

HOW TO RUN THE PROJECT

1. Start Visual Studio Code

Open VS Code on your system and let it load completely.

2. Open the Project Folder

Go to File → Open Folder, and select the folder where your project Python files are saved (e.g., app.py, main.py).

3. Set Up or Select Python Environment

Click on the bottom-left where it shows the Python version.

Choose your installed Python interpreter (Python 3.8+ is recommended).

You may also create a virtual environment for better dependency management.

4. Install Required Libraries

Open the terminal in VS Code (go to Terminal → New Terminal) and run:

```
pip install gradio torch torchvision pillow together
```

5. Run the Application

Now run the Python file with:

```
python app.py
```

Wait for the terminal to say:

Running on local URL: <http://127.0.0.1:7860>

6. Open the Web Interface

Copy the local URL (like <http://127.0.0.1:7860>) and paste it into your web browser.

You will now see the Gradio web interface with an option to upload waste images.

7. Upload Image and Get Reuse Ideas

Click “Upload Waste Item Image”, select any image (like a plastic bottle or can), and hit Submit.

8. View and Use the Output

Read the reuse instructions carefully. These are AI-generated ideas for how you can repurpose the item in a creative, eco-friendly way.

9. Stop the Server

When you're done using the app, go back to the terminal in VS Code and press: Ctrl + C