

# Prototype Implementation Guide (Local, No Paid Infra)

## Goal

A runnable demo: mock/Shopify-dev abandoned cart → AI-drafted message → Klaviyo test send → metrics visible

## 1. Prerequisites

- Docker Desktop, Node 18+, Python 3.10+, ngrok.
- Ollama with models: `ollama pull qwen2.5:7b` and `ollama pull llama3.1:8b`.
- Klaviyo free account (API key).
- Shopify dev store (optional for real webhooks).

## 2. Repository Layout

```
ai-org-design/  
  prototype/  
    mcp-server/    # FastAPI + tool  
  schemas  
  
    cart-recovery/ # n8n workflows +  
  mock data + scripts  
  
  diagrams/  
  
  ui-wireframe/  
  
  docs/
```

### 3. Start n8n (Docker)

Open <http://localhost:5678> and create a workflow

```
docker run -it --name n8n -p 5678:5678 \  
-e N8N_BASIC_AUTH_ACTIVE=true \  
-e N8N_BASIC_AUTH_USER=admin \  
-e N8N_BASIC_AUTH_PASSWORD=pass \  
n8nio/n8n
```

Still building up with n8n automation workflow and MCP for the AI model that can use