Group Members: Aamir Baloch, Joshua Krug, Ryan Fontaine, Kathryn Trescott
Title: What's for Dinner
Description of Project:
A web application that provides recommendations for recipes based on a list of given ingredients, specific to users. Users can add ingredients / recipes corresponding to their account. There will be a home page function where users can submit recipes to be added to the global list in the form of a discussion board.

Database for different recipes
- Ingredients and Appliances
- Keep a saved list of ingredients (ex: salt, black pepper)
- Allow user to give preferences (ex: choice of protein or carbs)
- Substitute certain ingredients (ex: recipe calls for low fat milk, user has almond milk)
- Track user's allergies and dislikes to filter results

Recommendations based on what you have
- And what you could make if you bought another item

Possibly hosted on a website
- Use Firebase for hosting the database

Grocery list of ingredients to buy?
MySQL with Flask

Division of Labor:

Make Front End / Routing	Ryan, Aamir
Make / Connect Back End	Ryan, Joshua
Set up Database	Joshua
Add generic recommendation system	Aamir, Ryan
Add functions to add/sub user recipes	Kathryn, Ryan
Account creation with saved pantry	Joshua, Aamir
Types of Users / Authentication	Aamir, Kathryn
User grocery store list	Kathryn
Recipe Discussion board	Joshua, Kathryn

To-Do List:
Create Tables for Recipes, Users, Ingredients using (?)
Create Roles for Guest, User, Administrator
Designing the Database

Ingredients:
- ID Number / Name
- Category (Nut/Dairy/Grain)

Recipes:
- ID Number / Name
- Category (Vegan/Vegetarian/Keto)
- Ingredients

Create Python Flask Application
- Browser Routing
- Functionality for handling HTTP Requests

Roles:
- Guest
    - View recipes
- Authenticated User
    - Save recipes
    - Save preferences and allergies
    - Create pantry
    - Collaborate with friends
- Admin
    - Delete users
    - Change recipes
    - Change ingredients

Design CSS and Formatting for UI

Distributed Component Idea:
- Add friends / groups
- Party planning, pooled ingredients (each component runs on users computer)
- Suggestions for recipes based on friends ingredients