

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

python : python.org

Prerequisites

- Python 3.11 or higher

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\harsha_terala> python --version
Python 3.13.2
PS C:\Users\harsha_terala> pip --version
pip 24.3.1 from C:\Users\harsha_terala\AppData\Local\Programs\Python\Python313\Lib\site-packages\pip (python 3.13)
PS C:\Users\harsha_terala> pip install browser-use
Collecting browser-use
  Downloading browser_use-0.1.39-py3-none-any.whl.metadata (8.3 kB)
Collecting httpx>=0.27.2 (from browser-use)
  Downloading httpx-0.28.1-py3-none-any.whl.metadata (7.1 kB)
Collecting langchain-anthropic==0.3.3 (from browser-use)
  Downloading langchain_anthropic-0.3.3-py3-none-any.whl.metadata (2.3 kB)
Collecting langchain-core>=0.3.35 (from browser-use)
  Downloading langchain_core-0.3.37-py3-none-any.whl.metadata (5.9 kB)
Collecting langchain-ollama==0.2.2 (from browser-use)
  Downloading langchain_ollama-0.2.2-py3-none-any.whl.metadata (1.9 kB)
Collecting langchain-openai==0.3.1 (from browser-use)
  Downloading langchain_openai-0.3.1-py3-none-any.whl.metadata (2.7 kB)
Collecting markdownify==0.14.1 (from browser-use)
  Downloading markdownify-0.14.1-py3-none-any.whl.metadata (8.5 kB)
Collecting playwright>=1.49.0 (from browser-use)
  Downloading playwright-1.50.0-py3-none-win_amd64.whl.metadata (3.5 kB)
Collecting posthog>=3.7.0 (from browser-use)
  Downloading posthog-3.15.0-py2.py3-none-any.whl.metadata (2.9 kB)
Collecting pydantic>=2.10.4 (from browser-use)
  Downloading pydantic-2.10.6-py3-none-any.whl.metadata (30 kB)
Collecting python-dotenv>=1.0.1 (from browser-use)
  Downloading python_dotenv-1.0.1-py3-none-any.whl.metadata (23 kB)
Collecting requests>=2.32.3 (from browser-use)
  Downloading requests-2.32.3-py3-none-any.whl.metadata (4.6 kB)
Collecting setuptools>=75.8.0 (from browser-use)
  Downloading setuptools-75.8.0-py3-none-any.whl.metadata (6.7 kB)
Collecting anthropic<1,>=0.41.0 (from langchain-anthropic==0.3.3->browser-use)
  Downloading anthropic-0.46.0-py3-none-any.whl.metadata (23 kB)
Collecting defusedxml<0.8.0,>=0.7.1 (from langchain-anthropic==0.3.3->browser-use)
  Downloading defusedxml-0.7.1-py2.py3-none-any.whl.metadata (32 kB)
Collecting ollama<1,>=0.4.4 (from langchain-ollama==0.2.2->browser-use)
  Downloading ollama-0.4.7-py3-none-any.whl.metadata (4.7 kB)
Collecting openai<2.0.0,>=1.58.1 (from langchain-openai==0.3.1->browser-use)
  Downloading openai-1.63.2-py3-none-any.whl.metadata (27 kB)
Collecting tiktoken<1,>=0.7 (from langchain-openai==0.3.1->browser-use)
  Downloading tiktoken-0.9.0-cp313-cp313-win_amd64.whl.metadata (6.8 kB)
Collecting beautifulsoup4<5,>=4.9 (from markdownify==0.14.1->browser-use)
  Downloading beautifulsoup4-4.13.3-py3-none-any.whl.metadata (3.8 kB)
Collecting six<2,>=1.15 (from markdownify==0.14.1->browser-use)
  Downloading six-1.17.0-py2.py3-none-any.whl.metadata (1.7 kB)
Collecting anyio (from httpx>=0.27.2->browser-use)
  Downloading anyio-4.8.0-py3-none-any.whl.metadata (4.6 kB)
Collecting certifi (from httpx>=0.27.2->browser-use)
  Downloading certifi-2025.1.31-py3-none-any.whl.metadata (2.5 kB)
Collecting httpcore==1.* (from httpx>=0.27.2->browser-use)
  Downloading httpcore-1.0.7-py3-none-any.whl.metadata (21 kB)
Collecting idna (from httpx>=0.27.2->browser-use)
  Downloading idna-3.10-py3-none-any.whl.metadata (10 kB)
Collecting h11<0.15,>=0.13 (from httpcore==1.*->httpx>=0.27.2->browser-use)
  Downloading h11-0.14.0-py3-none-any.whl.metadata (8.2 kB)
Collecting langsmith<0.4,>=0.1.125 (from langchain-core>=0.3.35->browser-use)
  Downloading langsmith-0.3.10-py3-none-any.whl.metadata (14 kB)
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Collecting langchain-0.3.20-py3-none-any.whl.metadata (24 kB)
Collecting tenacity==8.4.0, <10.0.0, >=8.1.0 (from langchain-core==0.3.35->browser-use)
  Downloading tenacity-9.0.0-py3-none-any.whl.metadata (1.2 kB)
Collecting jsonpatch<2.0, >=1.33 (from langchain-core==0.3.35->browser-use)
  Downloading jsonpatch-1.33-py2.py3-none-any.whl.metadata (3.0 kB)
