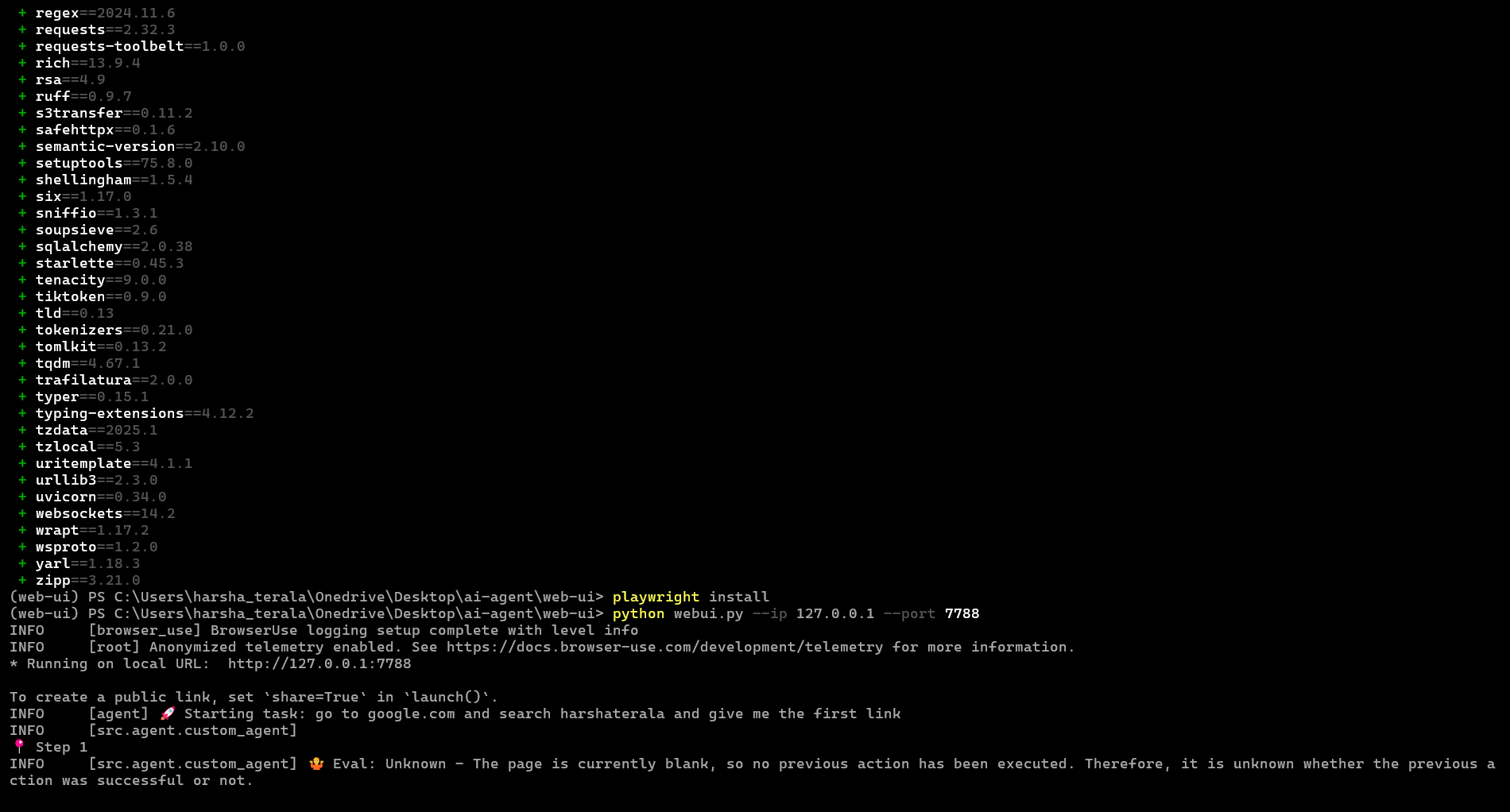
* macOS/Linux:

source .venv/bin/activate









**Step 3: Install Dependencies**

Install Python packages:

uv pip install -r requirements.txt

Install Playwright:

playwright install



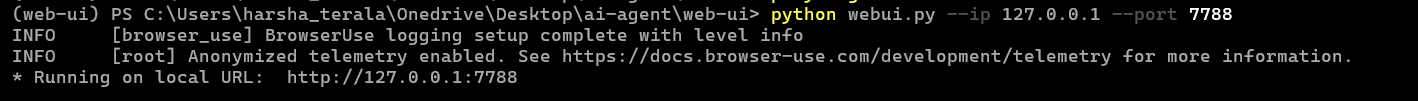
**Step 4: Configure Environment**

1. Create a copy of the example environment file:

* Windows (Command Prompt):

