

RECIPE BOOK

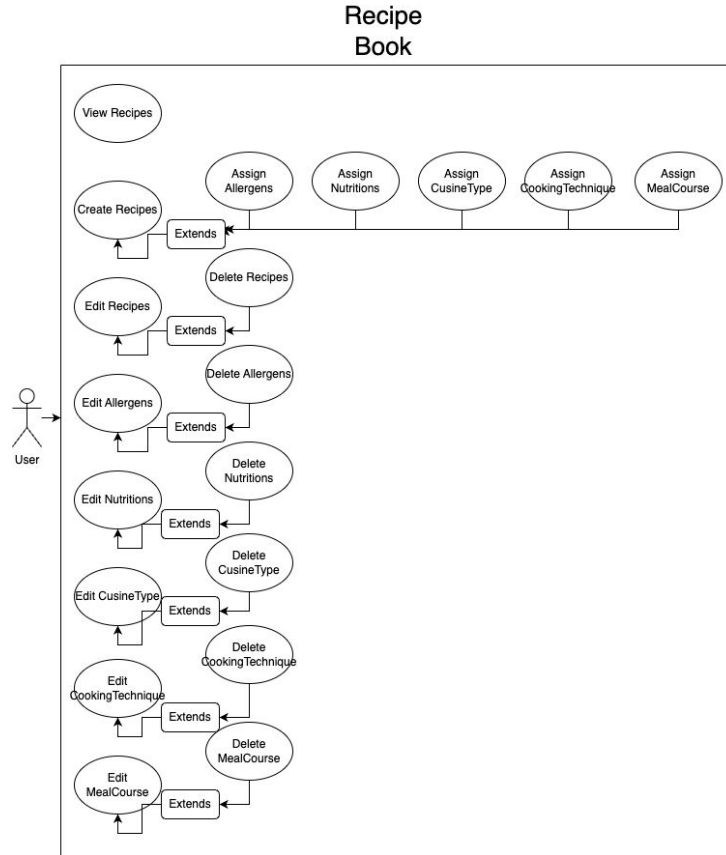
CSE 111 Project Phase 1

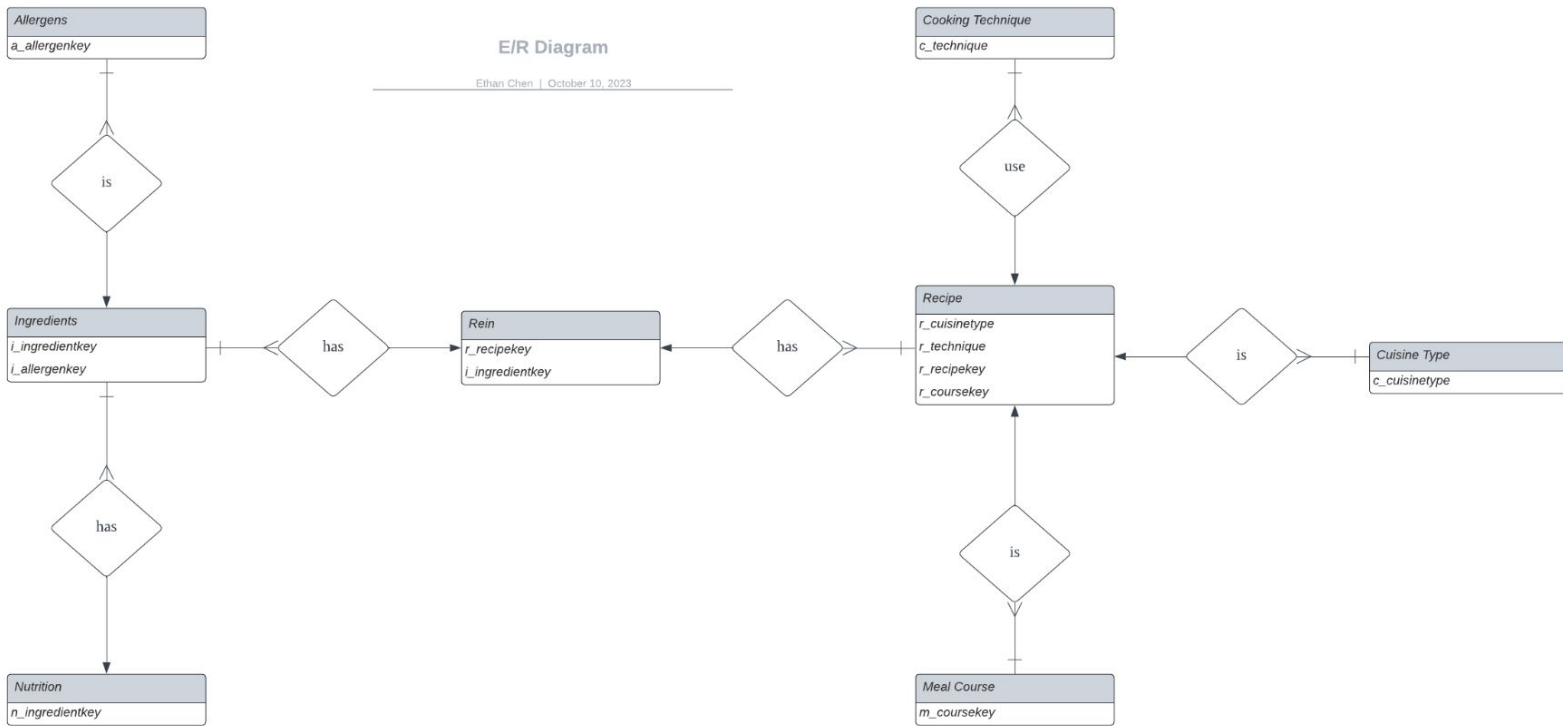
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PROJECT DESCRIPTION

- The database serves as a Cooking recipe book
- user can create, edit and delete recipes
- information including ingredients, cuisine type, cooking technique, meal course, allergen and nutrition
- intermediate table: recipe,ingredient,rein

USE CASE DIAGRAM





E/R DIAGRAM

RELATIONAL SCHEMA

Recipe

- r_recipekey, r_name, r_techniquekey, r_cuisinekey, r_mealcoursekey, r_instruction

Technique

- t_techniquekey, t_name

Cuisine

- c_cuisinekey, c_name

Ingredient

- i_ingredientkey, i_name, i_allergenkey, i_nutritionkey

Allergen

- a_allergenkey, a_name

Nutrition

- n_nutritionkey, n_name

Mealcourse

- m_mealcoursekey, m_name

rein

- ri_recipekey, ri_ingredientkey

RELATIONSHIPS

Many to many:

Cooking Technique \leftrightarrow Cuisine Type: There can be a cooking technique used in many cuisine type, and a cuisine type can have many cooking techniques.

Ingredients \leftrightarrow Recipe : There can be one ingredient in many recipe, and one recipe with many ingredients.

One to Many:

Recipe \rightarrow Cuisine Type : There can be many recipes for a cuisine type, but only one cuisine type for a recipe