Collecting PyYAML>=5.3 (from langchain-core==0.3.35->browser-use)
  Downloading PyYAML-6.0.2-cp313-cp313-win_amd64.whl.metadata (2.1 kB)
Collecting packaging<25, >=23.2 (from langchain-core==0.3.35->browser-use)
  Downloading packaging-24.2-py3-none-any.whl.metadata (3.2 kB)
Collecting typing-extensions>=4.7 (from langchain-core==0.3.35->browser-use)
  Downloading typing_extensions-4.12.2-py3-none-any.whl.metadata (3.0 kB)
Collecting pyee<13, >=12 (from playwright==1.49.0->browser-use)
  Downloading pyee-12.1.1-py3-none-any.whl.metadata (2.9 kB)
Collecting greenlet<4.0.0, >=3.1.1 (from playwright==1.49.0->browser-use)
  Downloading greenlet-3.1.1-cp313-cp313-win_amd64.whl.metadata (3.9 kB)
Collecting monotonic>=1.5 (from posthog==3.7.0->browser-use)
  Downloading monotonic-1.6-py2.py3-none-any.whl.metadata (1.5 kB)
Collecting backoff>=1.10.0 (from posthog==3.7.0->browser-use)
  Downloading backoff-2.2.1-py3-none-any.whl.metadata (14 kB)
Collecting python-dateutil>2.1 (from posthog==3.7.0->browser-use)
  Downloading python_dateutil-2.9.0.post0-py2.py3-none-any.whl.metadata (8.4 kB)
Collecting annotated-types==0.6.0 (from pydantic==2.10.4->browser-use)
  Downloading annotated_types-0.7.0-py3-none-any.whl.metadata (15 kB)
Collecting pydantic-core==2.27.2 (from pydantic==2.10.4->browser-use)
  Downloading pydantic_core-2.27.2-cp313-cp313-win_amd64.whl.metadata (6.7 kB)
Collecting charset-normalizer<4, >=2 (from requests==2.32.3->browser-use)
  Downloading charset_normalizer-3.4.1-cp313-cp313-win_amd64.whl.metadata (36 kB)
Collecting urllib3<3, >=1.21.1 (from requests==2.32.3->browser-use)
  Downloading urllib3-2.3.0-py3-none-any.whl.metadata (6.5 kB)
Collecting distro<2, >=1.7.0 (from anthropic<1, >=0.41.0->langchain-anthropic==0.3.3->browser-use)
  Downloading distro-1.9.0-py3-none-any.whl.metadata (6.8 kB)
Collecting jiter<1, >=0.4.0 (from anthropic<1, >=0.41.0->langchain-anthropic==0.3.3->browser-use)
  Downloading jiter-0.8.2-cp313-cp313-win_amd64.whl.metadata (5.3 kB)
Collecting sniffio (from anthropic<1, >=0.41.0->langchain-anthropic==0.3.3->browser-use)
  Downloading sniffio-1.3.1-py3-none-any.whl.metadata (3.9 kB)
Collecting soupsieve>1.2 (from beautifulsoup4<5, >=4.9->markdownify==0.14.1->browser-use)
  Downloading soupsieve-2.6-py3-none-any.whl.metadata (4.6 kB)
Collecting jsonpointer==1.9 (from jsonpatch<2.0, >=1.33->langchain-core==0.3.35->browser-use)
  Downloading jsonpointer-3.0.0-py2.py3-none-any.whl.metadata (2.3 kB)
Collecting orjson<4.0.0, >=3.9.14 (from langsmith<0.4, >=0.1.125->langchain-core==0.3.35->browser-use)
  Downloading orjson-3.10.15-cp313-cp313-win_amd64.whl.metadata (42 kB)
Collecting requests-toolbelt<2.0.0, >=1.0.0 (from langsmith<0.4, >=0.1.125->langchain-core==0.3.35->browser-use)
  Downloading requests_toolbelt-1.0.0-py2.py3-none-any.whl.metadata (14 kB)
Collecting zstandard<0.24.0, >=0.23.0 (from langsmith<0.4, >=0.1.125->langchain-core==0.3.35->browser-use)
  Downloading zstandard-0.23.0-cp313-cp313-win_amd64.whl.metadata (3.0 kB)
Collecting tqdm>4 (from openai<2.0.0, >=1.58.1->langchain-openai==0.3.1->browser-use)
  Downloading tqdm-4.67.1-py3-none-any.whl.metadata (57 kB)
Collecting regex==2024.11.6 (from tiktoken<1, >=0.7->langchain-openai==0.3.1->browser-use)
  Downloading regex-2024.11.6-cp313-cp313-win_amd64.whl.metadata (41 kB)
Collecting colorama (from tqdm>4->openai<2.0.0, >=1.58.1->langchain-openai==0.3.1->browser-use)
  Downloading colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Downloading browser_use-0.1.39-py3-none-any.whl (83 kB)
Downloading langchain_anthropic-0.3.3-py3-none-any.whl (22 kB)
Downloading langchain_ollama-0.2.2-py3-none-any.whl (18 kB)
Downloading langchain_openai-0.3.1-py3-none-any.whl (54 kB)
Downloading markdownify-0.14.1-py3-none-any.whl (11 kB)
Downloading httpx-0.28.1-py3-none-any.whl (73 kB)
Downloading httpcore-1.0.7-py3-none-any.whl (78 kB)
Downloading langchain_core-0.3.37-py3-none-any.whl (413 kB)
Downloading playwright-1.50.0-py3-none-win_amd64.whl (34.8 MB)
34.8/34.8 MB 3.1 MB/s eta 0:00:00
Downloading posthog-3.15.0-py2.py3-none-any.whl (74 kB)