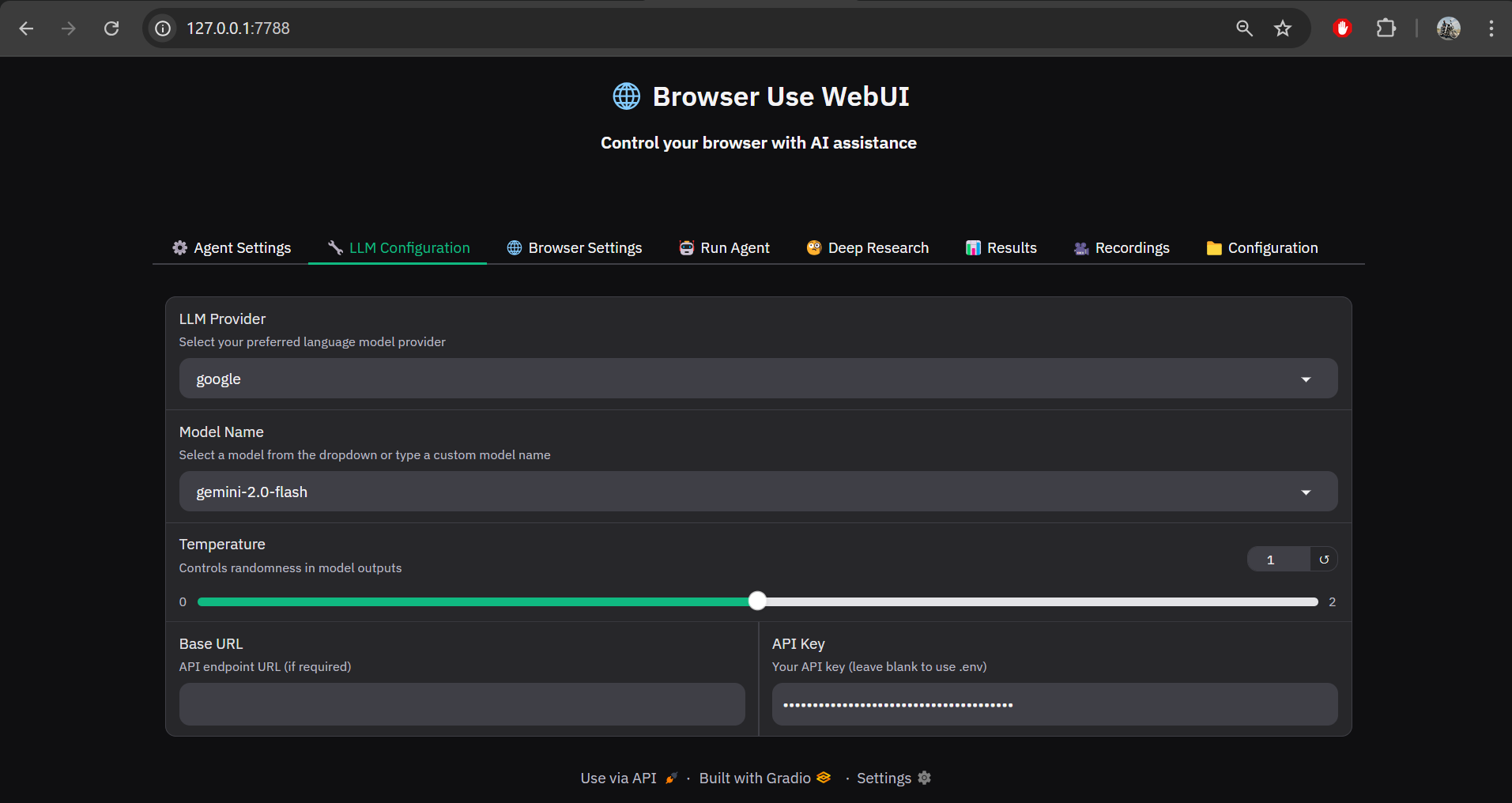
copy .env.example .env

* macOS/Linux/Windows (PowerShell):



cp .env.example .env

1. Open .env in your preferred text editor and add your API keys and other settings



**Local Setup**

1. **Run the WebUI:** After completing the installation steps above, start the application:

