Privacy Policy Assistant Instruction

This project is a browser extension designed to help users better understand website privacy policies. Below is a step-by-step guide to setting up and using the plugin:

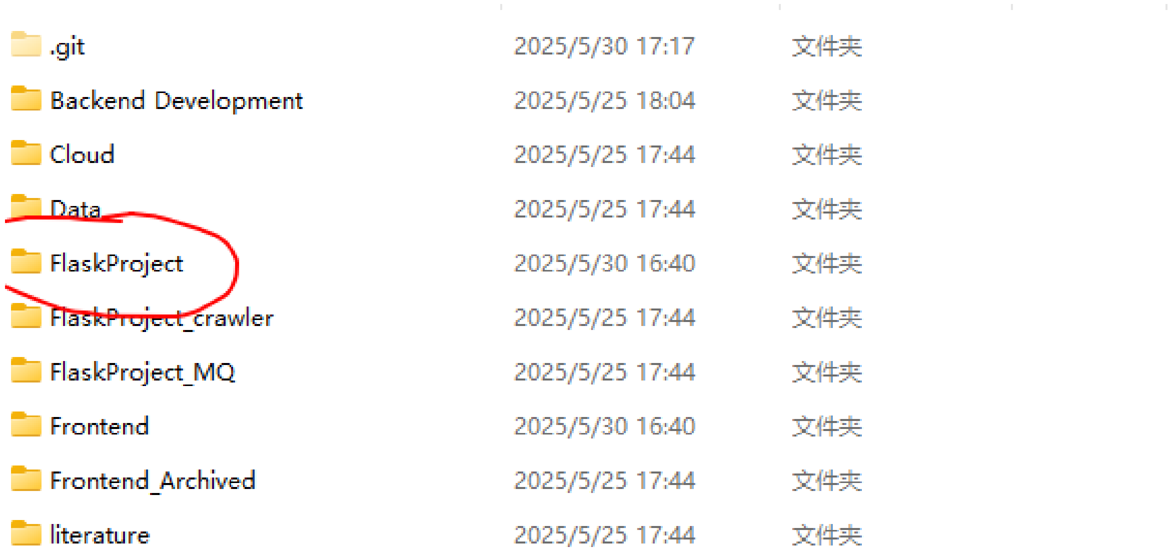
Environment Setup

Install Docker and a virtual machine (e.g., WSL + Ubuntu, or any other Linux VM)

Install MongoDB (we recommend MongoDB Compass as a graphical interface

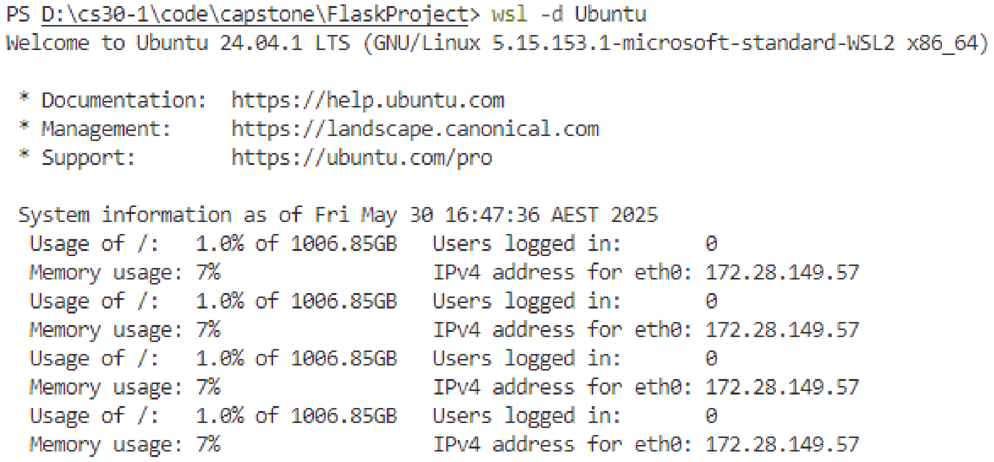
Step 1: Start the Main Project (FlaskProject)