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Downloading posthog-3.15.0-py2.py3-none-any.whl (74 kB)
Downloading pydantic-2.10.6-py3-none-any.whl (431 kB)
Downloading pydantic_core-2.27.2-cp313-cp313-win_amd64.whl (2.0 MB)
2.0/2.0 MB 4.0 MB/s eta 0:00:00
Downloading python_dotenv-1.0.1-py3-none-any.whl (19 kB)
Downloading requests-2.32.3-py3-none-any.whl (64 kB)
Downloading setuptools-75.8.0-py3-none-any.whl (1.2 MB)
1.2/1.2 MB 4.1 MB/s eta 0:00:00
Downloading annotated_types-0.7.0-py3-none-any.whl (13 kB)
Downloading anthropic-0.46.0-py3-none-any.whl (223 kB)
Downloading anyio-4.8.0-py3-none-any.whl (56 kB)
Downloading backoff-2.2.1-py3-none-any.whl (15 kB)
Downloading beautifulsoup4-4.13.3-py3-none-any.whl (186 kB)
Downloading certifi-2025.1.31-py3-none-any.whl (166 kB)
Downloading charset_normalizer-3.4.1-cp313-cp313-win_amd64.whl (182 kB)
Downloading defusedxml-0.7.1-py2.py3-none-any.whl (25 kB)
Downloading greenlet-3.1.1-cp313-cp313-win_amd64.whl (299 kB)
Downloading idna-3.10-py3-none-any.whl (70 kB)
Downloading jsonpatch-1.33-py2.py3-none-any.whl (12 kB)
Downloading langsmith-0.3.10-py3-none-any.whl (333 kB)
Downloading monotonic-1.6-py2.py3-none-any.whl (8.2 kB)
Downloading ollama-0.4.7-py3-none-any.whl (13 kB)
Downloading openai-1.63.2-py3-none-any.whl (472 kB)
Downloading packaging-24.2-py3-none-any.whl (60 kB)
Downloading pyee-12.1.1-py3-none-any.whl (15 kB)
Downloading python_dateutil-2.9.0.post0-py2.py3-none-any.whl (229 kB)
Downloading PyYAML-6.0.2-cp313-cp313-win_amd64.whl (156 kB)
Downloading six-1.17.0-py2.py3-none-any.whl (11 kB)
Downloading tenacity-9.0.0-py3-none-any.whl (28 kB)
Downloading tiktoken-0.9.0-cp313-cp313-win_amd64.whl (894 kB)
894/894 kB 7.0 MB/s eta 0:00:00
Downloading typing_extensions-4.12.2-py3-none-any.whl (37 kB)
Downloading urllib3-2.3.0-py3-none-any.whl (128 kB)
Downloading distro-1.9.0-py3-none-any.whl (20 kB)
Downloading h11-0.14.0-py3-none-any.whl (58 kB)
Downloading jiter-0.8.2-cp313-cp313-win_amd64.whl (203 kB)
Downloading jsonpointer-3.0.0-py2.py3-none-any.whl (7.6 kB)
Downloading orjson-3.10.15-cp313-cp313-win_amd64.whl (133 kB)
Downloading regex-2024.11.6-cp313-cp313-win_amd64.whl (273 kB)
Downloading requests_toolbelt-1.0.0-py2.py3-none-any.whl (54 kB)
Downloading sniffio-1.3.1-py3-none-any.whl (10 kB)
Downloading soupsieve-2.6-py3-none-any.whl (36 kB)
Downloading tqdm-4.67.1-py3-none-any.whl (78 kB)
Downloading zstandard-0.23.0-cp313-cp313-win_amd64.whl (895 kB)
Installing collected packages: monotonic, zstandard, urllib3, typing_extensions, tenacity, soupsieve, sniffio, six, setuptools, regex, PyYAML, python-dotenv, packaging, orjson, jsonpointer, jiter, idna, h11, greenlet, distro, defusedxml, colorama, charset-normalizer, certifi, backoff, annotated-types, tqdm, requests, python-dateutil, pyee, pydantic-core, jsonpatch, httpcore, beautifulsoup4, anyio, tiktoken, requests-toolbelt, pydantic, posthog, playwright, markdownify, httpx, openai, ollama, langsmith, anthropic, langchain-core, langchain-openai, langchain-ollama, langchain-anthropic, browser-use
Successfully installed PyYAML-6.0.2 annotated-types-0.7.0 anthropic-0.46.0 anyio-4.8.0 backoff-2.2.1 beautifulsoup4-4.13.3 browser-use-0.1.39 certifi-2025.1.31 charset-normalizer-3.4.1 colorama-0.4.6 defusedxml-0.7.1 distro-1.9.0 greenlet-3.1.1 h11-0.14.0 httpcore-1.0.7 httpx-0.28.1 idna-3.10 jiter-0.8.2 jsonpatch-1.33 jsonpointer-3.0.0 langchain-anthropic-0.3.3 langchain-core-0.3.37 langchain-ollama-0.2.2 langchain-openai-0.3.1 langsmith-0.3.10 markdownify-0.14.1 monotonic-1.6 ollama-0.4.7 openai-1.63.2 orjson-3.10.15 packaging-24.2 playwright-1.50.0 posthog-3.15.0 pydantic-2.10.6 pydantic-core-2.27.2 pyee-12.1.1 python-dateutil-2.9.0.post0 python-dotenv-1.0.1 requests-2.32.3 requests-toolbelt-1.0.0 setuptools-75.8.0 six-1.17.0 sniffio-1.3.1 soupsieve-2.6 tenacity-9.0.0 tiktoken-0.9.0 tqdm-4.67.1 typing_extensions-4.12.2 urllib3-2.3.0 zstandard-0.23.0
[notice] A new release of pip is available: 20.3.1 -> 25.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip

```

- 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...>
6. Go to cd web-ui and install uv - curl -Lsf <https://astral.sh/uv/install.sh> | 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](#) 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