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

1. WebUI options:
   * --ip: The IP address to bind the WebUI to. Default is 127.0.0.1.
   * --port: The port to bind the WebUI to. Default is 7788.
   * --theme: The theme for the user interface. Default is Ocean.
     + **Default**: The standard theme with a balanced design.
     + **Soft**: A gentle, muted color scheme for a relaxed viewing experience.
     + **Monochrome**: A grayscale theme with minimal color for simplicity and focus.
     + **Glass**: A sleek, semi-transparent design for a modern appearance.
     + **Origin**: A classic, retro-inspired theme for a nostalgic feel.
     + **Citrus**: A vibrant, citrus-inspired palette with bright and fresh colors.
     + **Ocean** (default): A blue, ocean-inspired theme providing a calming effect.
   * --dark-mode: Enables dark mode for the user interface.
2. **Access the WebUI:** Open your web browser and navigate to http://127.0.0.1:7788.
3. **Using Your Own Browser(Optional):**
   * Set CHROME\_PATH to the executable path of your browser and CHROME\_USER\_DATA to the user data directory of your browser. Leave CHROME\_USER\_DATA empty if you want to use local user data.
     + Windows
     + CHROME\_PATH="C:\Program Files\Google\Chrome\Application\chrome.exe"

CHROME\_USER\_DATA="C:\Users\YourUsername\AppData\Local\Google\Chrome\User Data"

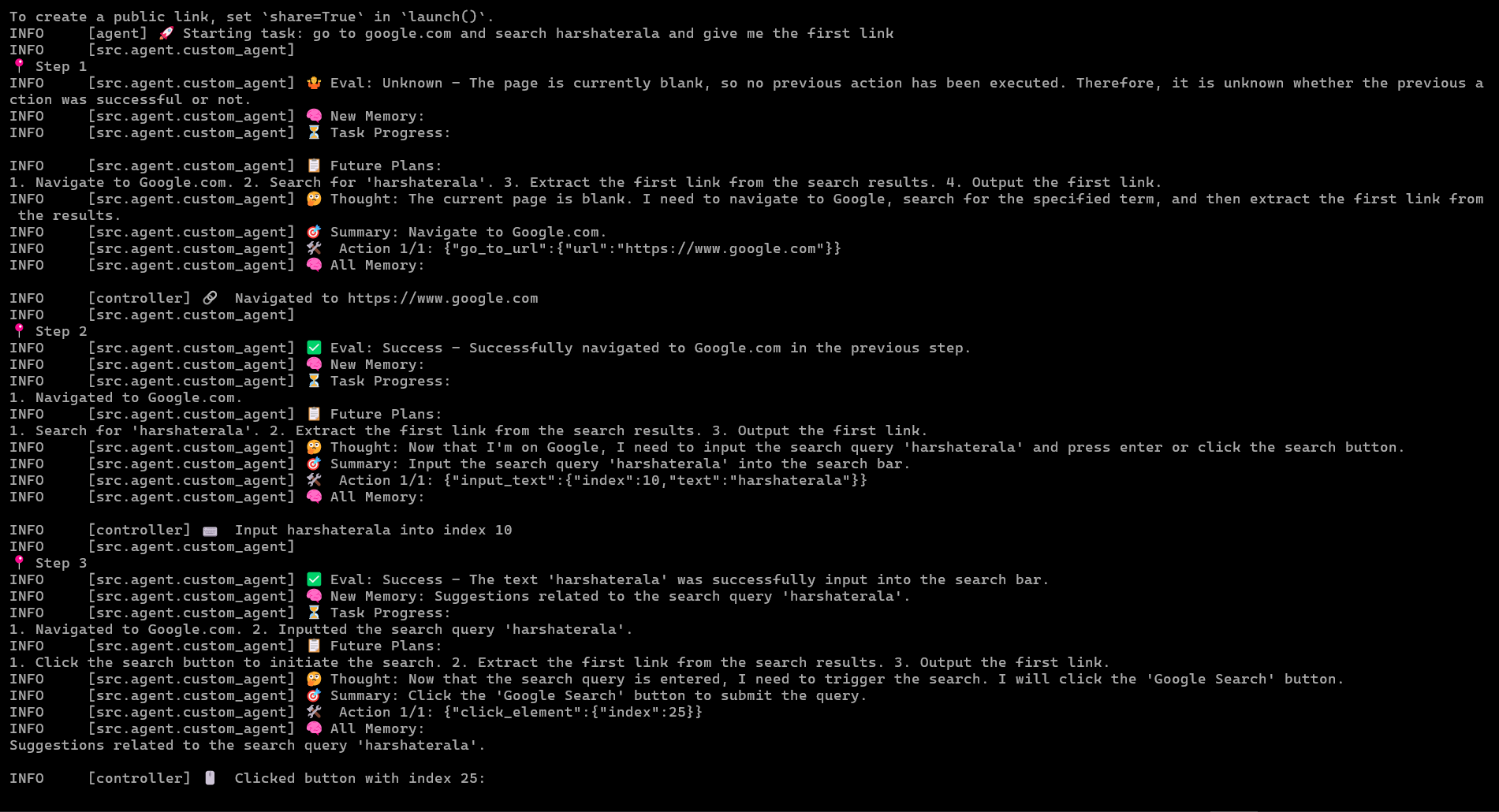
Note: Replace YourUsername with your actual Windows username for Windows systems.