Open the main project directory: FlaskProject



.git	2025/5/30 17:17	文件夹
Backend Development	2025/5/25 18:04	文件夹
Cloud	2025/5/25 17:44	文件夹
Data	2025/5/25 17:44	文件夹
FlaskProject	2025/5/30 16:40	文件夹
FlaskProject_crawler	2025/5/25 17:44	文件夹
FlaskProject_MQ	2025/5/25 17:44	文件夹
Frontend	2025/5/30 16:40	文件夹
Frontend_Archived	2025/5/25 17:44	文件夹
literature	2025/5/25 17:44	文件夹

Ensure that Docker is installed and running



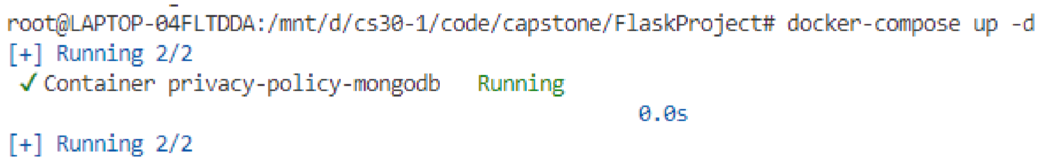
```
PS D:\cs30-1\code\capstone\FlaskProject> wsl -d Ubuntu
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 5.15.153.1-microsoft-standard-WSL2 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Fri May 30 16:47:36 AEST 2025
  Usage of /:   1.0% of 1006.85GB   Users logged in:       0
  Memory usage: 7%                  IPv4 address for eth0: 172.28.149.57
  Usage of /:   1.0% of 1006.85GB   Users logged in:       0
  Memory usage: 7%                  IPv4 address for eth0: 172.28.149.57
  Usage of /:   1.0% of 1006.85GB   Users logged in:       0
  Memory usage: 7%                  IPv4 address for eth0: 172.28.149.57
  Usage of /:   1.0% of 1006.85GB   Users logged in:       0
  Memory usage: 7%                  IPv4 address for eth0: 172.28.149.57
```

Open a terminal and run the following command:

Docker-compose up -d



```
root@LAPTOP-04FLTDDA:/mnt/d/cs30-1/code/capstone/FlaskProject# docker-compose up -d
[+] Running 2/2
 ✓ Container privacy-policy-mongodb    Running
                                                     0.0s
[+] Running 2/2
```

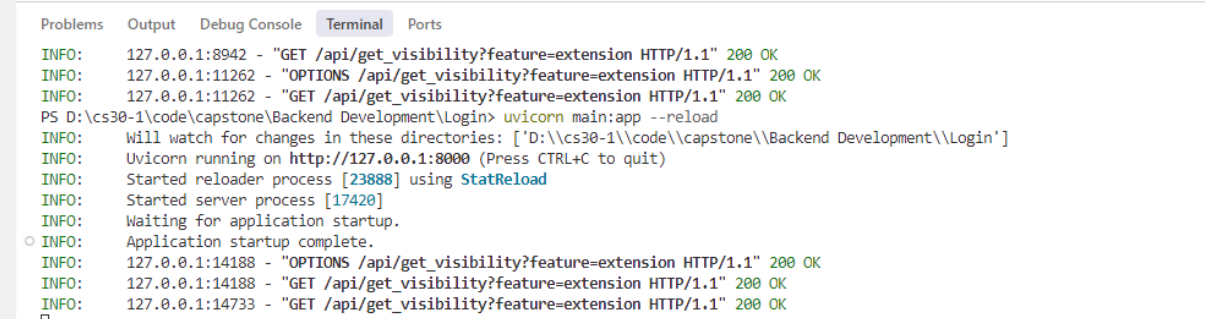
This will launch the core backend services in Docker containers

Step2: Start the Login Service (login module)