```
PS C:\Users\harsha_terala> cd Onedrive
PS C:\Users\harsha_terala\Onedrive> cd T-personal
```

```
Five> cd Desktop
Cloning into 'web-ui'...
remote: Enumerating objects: 1464, done.
remote: Counting objects: 100% (854/854), done.
remote: Compressing objects: 100% (287/287), done.
remote: Total 1464 (delta 735), reused 568 (delta 567), pack-reused 610 (from 2)
Receiving objects: 100% (1464/1464), 915.43 KiB | 1.78 MiB/s, done.
Resolving deltas: 100% (899/899), done.
PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent> cd web-ui
PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> uv venv --python 3.11
```

Step 2: Set Up Python Environment

We recommend using [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`

```
PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> $env:Path = "C:\Users\harsha_terala\.local\bin;" + $env:Path

PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> uv --version
uv 0.6.2 (6d3614ee 2025-02-19)
PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> uv venv --python 3.13
Using CPython 3.13.2 interpreter at: C:\Users\harsha_terala\AppData\Local\Programs\Python\Python313\python.exe
Creating virtual environment at: .venv
Activate with: .venv\Scripts\activate
PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> .venv\Scripts\activate
(web-ui) PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> uv pip install -r requirements.txt
Resolved 160 packages in 26.05s
  Built pyperclip==1.9.0
  Built html2text==2024.2.26
  Built markupsafe==2.1.5
Prepared 159 packages in 2m 11s
Installed 160 packages in 8.16s
+ aiofiles==23.2.1
+ aiohappyeyeballs==2.4.6
+ aiohttp==3.11.12
+ aiosignal==1.3.2
+ annotated-types==0.7.0
+ anthropic==0.46.0
+ anyio==4.8.0
+ argparse==1.4.0
+ attrs==25.1.0
+ audiop-lts==0.2.1
+ babel==2.17.0
+ backoff==2.2.1
+ beautifulsoup4==4.13.3
+ boto3==1.36.26
+ botocore==1.36.26
+ browser-use==0.1.37
+ cachetools==5.5.2
+ certifi==2025.1.31
+ charset-normalizer==3.4.1
+ click==8.1.8
+ colorama==0.4.6
+ courlan==1.3.2
+ dateparser==1.2.1
+ defusedxml==0.7.1
+ deprecated==1.2.18
+ distro==1.9.0
+ fastapi==0.115.8
+ ffmpeg==0.5.0
+ filelock==3.17.0
+ filetype==1.2.0
+ fireworks-ai==0.15.12
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+ frozenlist==1.5.0
+ fsspec==2025.2.0
+ google-ai-generativelanguage==0.6.15
+ google-api-core==2.24.1
+ google-api-python-client==2.161.0
+ google-auth==2.38.0
+ google-auth-httplib2==0.2.0
+ google-generativeai==0.8.4
+ googleapis-common-protos==1.68.0
+ gradio==5.10.0
+ gradio-client==1.5.3
+ greenlet==3.1.1
+ grpcio==1.67.1
+ grpcio-status==1.67.1
+ h11==0.14.0
+ html2text==2024.2.26
+ htmldate==1.9.3
+ httpcore==1.0.7
+ httplib2==0.22.0
+ httpx==0.28.1
+ httpx-sse==0.4.0
+ httpx-ws==0.7.1
+ huggingface-hub==0.29.1
+ idna==3.10
+ importlib-metadata==8.5.0
+ jinja2==3.1.5
+ jiter==0.8.2
+ jmespath==1.0.1
+ json-repair==0.39.0
+ jsonpatch==1.33
+ jsonpointer==3.0.0
+ justext==3.0.1
+ langchain==0.3.14
+ langchain-anthropic==0.3.3
+ langchain-aws==0.2.13
+ langchain-core==0.3.37
+ langchain-fireworks==0.2.7
+ langchain-google-genai==2.0.8
+ langchain-mistralai==0.2.4
+ langchain-ollama==0.2.2
+ langchain-openai==0.3.1
+ langchain-text-splitters==0.3.6
+ langsmith==0.2.11
+ lmnr==0.4.62
+ lxml==5.3.1
+ lxml-html-clean==0.4.1
+ maincontentextractor==0.0.4
```