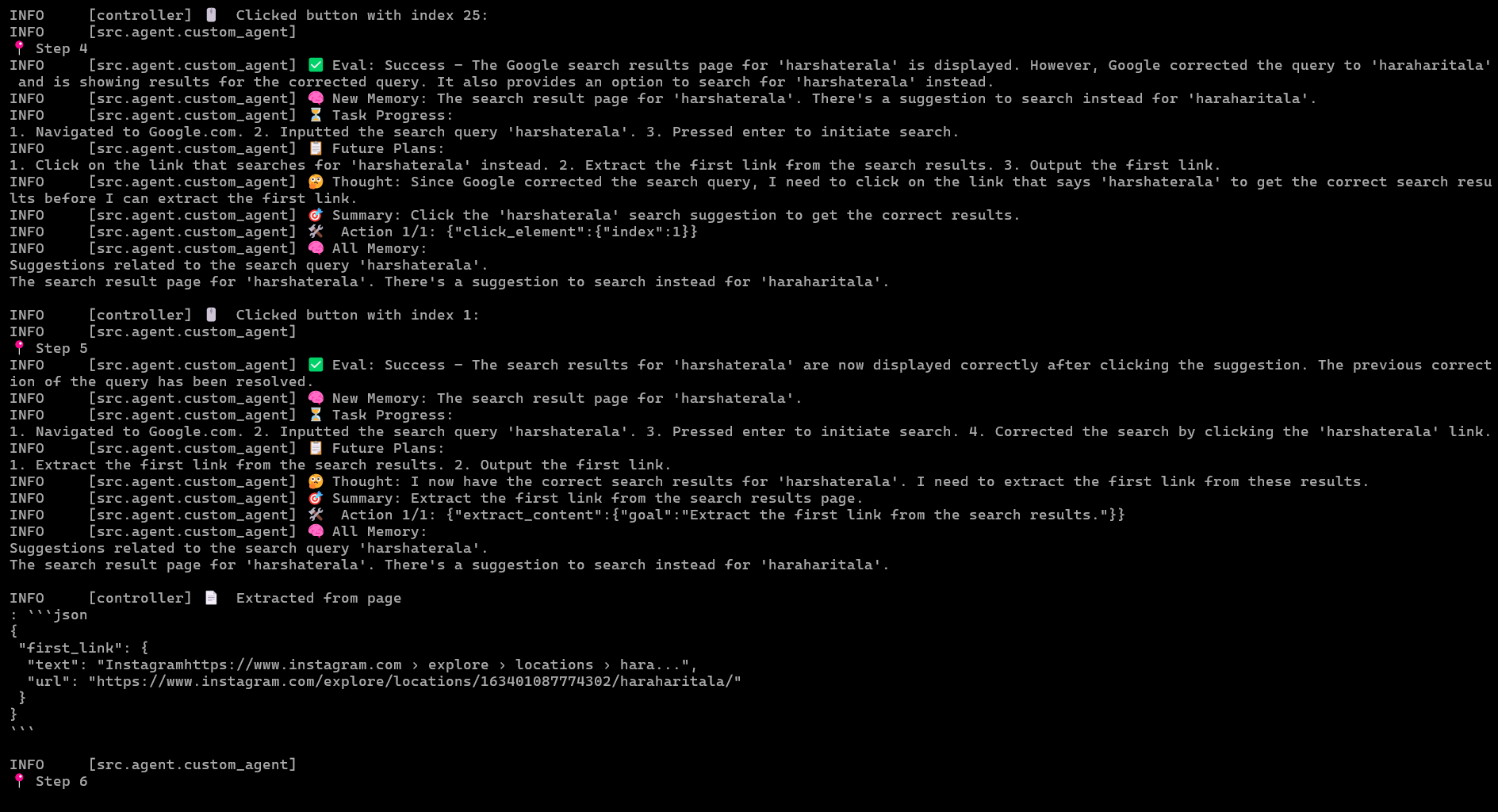
* + - Mac
    - CHROME\_PATH="/Applications/Google Chrome.app/Contents/MacOS/Google Chrome"