Open another terminal window or code editor

Navigate to the FlaskProject/services/backend/login/ directory

Run the following command (as indicated in the README file): uvicorn main:app --reload



```
INFO:     127.0.0.1:8942 - "GET /api/get_visibility?feature=extension HTTP/1.1" 200 OK
INFO:     127.0.0.1:11262 - "OPTIONS /api/get_visibility?feature=extension HTTP/1.1" 200 OK
INFO:     127.0.0.1:11262 - "GET /api/get_visibility?feature=extension HTTP/1.1" 200 OK
PS D:\cs30-1\code\capstone\Backend Development\Login> uvicorn main:app --reload
INFO:     Will watch for changes in these directories: ['D:\\cs30-1\\code\\capstone\\Backend Development\\Login']
INFO:     Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO:     Started reloader process [23888] using StatReload
INFO:     Started server process [17420]
INFO:     Waiting for application startup.
INFO:     Application startup complete.
INFO:     127.0.0.1:14188 - "OPTIONS /api/get_visibility?feature=extension HTTP/1.1" 200 OK
INFO:     127.0.0.1:14188 - "GET /api/get_visibility?feature=extension HTTP/1.1" 200 OK
INFO:     127.0.0.1:14733 - "GET /api/get_visibility?feature=extension HTTP/1.1" 200 OK
```

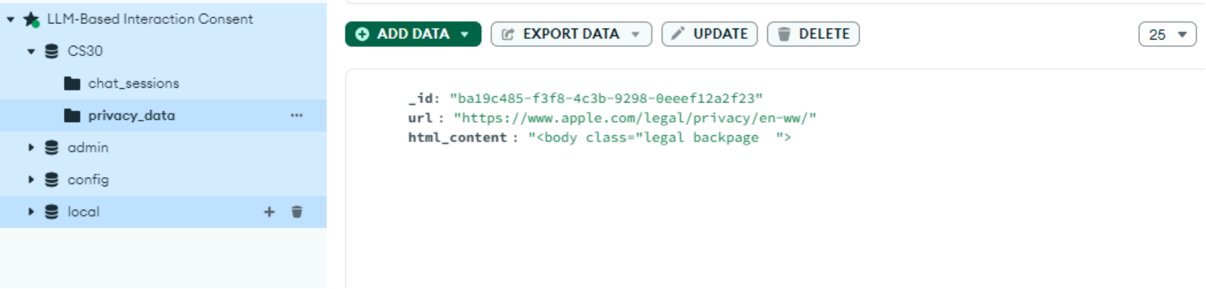
This will start the login service, enabling user authentication

Step 3: Configure and Connect to MongoDB

Open MongoDB Compass

Start a local MongoDB instance (default URI: mongodb://localhost:27017)

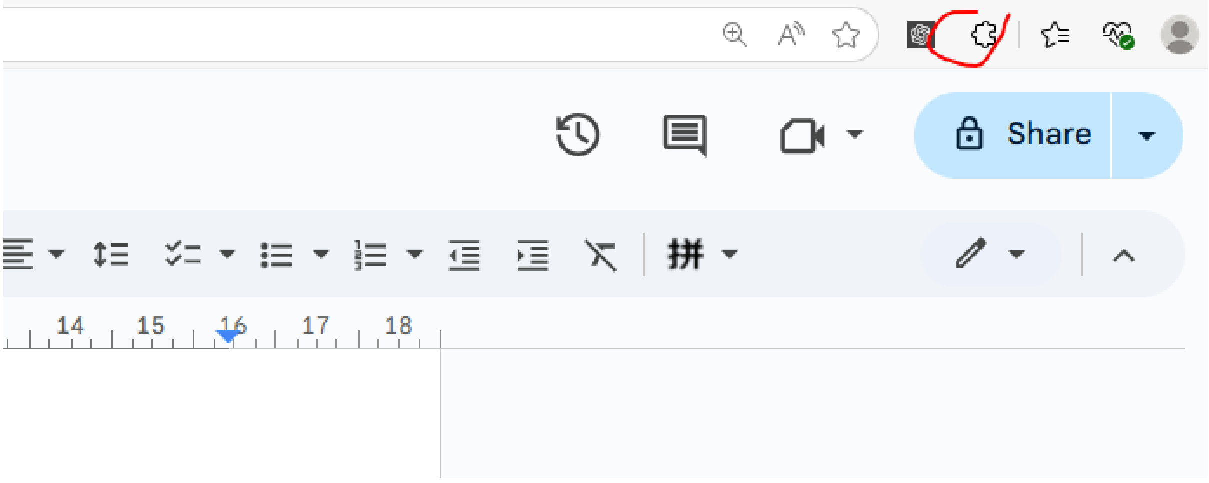
Modify the MongoDB connection configuration in your project (e.g., .env or config.py) to match your local setup



```
_id: "ba19c485-f3f8-4c3b-9298-0eeef12a2f23"
url : "https://www.apple.com/legal/privacy/en-ww/"
html_content : "<body class="legal backpage  ">
```

