



February 28th

# MealsMyWay

**Client:**

Dr Ana Paula Chaves

**Mentor:**

Paul Deasy

**Team Lead:**

Isaiah Swank

**Release Manager:**

Laura Guerrero

**Architect:**

Maximilian Poole

**Recorder:**

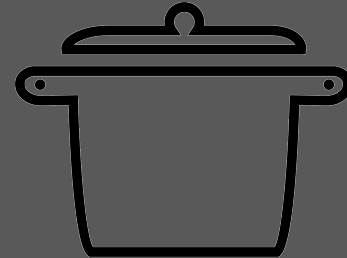
Colin MacDonald



# Introduction

**MealsMyWay** is a web and mobile application that aims to give the user a detailed list of instructions for meal prep. Users will be able to add and edit recipes for the week on the fly for themselves and others to use as needed.

- Customizable Meal Planning
- Smart Shopping Lists
- Social Sharing & Collaboration
- AI Recommendations





# Problem Statement

## What is the issue?

- Existing apps lack flexibility, risk overspending, are mobile-only, and features

## Who is the sponsor

- Dr Ana Paula Chaves, Assistant Teaching Professor at NAU

## Why us?

- Save time, reduce waste, and eat healthier





# Solution Overview

Cross-platform meal-prepping application designed to simplify, customize, and socially enhance meal planning for busy individuals and families.

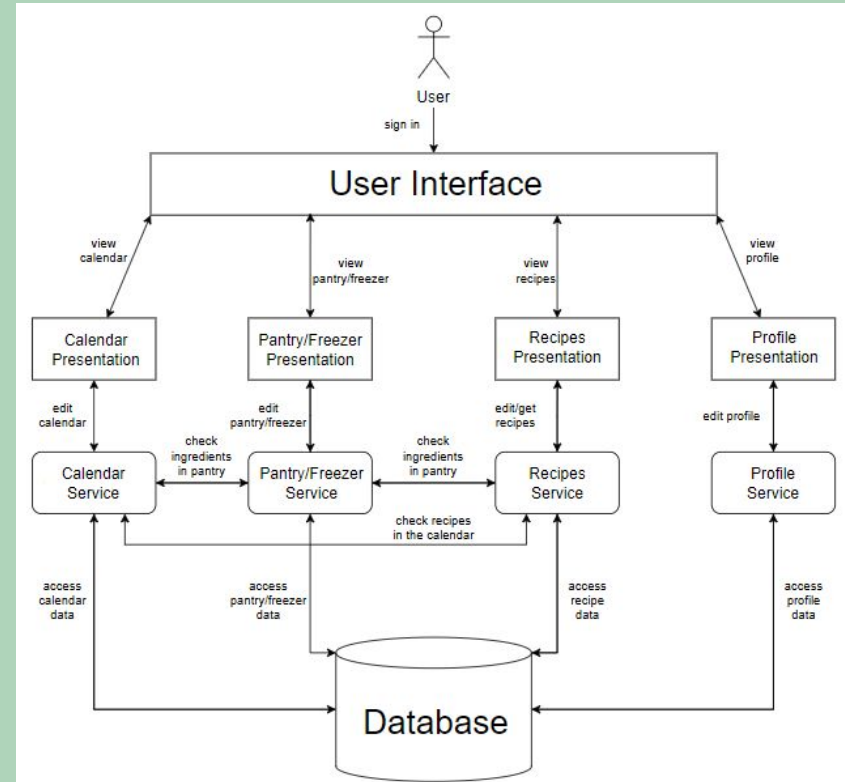
## Key Features:

- Comprehensive Calendar Management
- Recipe Selection/Generation
- Pantry and Freezer Management
- Grocery List Generation
- Prep List Generation
- Sharing Meal Plans/Schedules with Others



