

# WasteWise User Guide

This guide provides step-by-step instructions to set up and run the WasteWise system.

## 1. Install Prerequisites

- Download Ollama for Windows from: <https://ollama.com/download/windows>
- Install Python 3.10+ from <https://www.python.org/downloads/>. Ensure Python and pip are added to your system PATH.
- Install dependencies inside your project directory by running: `pip install -r requirements.txt`
- Download and install Tesseract OCR from: <https://github.com/UB-Mannheim/tesseract/wiki>

## 2. Configure Ollama

- Open Command Prompt (cmd) and run: `ollama pull mistral`
- If the Ollama server does not start automatically, run: `ollama serve`

## 3. Start WasteWise Backend

- Navigate to the wastewise directory.
- Open a terminal and run: `uvicorn app:app --reload`

## 4. Launch Dashboards

- Open new terminals in the same directory and run the following:
- Main Dashboard: `streamlit run dashboard.py`
- Collector Application: `streamlit run collector_app.py`
- Operations Dashboard: `streamlit run ops_dashboard.py`

## 5. Generate QR Codes for Bins

- In the same directory, run: `python generate_qrs.py`

## 6. Open Sample Credit System Dashboard

- Run: `streamlit run credit_dashboard.py`