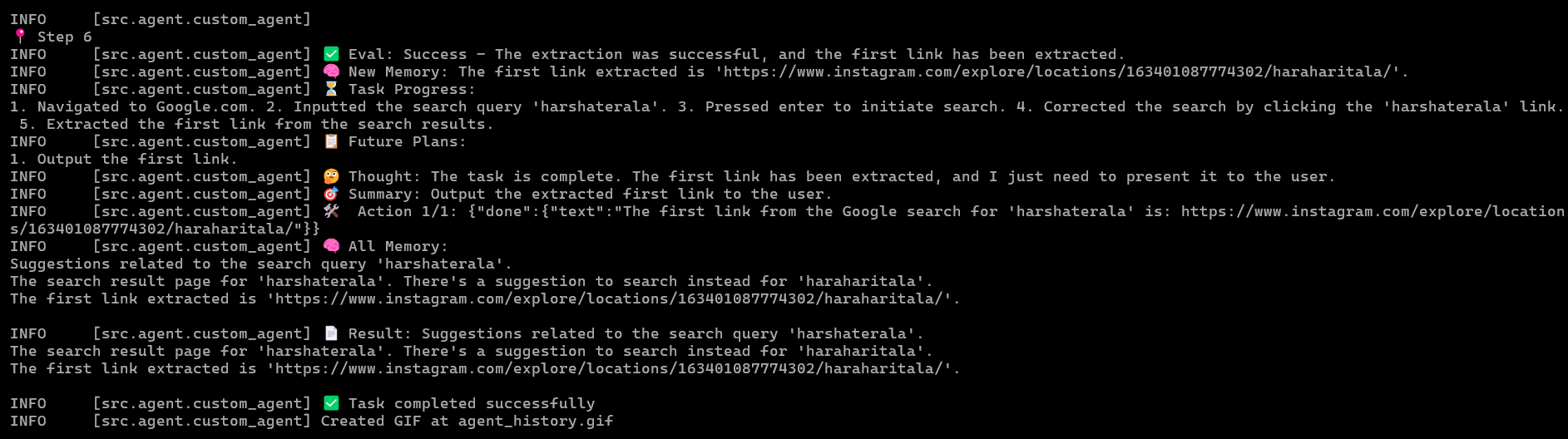
CHROME\_USER\_DATA="/Users/YourUsername/Library/Application Support/Google/Chrome"

* + Close all Chrome windows
  + Open the WebUI in a non-Chrome browser, such as Firefox or Edge. This is important because the persistent browser context will use the Chrome data when running the agent.
  + Check the "Use Own Browser" option within the Browser Settings.

