Car Listing Task – User Manual

1. Project Structure

```
Car_Listing_Task/
├── backend/
│   ├── __init__.py
│   ├── graph.py
│   ├── state.py
│   └── nodes/
│       ├── __init__.py
│       ├── feature_extraction.py
│       ├── image_extraction.py
│       ├── prompt_filter.py
│       └── email_sender.py
├── frontend/
│   ├── __init__.py
│   └── app.py
├── .env
├── requirements.txt
```

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2. Setup Instructions

a. Clone the Repository

```
gh repo clone Solimaaan/Car_Listing_Task
cd Car_Listing_Task
```

b. Create and Activate a Virtual Environment

```
python3 -m venv venv
source venv/bin/activate   # macOS/Linux
venv\Scripts\activate      # Windows
```

c. Install Dependencies

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

d. Set Up Environment Variables

Create a `.env` file with your keys:

```
AZURE_OPENAI_API_KEY=your-azure-openai-key
AZURE_OPENAI_ENDPOINT=https://your-azure-endpoint.openai.azure.com/
GMAIL_USER=sender-email
GMAIL_TO=receiver-email
SendGridAPI=your-send-grid-api
```

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3. Running the Streamlit Web App

From the project root:

```
streamlit run frontend/app.py
```

- The app will open in your browser.

Usage Instructions

1. **Upload Car Image:** Click “Upload Image” and select a JPG/PNG image.
2. **Enter Car Description**
3. **Click on Submit**
4.
5. **Confirmation:** The extracted features will be displayed on screen when successful, otherwise an error message will appear if the prompt includes malicious activity.

Enjoy using the Car Listing Task app!