

FindMyMeal

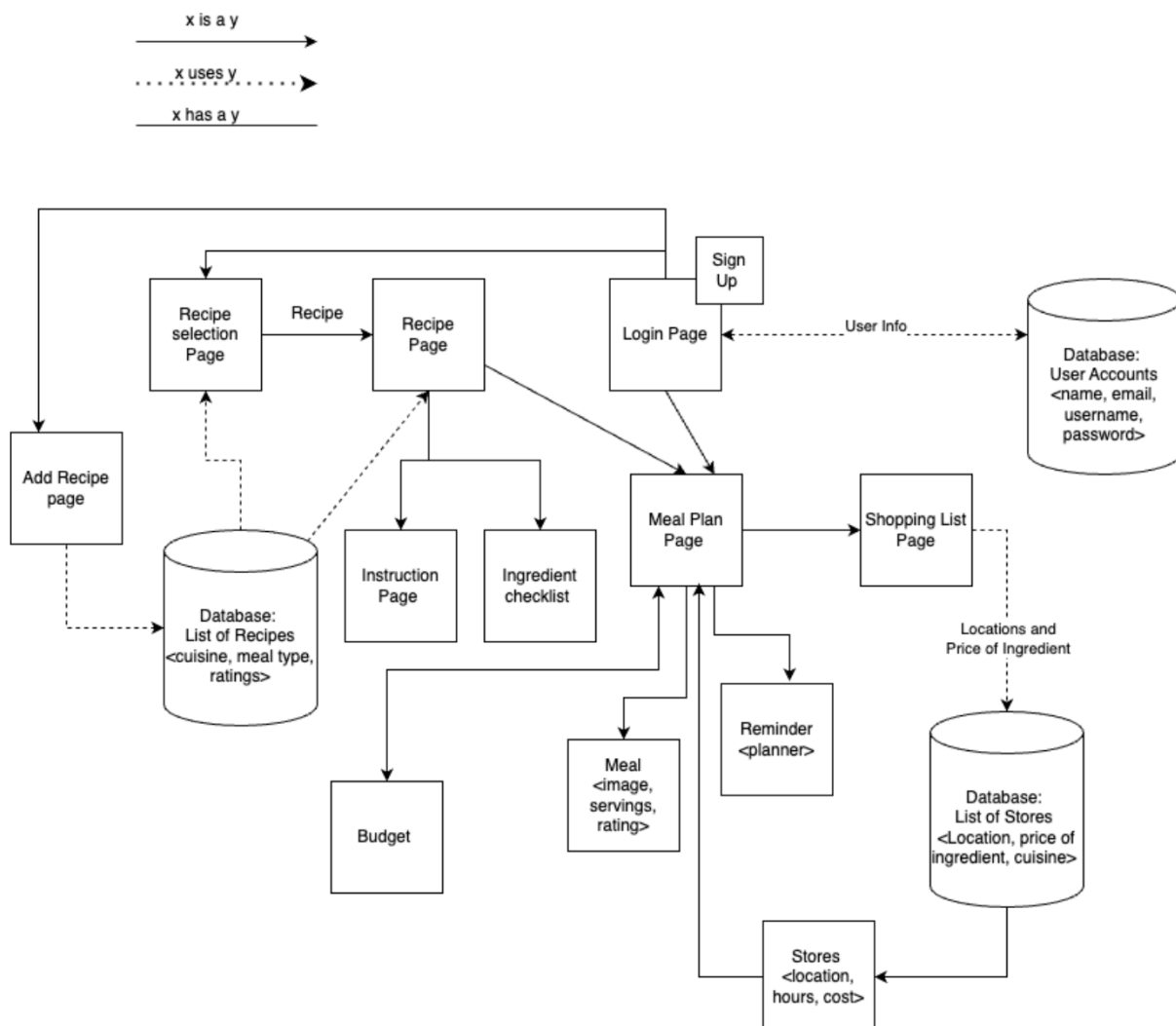
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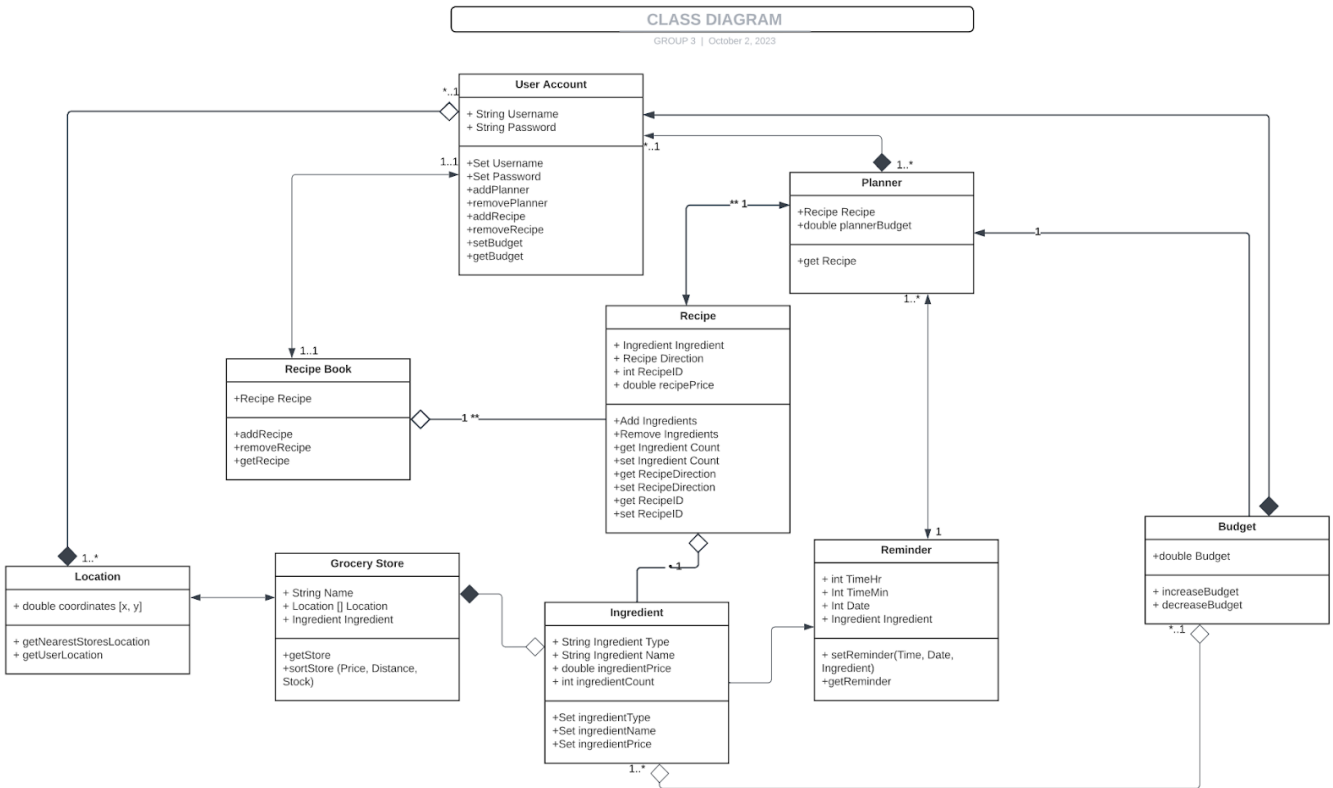
SYSTEM DESCRIPTION

