ENSE 281 PROJECT PITCH

Team Introduction

Group I

Zifran Chowdhury

Deran Cross

Emmanuel Dairo

Ikechukwu Henry Ogowuihe

The WHY (Context & Problem)

• Household food management can get disorganized.

• Food items are frequently forgotten and left to expire, creating food and financial waste.

• Lack of resources that bridge the gap between "what I bought," "where to put it," and "when it expires."

The WHY pt.2 (Reasons for Creating)

- We want to solve the inefficiency of household food management.

- To interpret household inventory information in a new, useful way.

- Help consumers reduce waste and save money.

The IMPACT (Current vs. New Reality)

- **Current:** An unorganized kitchen where food goes bad, money is wasted on duplicates, and meal planning is stressful.

- **New:** A simple system where waste is minimized, money is saved, and meal planning is automated based on what you have.

- **Action Step:** Build a tool that bridges the gap between purchasing food and consuming it efficiently.

The WHO (Target Audience)

- Home cooks and budget-conscious individuals

- Families managing large inventories

- Students

- **Essentially,** anyone who buys groceries and wants to minimize waste

- **Access:** Mobile app

The WHAT (Our Solution)

- An app to input grocery lists, assign storage (pantry, fridge, freezer, etc.), and input expiry dates.

- **Key Feature:** Auto-generate recipes based on foods stored and items about to expire/that have expired.

- Our Vision:

  o Zero-waste kitchen management

  o Proactive + Reactive cooking

PantryIQ

*subject to change

The WHAT pt. 2 (Constraints & Limitations)

Constraints

- Time: 2-month development frame

- MVC Pattern (Model-View-Controller) on a small-medium scope

Challenges:

- Data Entry: Relies on manual user input.

- Knowledge: Learning the tech stack (Node.js, MongoDB, etc.) while building.

- UX: Recipe/Review sharing.

- Avoiding scope creep (e.g. barcode scanning?)

That's all! Feel free to ask any... **QUESTIONS?**

Thank You !