```
+ markdown-it-py==3.0.0
+ markdownify==0.14.1
+ markupsafe==2.1.5
+ mdurl==0.1.2
+ monotonic==1.6
+ multidict==6.1.0
+ numpy==2.2.3
+ ollama==0.4.7
+ openai==1.52.2
+ opentelemetry-api==1.30.0
+ opentelemetry-exporter-otlp-proto-common==1.30.0
+ opentelemetry-exporter-otlp-proto-grpc==1.30.0
+ opentelemetry-exporter-otlp-proto-http==1.30.0
+ opentelemetry-instrumentation==0.51b0
+ opentelemetry-instrumentation-langchain==0.38.7
+ opentelemetry-instrumentation-requests==0.51b0
+ opentelemetry-instrumentation-sqlalchemy==0.51b0
+ opentelemetry-instrumentation-threading==0.51b0
+ opentelemetry-instrumentation-urllib3==0.51b0
+ opentelemetry-proto==1.30.0
+ opentelemetry-sdk==1.30.0
+ opentelemetry-semantic-conventions==0.51b0
+ opentelemetry-semantic-conventions-ai==0.4.2
+ opentelemetry-util-http==0.51b0
+ orjson==3.10.15
+ packaging==24.2
+ pandas==2.2.3
+ pillow==11.1.0
+ playwright==1.50.0
+ posthog==5.15.0
+ propcache==0.3.0
+ proto-plus==1.26.0
+ protobuf==5.29.3
+ pyasn1==0.6.1
+ pyasn1-modules==0.4.1
+ pydantic==2.10.6
+ pydantic-core==2.27.2
+ pydub==0.25.1
+ pyee==12.1.1
+ pygments==2.19.1
+ pyparsing==3.2.1
+ pypertld==1.0.0
+ python-dateutil==2.9.0.post0
+ python-dotenv==1.0.1
+ python-multipart==0.0.20
+ pytz==2025.1
+ pyyaml==6.0.2
```

```
+ regex==2024.11.8
+ requests==2.32.3
+ requests-toolbelt==1.0.0
+ rich==13.9.4
+ rsa==4.9
+ ruff==0.9.7
+ s3transfer==0.11.2
+ safehttpx==0.1.6
+ semantic-version==2.10.0
+ setuptools==75.8.0
+ shellingham==1.5.4
+ six==1.17.0
+ sniffio==1.3.1
+ soupsieve==2.6
+ sqlalchemy==2.0.38
+ starlette==0.45.3
+ tenacity==9.0.0
+ tiktoken==0.9.0
+ tld==0.13
+ tokenizers==0.21.0
+ tomkit==0.13.2
+ tqdm==4.67.1
+ trafalatura==2.0.0
+ typer==0.15.1
+ typing-extensions==4.12.2
+ tzdata==2025.1
+ tzlocal==5.3
+ writeurl==4.1.1
+ urllib3==2.3.0
+ uvicorn==0.34.0
+ websockets==14.2
+ wrapt==1.17.2
+ wsproto==1.2.0
+ yarll==1.18.3
+ zipp==3.21.0
```

Step 3: Install Dependencies

Install Python packages:

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

Install Playwright:

```
playwright install
```

```
PS C:\Users\harsha_terala> playwright install
Downloading Chromium 133.0.6943.16 (playwright build v1155) from https://cdn.playwright.dev/dbazure/download/playwright/builds/chromium/1155/chromium-win64.zip
140 MiB [=====] 100% 0.0s
Chromium 133.0.6943.16 (playwright build v1155) downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\chromium-1155
Downloading Chromium Headless Shell 133.0.6943.16 (playwright build v1155) from https://cdn.playwright.dev/dbazure/download/playwright/builds/chromium/1155/chromium-headless-shell-win64.zip
87.4 MiB [=====] 100% 0.0s
Chromium Headless Shell 133.0.6943.16 (playwright build v1155) downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\chromium_headless_shell-1155
Downloading Firefox 134.0 (playwright build v1471) from https://cdn.playwright.dev/dbazure/download/playwright/builds/firefox/1471/firefox-win64.zip
87 MiB [=====] 100% 0.0s
Firefox 134.0 (playwright build v1471) downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\firefox-1471
Downloading Webkit 18.2 (playwright build v2123) from https://cdn.playwright.dev/dbazure/download/playwright/builds/webkit/2123/webkit-win64.zip
51.2 MiB [=====] 100% 0.0s
Webkit 18.2 (playwright build v2123) downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\webkit-2123
Downloading FFmpeg playwright build v1011 from https://cdn.playwright.dev/dbazure/download/playwright/builds/ffmpeg/1011/ffmpeg-win64.zip
1.3 MiB [=====] 100% 0.0s
FFmpeg playwright build v1011 downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\ffmpeg-1011
Downloading WinLdd playwright build v1007 from https://cdn.playwright.dev/dbazure/download/playwright/builds/winldd/1007/winldd-win64.zip
0.1 MiB [=====] 100% 0.0s
WinLdd playwright build v1007 downloaded to C:\Users\harsha_terala\AppData\Local\ms-playwright\winldd-1007
```

Step 4: Configure Environment

1. Create a copy of the example environment file:

- Windows (Command Prompt):

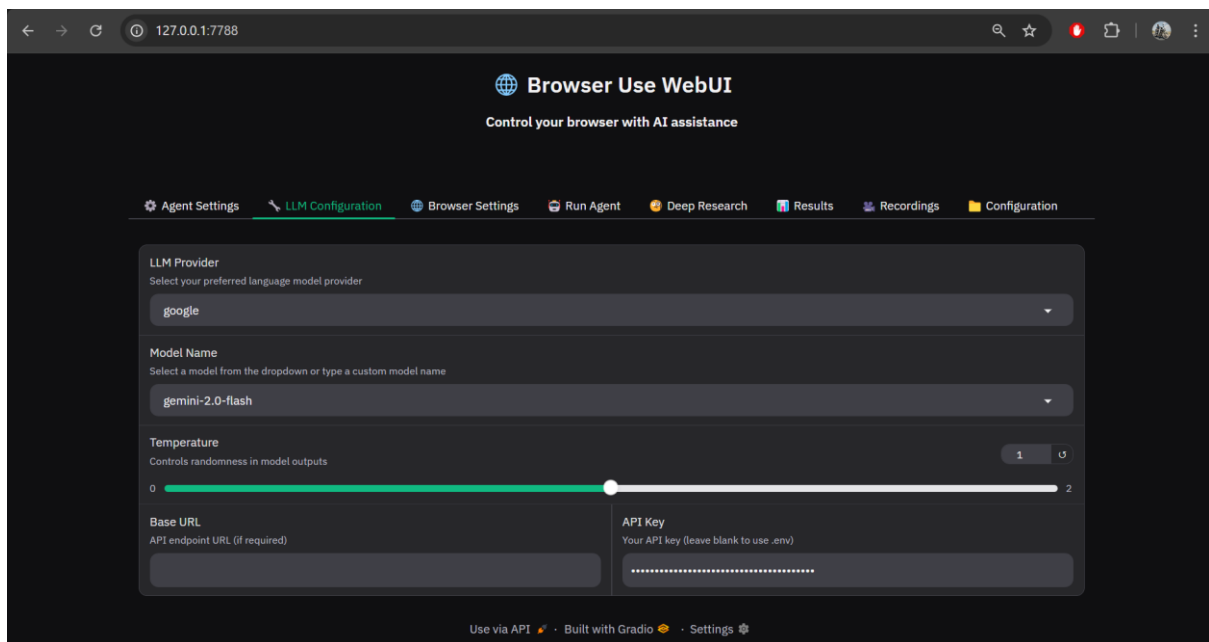
```
copy .env.example .env
```

- macOS/Linux/Windows (PowerShell):