# Implementation Design

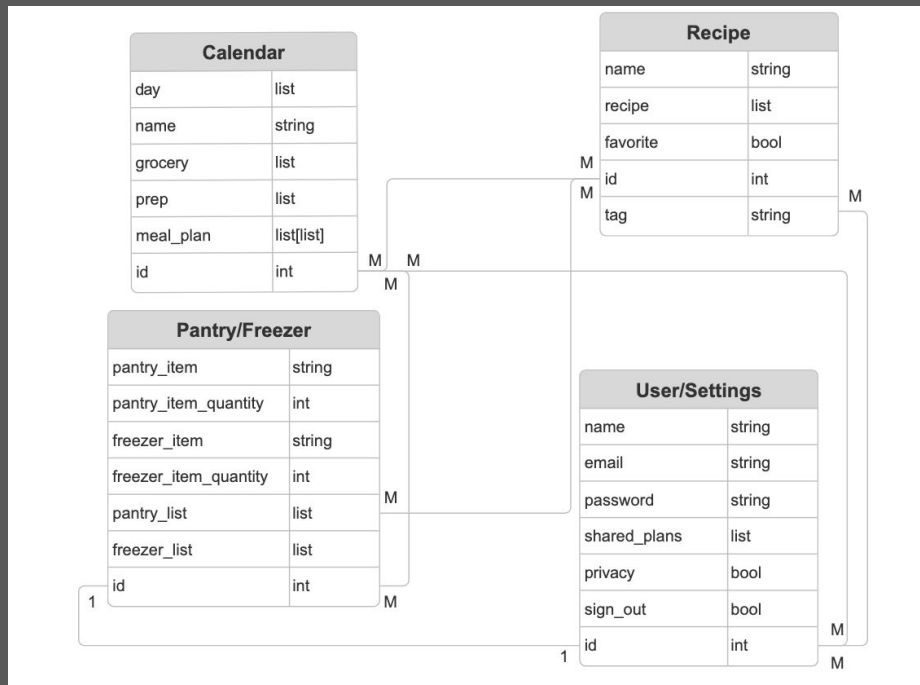
- **Calendar**
  - Weekly sections, holds recipes
- **Pantry/Freezer**
  - Present Inventory/Ingredients
- **Recipes**
  - Name, Author, Steps, Ingredients, Tags
- **Profile**
  - Security, Privacy





# Implementation Details

- **Backend**
  - Express
- **Frontend**
  - Ionic
- **Calendar**
  - Reads Recipes
  - Reads User ID
  - Reads Pantry/Freezer
- **Pantry/Freezer**
  - Reads User ID
- **Recipes**
  - Reads User ID
  - Reads Privacy Setting





# Challenges and Resolutions

## Accessing AWS

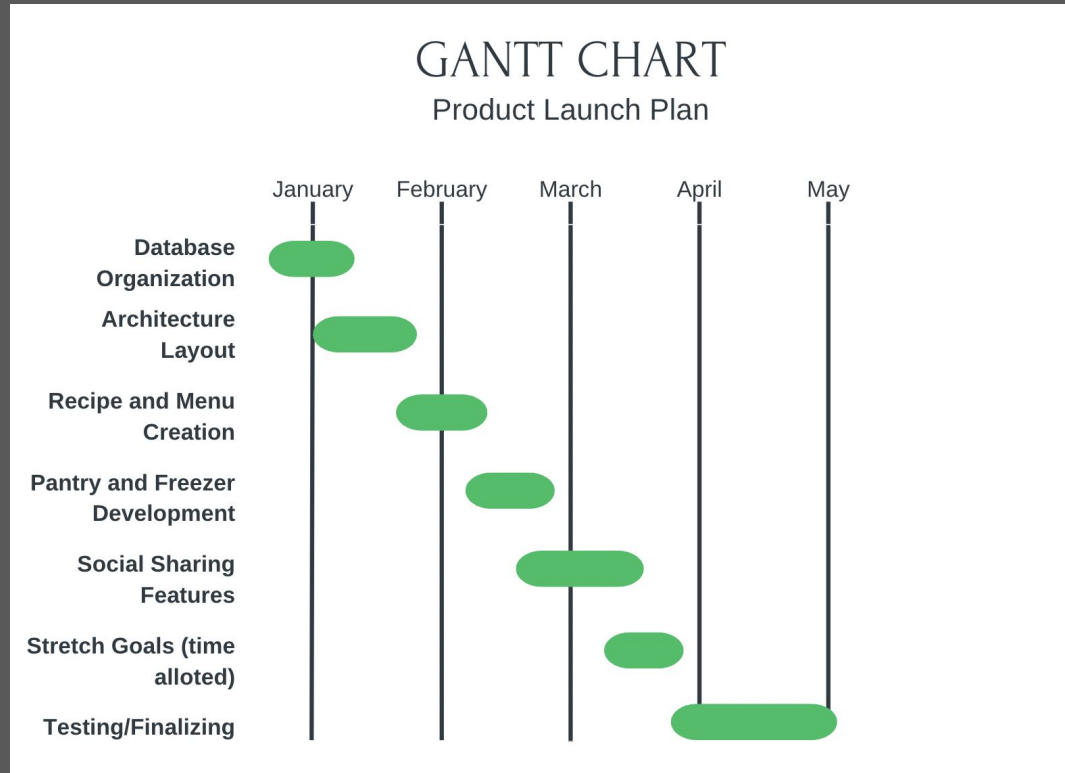
- **Challenge:** Ensuring client access to instances and the database
- **Resolution:** Set up an AWS account for the client and created IAM user roles