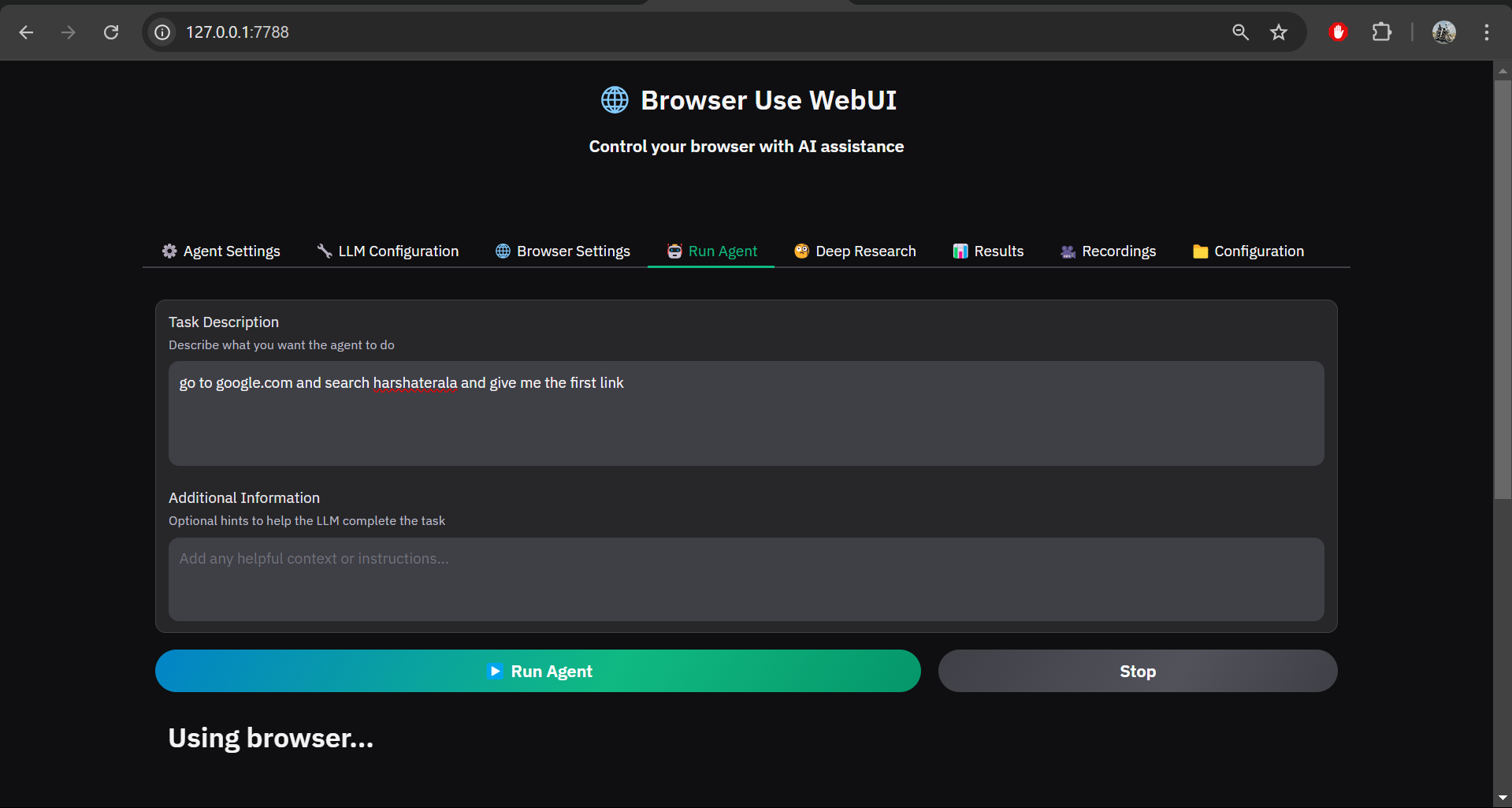
1. **Keep Browser Open(Optional):**
   * Set CHROME\_PERSISTENT\_SESSION=true in the .env file.







**INPUT :**



**RESULT :**