```
(web-ui) PS C:\Users\harsha_terala\Onedrive\Desktop\ai-agent\web-ui> python webui.py --ip 127.0.0.1 --port 7788
INFO [browser_use] BrowserUse logging setup complete with level info
INFO [root] Anonymized telemetry enabled. See https://docs.browser-use.com/development/telemetry for more information.
* Running on local URL: http://127.0.0.1:7788
```

```
cp .env.example .env
```

2. 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
```

2. 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.

3. **Access the WebUI:** Open your web browser and navigate to `http://127.0.0.1:7788`.

4. **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.

5. Keep Browser Open(Optional):

- Set CHROME_PERSISTENT_SESSION=true in the .env file.

```
To create a public link, set 'share=True' in 'launch()'.
INFO [agent] 🚀 Starting task: go to google.com and search harshaterala and give me the first link
INFO [src.agent.custom_agent]
🔥 Step 1
INFO [src.agent.custom_agent] 🟡 Eval: Unknown - The page is currently blank, so no previous action has been executed. Therefore, it is unknown whether the previous action was successful or not.
INFO [src.agent.custom_agent] 🟡 New Memory:
INFO [src.agent.custom_agent] 🟡 Task Progress:

INFO [src.agent.custom_agent] 🟡 Future Plans:
1. Navigate to Google.com. 2. Search for 'harshaterala'. 3. Extract the first link from the search results. 4. Output the first link.
INFO [src.agent.custom_agent] 🟡 Thought: The current page is blank. I need to navigate to Google, search for the specified term, and then extract the first link from the results.
INFO [src.agent.custom_agent] 🟡 Summary: Navigate to Google.com.
INFO [src.agent.custom_agent] 🟡 Action 1/1: {"go_to_url":{"url":"https://www.google.com"}}
INFO [src.agent.custom_agent] 🟡 All Memory:

INFO [controller] 🟢 Navigated to https://www.google.com
INFO [src.agent.custom_agent]
🔥 Step 2
INFO [src.agent.custom_agent] 🟢 Eval: Success - Successfully navigated to Google.com in the previous step.
INFO [src.agent.custom_agent] 🟡 New Memory:
INFO [src.agent.custom_agent] 🟡 Task Progress:
1. Navigated to Google.com.
INFO [src.agent.custom_agent] 🟡 Future Plans:
1. Search for 'harshaterala'. 2. Extract the first link from the search results. 3. Output the first link.
INFO [src.agent.custom_agent] 🟡 Thought: Now that I'm on Google, I need to input the search query 'harshaterala' and press enter or click the search button.
INFO [src.agent.custom_agent] 🟡 Summary: Input the search query 'harshaterala' into the search bar.
INFO [src.agent.custom_agent] 🟡 Action 1/1: {"input_text":{"index":10,"text":"harshaterala"}}
INFO [src.agent.custom_agent] 🟡 All Memory:

INFO [controller] 🟢 Input harshaterala into index 10
INFO [src.agent.custom_agent]
🔥 Step 3
INFO [src.agent.custom_agent] 🟢 Eval: Success - The text 'harshaterala' was successfully input into the search bar.
INFO [src.agent.custom_agent] 🟡 New Memory: Suggestions related to the search query 'harshaterala'.
INFO [src.agent.custom_agent] 🟡 Task Progress:
1. Navigated to Google.com. 2. Inputted the search query 'harshaterala'.
INFO [src.agent.custom_agent] 🟡 Future Plans:
1. Click the search button to initiate the search. 2. Extract the first link from the search results. 3. Output the first link.
INFO [src.agent.custom_agent] 🟡 Thought: Now that the search query is entered, I need to trigger the search. I will click the 'Google Search' button.
INFO [src.agent.custom_agent] 🟡 Summary: Click the 'Google Search' button to submit the query.
INFO [src.agent.custom_agent] 🟡 Action 1/1: {"click_element":{"index":25}}
INFO [src.agent.custom_agent] 🟡 All Memory:
Suggestions related to the search query 'harshaterala'.

INFO [controller] 🟢 Clicked button with index 25:
```

```
INFO [controller] 🟢 Clicked button with index 25:
INFO [src.agent.custom_agent]
🔥 Step 4
INFO [src.agent.custom_agent] 🟢 Eval: Success - The Google search results page for 'harshaterala' is displayed. However, Google corrected the query to 'haraharitala' and is showing results for the corrected query. It also provides an option to search for 'harshaterala' instead.
INFO [src.agent.custom_agent] 🟡 New Memory: The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.