## Connecting Database and Hosting EC2

- **Challenge:** Hosting Ionic code on a remote server to be accessible at all times
- **Resolution:** Outside group meetings and Ionic research



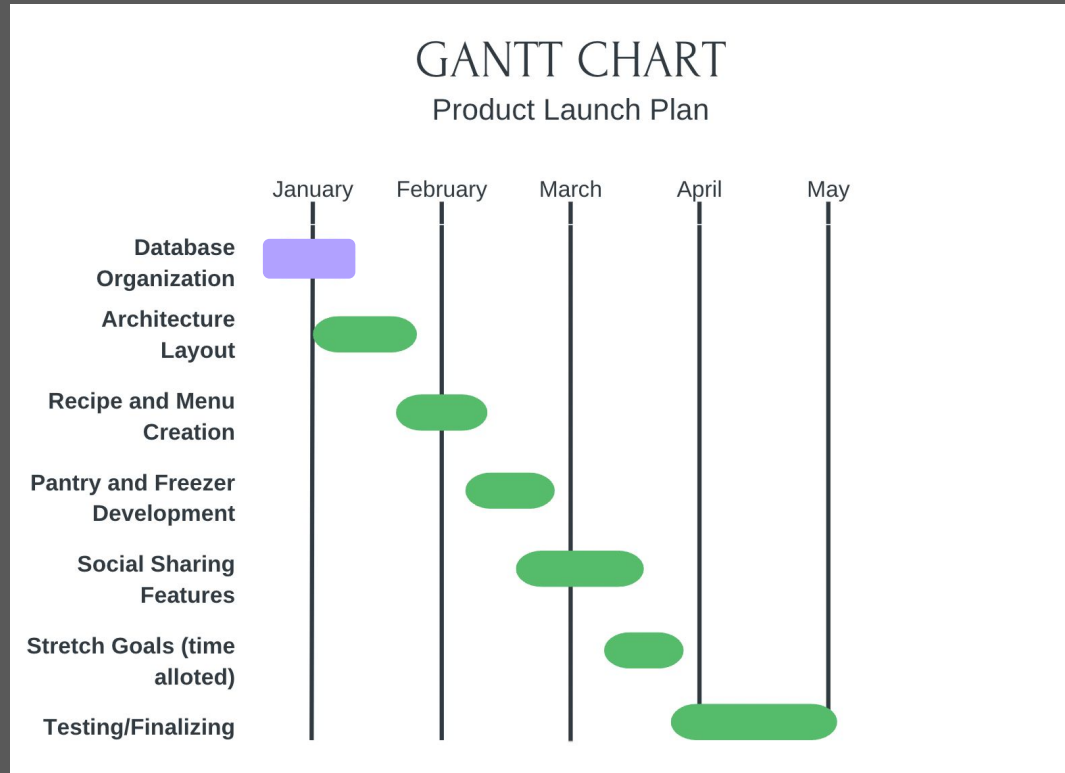
