Fiona Häger

MTM_03-1 Software Development Basics

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Assignment 1: Summary of app idea

Description:

I will create an app called first-project. It will be a blog with information on different macronutrients (short "macros"), recipes and their ingredients. The title is "Healthy recipes". Every recipe has tags to categorize it (e.g. high-protein or vegan).

Naming of the relations:

Macro-Recipe is an M-N relationship

- One macro belongs to many recipes
- One recipe has many macros (xy % of each macro in every recipe)

Recipe-Tag is an M-N relationship

- One recipe has many tags
- One tag belongs to many recipes

Recipe-Ingredient is a 1-N relationship

- One recipe has many ingredients
- One ingredient belongs to one recipe

Models and their properties:

Macros: (fats, carbs, protein, fibre)

Id………………………………………………………………int

Name………………………………………………………varchar

Calories per gramm………………………………………varchar

Recommended amount per day in %………………varchar

Recipe_id……………………………………………………..int

Recipes: (chicken salade, salmon, quinoa Bowl, etc.)

Id………………………………………………………………….int

Name…………………………………………………………varchar

Content…………………………………………………………text

Macro_id………………………………………………………int

Tag_id……………………………………………………………int

Ingredient_id………………………………………………int

Ingredients: (salade, pepper, tomatoes, chicken, etc.)

Id……………………………………………………………….int

Name…………………………………………………………varchar

Recipe_id……………………………………………………int

Tags: (healthy, low-carb, vegan, omega 3, etc.)

Id……………………………………………………………….int

Title………………………………………………………….varchar

Recipe_id……………………………………………………int