INFO [src.agent.custom_agent] 🟡 Task Progress:
1. Navigated to Google.com. 2. Inputted the search query 'harshaterala'. 3. Pressed enter to initiate search.
INFO [src.agent.custom_agent] 🟡 Future Plans:
1. Click on the link that searches for 'harshaterala' instead. 2. Extract the first link from the search results. 3. Output the first link.
INFO [src.agent.custom_agent] 🟡 Thought: Since Google corrected the search query, I need to click on the link that says 'harshaterala' to get the correct search results before I can extract the first link.
INFO [src.agent.custom_agent] 🟡 Summary: Click the 'harshaterala' search suggestion to get the correct results.
INFO [src.agent.custom_agent] 🟡 Action 1/1: {"click_element":{"index":1}}
INFO [src.agent.custom_agent] 🟡 All Memory:
Suggestions related to the search query 'harshaterala'.
The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.

INFO [controller] 🟢 Clicked button with index 1:
INFO [src.agent.custom_agent]
🔥 Step 5
INFO [src.agent.custom_agent] 🟢 Eval: Success - The search results for 'harshaterala' are now displayed correctly after clicking the suggestion. The previous correction of the query has been resolved.
INFO [src.agent.custom_agent] 🟡 New Memory: The search result page for 'harshaterala'.
INFO [src.agent.custom_agent] 🟡 Task Progress:
1. Navigated to Google.com. 2. Inputted the search query 'harshaterala'. 3. Pressed enter to initiate search. 4. Corrected the search by clicking the 'harshaterala' link.
INFO [src.agent.custom_agent] 🟡 Future Plans:
1. Extract the first link from the search results. 2. Output the first link.
INFO [src.agent.custom_agent] 🟡 Thought: I now have the correct search results for 'harshaterala'. I need to extract the first link from these results.
INFO [src.agent.custom_agent] 🟡 Summary: Extract the first link from the search results page.
INFO [src.agent.custom_agent] 🟡 Action 1/1: {"extract_content":{"goal":"Extract the first link from the search results."}}
INFO [src.agent.custom_agent] 🟡 All Memory:
Suggestions related to the search query 'harshaterala'.
The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.

INFO [controller] 🟢 Extracted from page
: ``json
{
  "first_link": {
    "text": "Instagramhttps://www.instagram.com > explore > locations > hara...",
    "url": "https://www.instagram.com/explore/locations/163401087774302/haraharitala/"
  }
}
...

INFO [src.agent.custom_agent]
🔥 Step 6
```



```

INFO      [src.agent.custom_agent]
🔴 Step 6
INFO      [src.agent.custom_agent] ✅ Eval: Success - The extraction was successful, and the first link has been extracted.
INFO      [src.agent.custom_agent] 🟡 New Memory: The first link extracted is 'https://www.instagram.com/explore/locations/163401087774302/haraharitala/'.
INFO      [src.agent.custom_agent] ⚠️ Task Progress:
1. Navigated to Google.com. 2. Inputted the search query 'harshaterala'. 3. Pressed enter to initiate search. 4. Corrected the search by clicking the 'harshaterala' link.
5. Extracted the first link from the search results.
INFO      [src.agent.custom_agent] 📅 Future Plans:
1. Output the first link.
INFO      [src.agent.custom_agent] 🤖 Thought: The task is complete. The first link has been extracted, and I just need to present it to the user.
INFO      [src.agent.custom_agent] 📄 Summary: Output the extracted first link to the user.
INFO      [src.agent.custom_agent] ⚡ Action 1/1: {"done":{"text":"The first link from the Google search for 'harshaterala' is: https://www.instagram.com/explore/locations/163401087774302/haraharitala/"}}
INFO      [src.agent.custom_agent] 🟡 All Memory:
Suggestions related to the search query 'harshaterala'.
The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.
The first link extracted is 'https://www.instagram.com/explore/locations/163401087774302/haraharitala/'.


INFO      [src.agent.custom_agent] 📄 Result: Suggestions related to the search query 'harshaterala'.
The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.
The first link extracted is 'https://www.instagram.com/explore/locations/163401087774302/haraharitala/'.

INFO      [src.agent.custom_agent] ✅ Task completed successfully
INFO      [src.agent.custom_agent] Created GIF at agent_history.gif