FindMyMeal provides a way for users to organize their recipes, track their ingredients, track their budget, set Weekly Planners, and remind them on when to buy more ingredients.

Architecture Diagram



UML Class Diagram



Description of Classes

UserAccount - is the Class of the user Account

Planner - Represents the weekly meal planner that holds recipes

Recipe - Class that represents The Recipe Objects. Made up of Ingredients, ingredient count, and Instruction.

Budget - Is the representation of the budget dollar value. Affected by Ingredient Price. 1 to 1 relationship with Planners

Ingredient - Represents the object of an ingredient used for cooking. Made up of name, price, count.

Recipe Book - Class that holds every Recipe ever entered by the user

Reminder - Object that holds date and time and what to remind. Created whenever Ingredients are low

Store - represents establishments that contain ingredients

Location - This class holds location data. Used in Store and UserAccount

Description of Attributes

UserName - String Variable holds username of account

Password - String Variable holds password of account

Recipe - the Planner Class holds objects of the Recipe Class. Each recipe is given a Recipe ID

IngredientType - String Value for Type of Ingredient
IngredientCount - Int value of Ingredient quantity
IngredientPrice - Double value of dollar amount for price of ingredient
Coordinates - Holds x and y values for coordinates
Store Name - String Value for Store name
Time Hr/Time Min - Int value that holds data for representing hours and minutes in time
Date - Int Value that represents calendar date
Budget - Double Value that holds dollar amount for user and planner
Recipe Direction - Holds String Value of descriptions for recipe instructions.

Description of Operations

Getters and Setters - Username, Password, Location, Date, Time, Budget, Ingredient Type, Ingredient Count, Recipe, Planner, Reminder
Budget - Increase or decrease whenever recipes are added to planners. Ingredient prices are the values that the Budget changes by
Planner - Add and remove Recipes from Planner.
Recipe Book - Add and Remove Recipes from Recipe Book

Development Plan

Slad & Jaycue - Class Diagram

Jennie & Emily - Architecture Diagram

Wolf - Class and System Descriptions