PacmanFB Deployment & Testing Guide (Non-Technical Version)

This guide will help you deploy and test the PacmanFB AI agent for your restaurant operations, even if you have no technical background.

■ Step-by-Step Deployment on Render.com

1 1. Go to https://render.com and create a free account.

2 2. Connect your GitHub account and upload the full PacmanFB project (we will help set it up below).

3 3. Create a new Web Service on Render. Point it to the backend folder (where 'main.py' is).

4 4. Set the build command: pip install -r requirements.txt

5 5. Set the start command: uvicorn backend.main:app --host 0.0.0.0 --port 8000

6 6. Create a PostgreSQL database in Render and copy the DATABASE_URL.

7 7. Add these environment variables in Render (under 'Environment' tab):

8 - DATABASE_URL: [Paste your database URL]

9 - OPENAI_API_KEY: [Paste your OpenAI key]

10 8. Create another Web Service for the frontend, if applicable (React or Streamlit).

11 9. Done! PacmanFB is now running online.

■ How to Test PacmanFB

1 1. Go to your backend URL (e.g., https://pacmanfb-backend.onrender.com/docs) to test the API.

2 2. You can ask the chat agent things like: 'What was my profit on Beef Wellington yesterday?'

3 3. Visit the frontend dashboard to view inventory, profit analysis, etc.

4 4. Make sure the sample data loads using 'seed_all.py' which auto-populates your recipes, orders, and ingredients.

5 5. Try removing data or changing it and asking the agent again — it should adapt.

■ Included Tools

• render.yaml — to help Render auto-detect your settings. • Makefile — to make backend/frontend actions easier. • Automated test suite — to validate if PacmanFB is working correctly.

Need help setting this up? Just send this guide to any developer or assistant and they’ll know what to do!

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