Step 4: Load the Extension (Frontend)

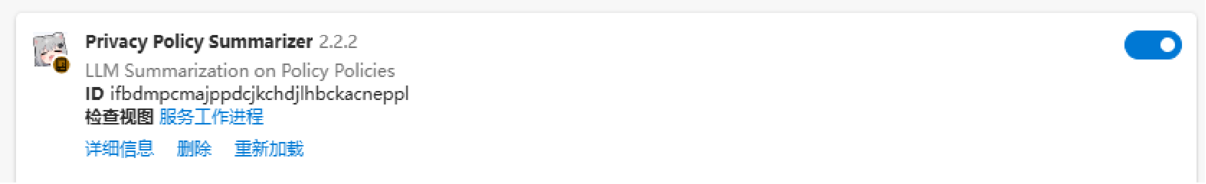
Open your browser and click the extensions icon in the upper-right corner, then select "Manage Extensions"



Click "Load unpacked extension"

Select the frontend-extension folder (we recommend version v2.2.2)

Once loaded, the plugin will be installed successfully.



Privacy Policy Summarizer 2.2.2

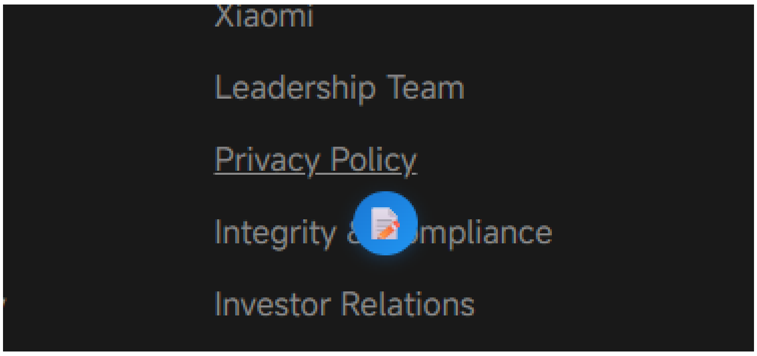
LLM Summarization on Policy Policies

ID ifbdmpcmajppdcjkchdjlhbckacneppl

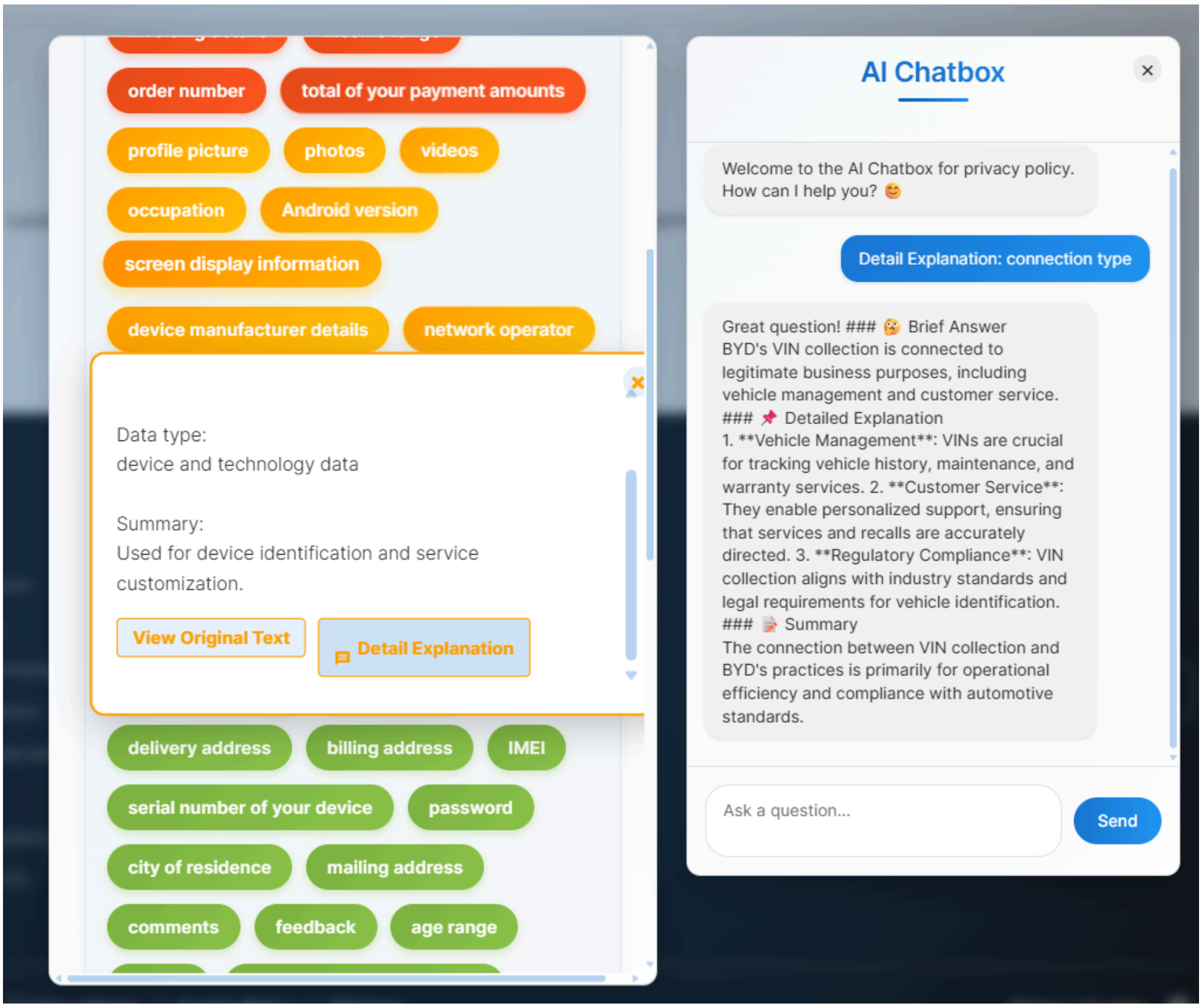
检查视图 服务工作进程

Plugin Usage Instructions

The plugin will automatically detect privacy policy pages and display simplified summaries in pop-up bubbles.



Users can also type keywords or questions into the plugin, and it will return intelligent explanations based on LLM (Large Language Model) responses.



Data type:
device and technology data

Summary:
Used for device identification and service customization.

Welcome to the AI Chatbox for privacy policy. How can I help you? 😊

Detail Explanation: connection type

Great question! ### 🤔 Brief Answer
BYD's VIN collection is connected to legitimate business purposes, including vehicle management and customer service.
📌 Detailed Explanation
1. **Vehicle Management**: VINs are crucial for tracking vehicle history, maintenance, and warranty services. 2. **Customer Service**: They enable personalized support, ensuring that services and recalls are accurately directed. 3. **Regulatory Compliance**: VIN collection aligns with industry standards and legal requirements for vehicle identification.
📝 Summary
The connection between VIN collection and BYD's practices is primarily for operational efficiency and compliance with automotive standards.

If the plugin shows "service not running," click Reload and refresh the target webpage. It should resume normal operation.