

RECIPE BOOK

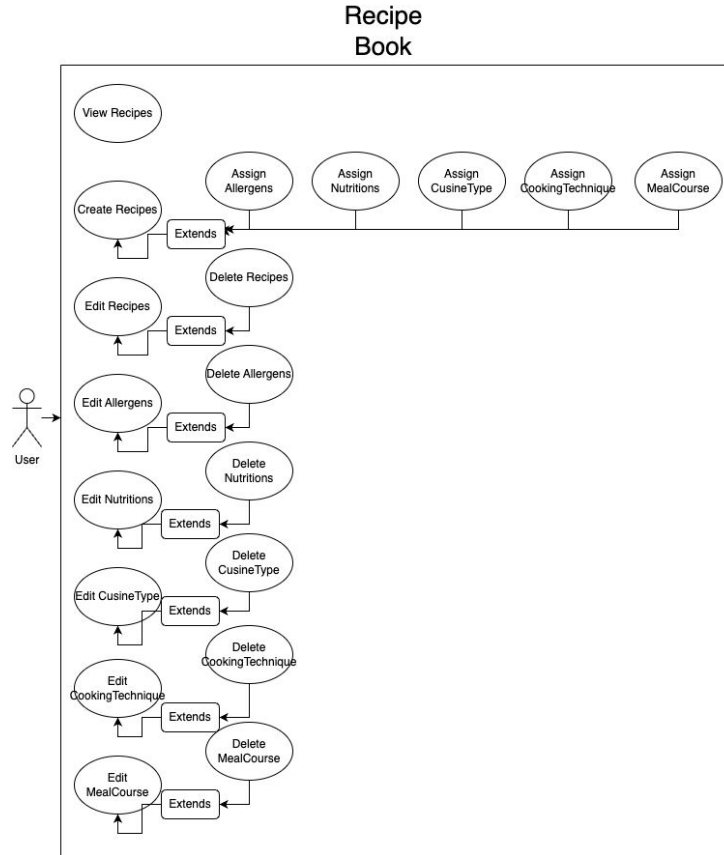
CSE 111 Project Phase 1

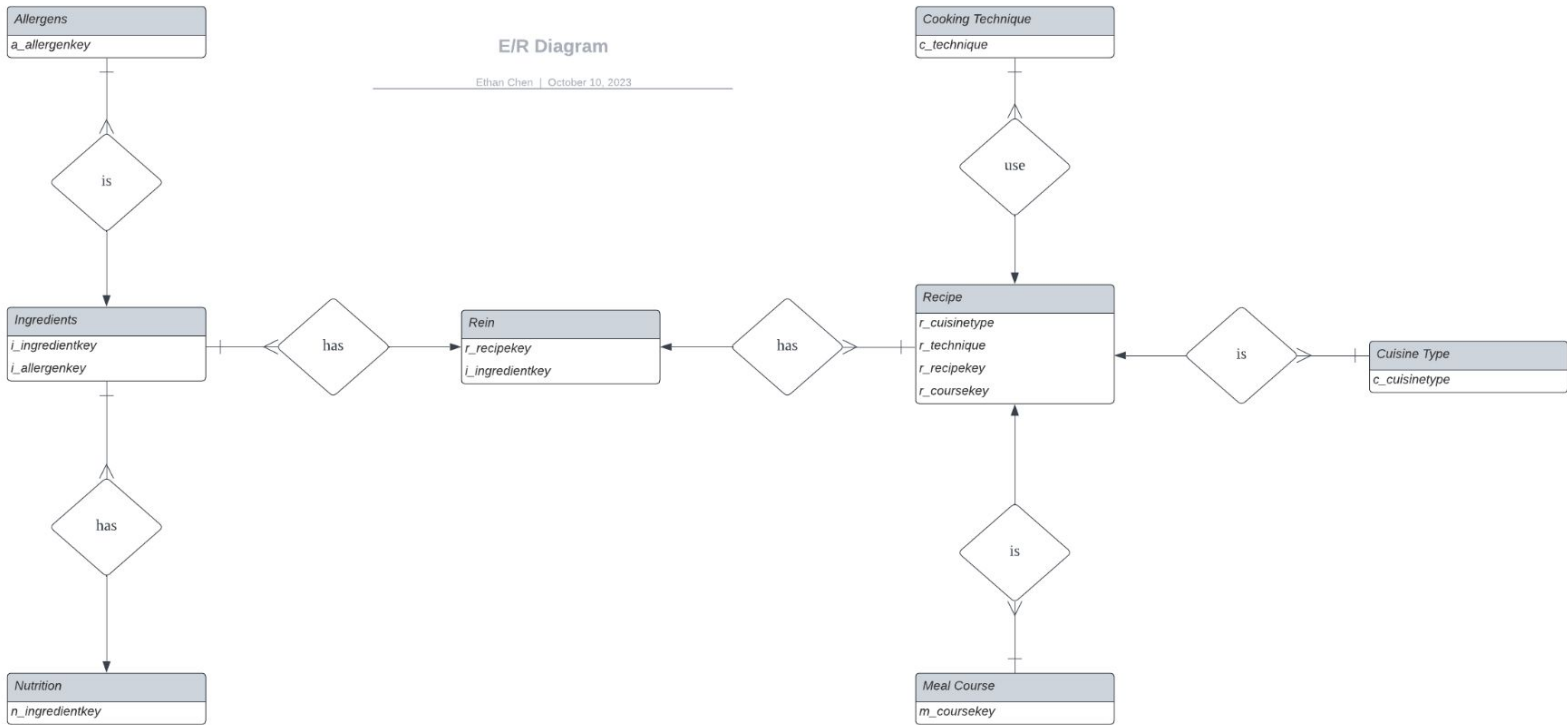
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PROJECT DESCRIPTION

- 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: rein, recipe

USE CASE DIAGRAM





E/R DIAGRAM

RELATIONAL SCHEMA

Recipe

- r_recipekey, r_name
r_techniquekey,
r_cusinetypekey, r_coursekey

Cooking Technique

- c_techniquekey, c_name

Ingredients

- i_ingredientkey, i_name,
i_allergenkey

Allergen

- a_allergenkey, a_name

Nutrition

- n_nutritionkey, n_ingridentkey

Meal Course

- m_coursekey, m_name

rein

- r_reinkey, r_recipekey,
r_ingridentkey

RELATIONSHIPS

Many to many:

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

Ingredients <-> Recipe : There can be one ingredient in many recipe, and one recipe with many ingredients.

One to Many:

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