# Schedule





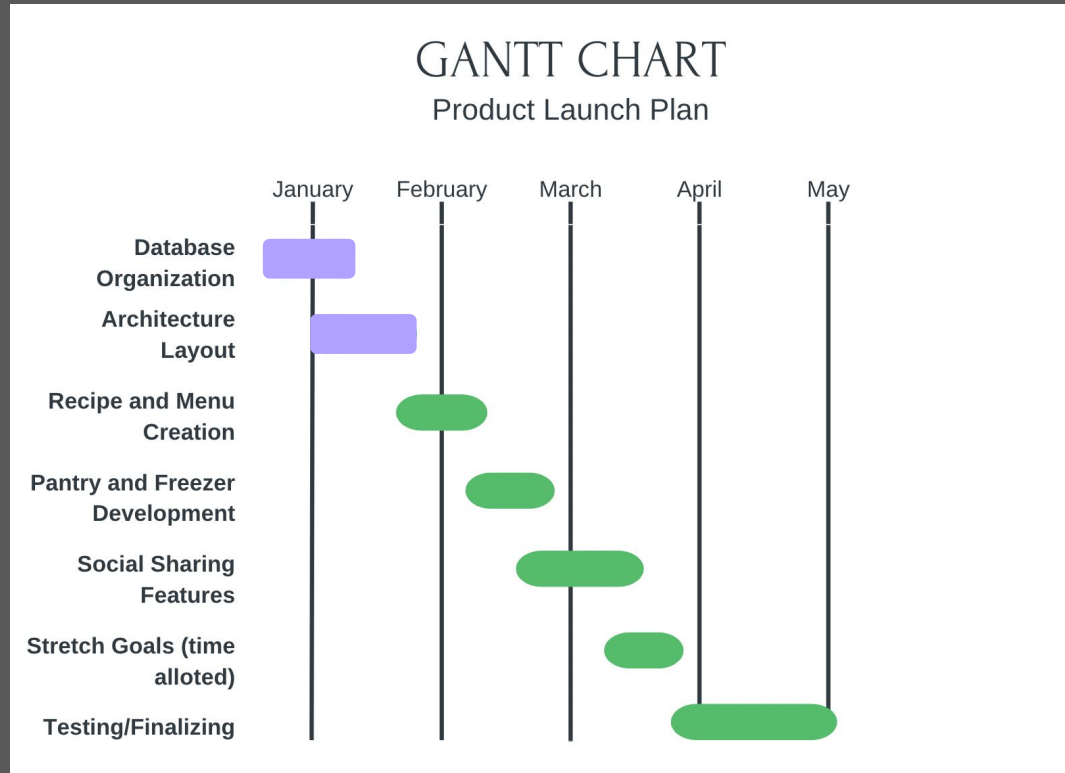


# Schedule



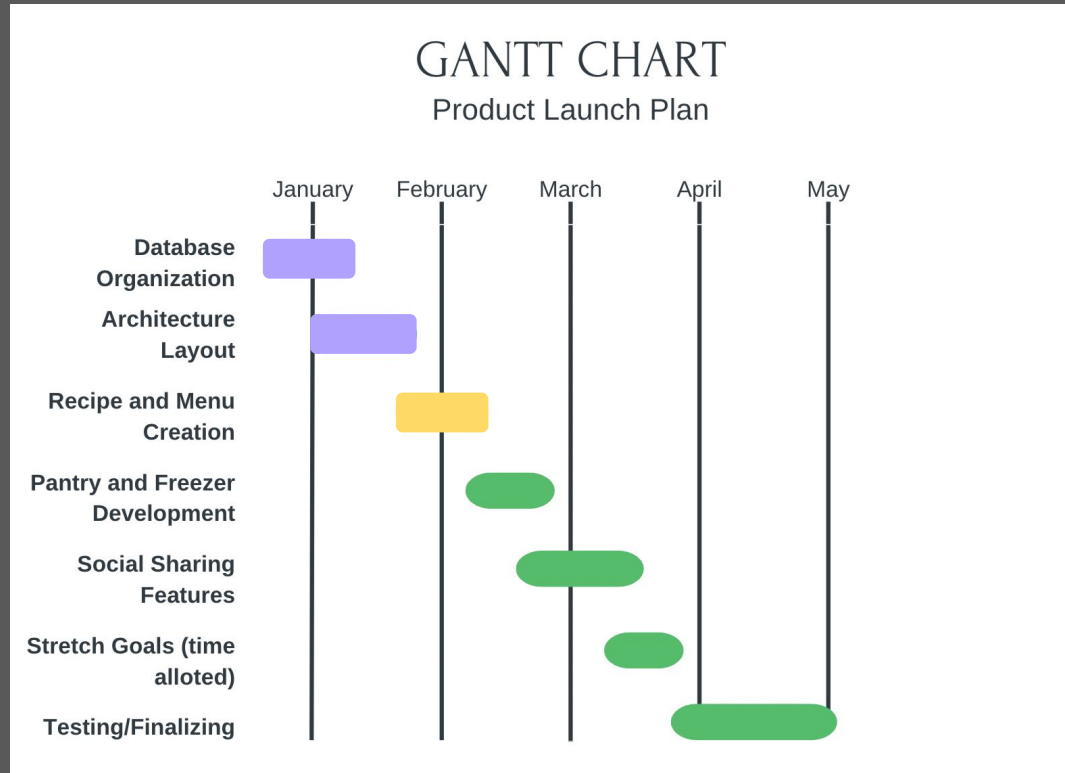


# Schedule



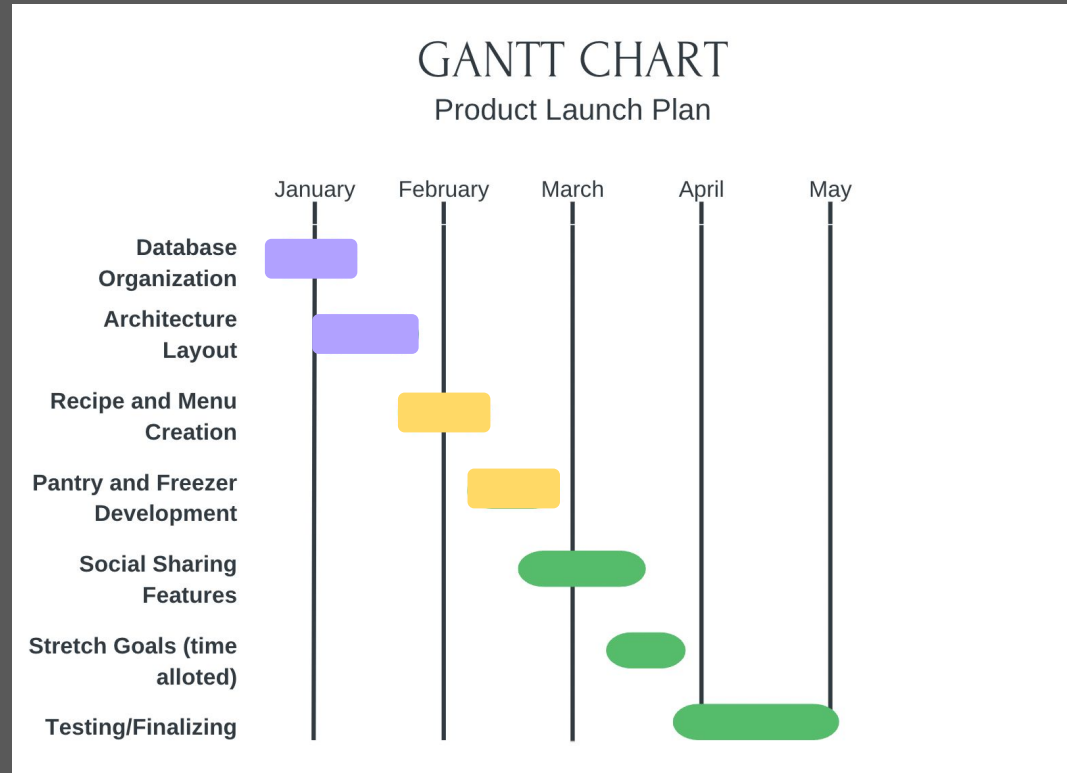


# Schedule





# Schedule





# Conclusion

- Existing tools lack flexible features
- Streamlines meal planning with features designed to make life easier
- Our team has a well structured plan and feel prepared for the coming steps in development
- Next steps are designing the mobile app view and polishing existing features.

**Thank You!**  
**Any Questions?**