```

INPUT :

127.0.0.1:7788

 **Browser Use WebUI**
Control your browser with AI assistance

Agent Settings
LLM Configuration
Browser Settings
Run Agent
Deep Research
Results
Recordings
Configuration

Task Description
Describe what you want the agent to do

go to google.com and search harshaterala and give me the first link

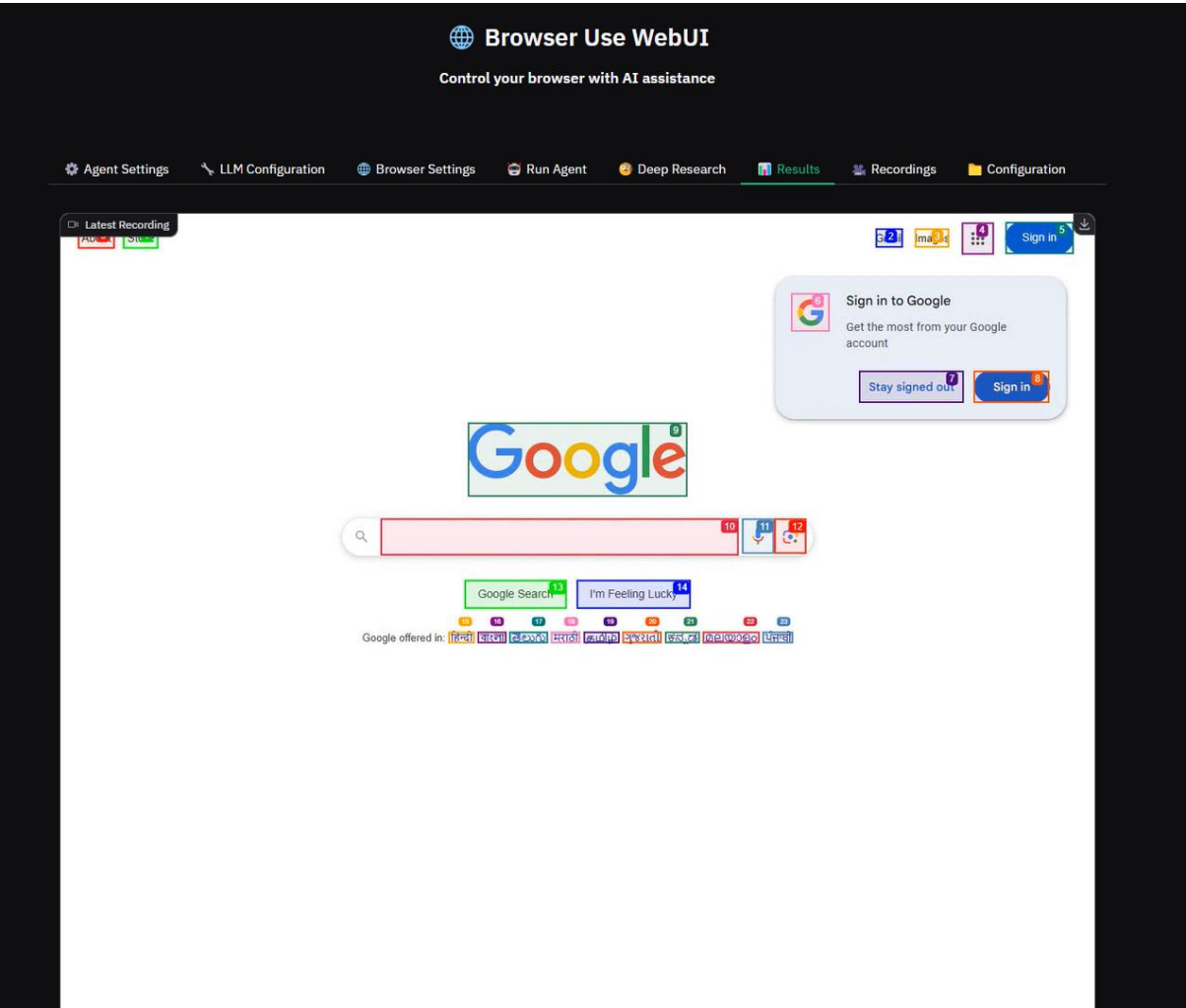
Additional Information
Optional hints to help the LLM complete the task

Add any helpful context or instructions...

Run Agent
Stop

Using browser...

RESULT :



Results

Final Result

Suggestions related to the search query 'harshaterala'.
The search result page for 'harshaterala'. There's a suggestion to search instead for 'haraharitala'.
The first link extracted is

Model Actions

[{"go_to_url": {"url": "https://www.google.com"}, "interacted_element": None}, {"input_text": {"index": 10, "text": "harshaterala"}, "interacted_element": "DOMHistoryElement(tag_name='textarea', srcdoc='html/body/div/div[2]/form/div/div/div/div[2]/textarea'"}]

Errors

[]

Model Thoughts

important_contents= Suggestions related to the search query 'harshaterala'. , task_progress="1. Navigated to Google.com. 2. Inputted the search query 'harshaterala', future_plans="1. Click the search button to initiate the search. 2. Extract the first link from the search results. 3. Output the first link.", thought="Now that the search query is entered, I need to trigger the search. I will

Trace File

Agent History

ce9163d7-779d-4615-b2ff-d2c027aed9f1.json 1.3 MB

Use via API · Built with Gradio · Settings