MyRecipes

MyRecipes looks to cater for people who like to cook, are on the lookout for interesting recipes, and want to share their recipes with others. Contributors maintain a profile, which includes a list of recipes that are published for all explorers on the platform to be able to access. MyRecipes then helps explorers find the recipes they're interested in by providing them with recipe search and recommendation capabilities, as well as allowing explorers to share their opinions on recipes through comments and likes. Each explorer is also presented with a personalised news feed, which lists recipes from contributors based on contributors that the explorer subscribes to, with ordering on this news feed based on how recently recipes have been created or updated, and how many likes the explorer has for each recipe contributor's profile. Explorers can view the full details of any recipe they find. See the project objectives for further details on what this platform must be able to do.

Project Objectives

Contributors must be able to create and maintain a profile for themselves, which includes their user name, contact details (email address), and a list of recipes that this contributor has published, and to which MyRecipes users can navigate to. The MyRecipes platform must allow contributors to maintain a set of their own recipes, (create/edit/delete recipes), that all platform explorers can look through, with each recipe requiring a name, ingredients, method, meal-type(s) and a photo. Recipe explorers on the platform must also be able to convey their opinion for any recipe by either liking and/or commenting on it (note: the total number of likes that an explorer has for a given contributor's profile refers to: the total number of recipes belonging to the given contributor that this explorer has liked). MyRecipes must also provide its explorers with the ability to find recipes they are interested in based on any combination of the following: ingredients, method, meal-type(s), recipe name; where a resulting list of entries should show a summary that includes the name, and photo thumbnail for each recipe that they can navigate to the details from. Explorers must be able to navigate to the full details of any given recipe they find, where these full details include: the recipe name, ingredients, method, meal type(s), a photo for the recipe, the number of likes for the recipe, and recipe comments. Explorers must also be able to subscribe/unsubscribe to any contributors on MyRecipes, and when an explorer is subscribed to a given contributor, that explorer should, (on their personal recipe news feed), be able to see new recipes that are added or have been recently updated by that contributor. A given explorer's personal recipe news feed must be sorted based on: the recipe creation/update date excluding time component (most recent to oldest), then by the total number of likes that this explorer has for the recipe's contributor profile (highest to lowest count), and then by the recipe creation/update time (most recent to oldest). MyRecipes must provide recommendations for recipes that are similar to a given reference recipe based on that reference recipe's ingredients, with recommendations to be ordered based on how close each result is to the reference recipe's ingredients (design a metric to represent closeness between 2 sets of ingredients, and sort results from closest match to reference recipe ingredients to furthest match; and exclude any recipes from results that have no ingredients in common to the reference recipe).

Some of the links you may find interesting relating to this project are shown below. Please note that project objectives always take priority.

https://www.kitchenstories.com/en/recipes
https://www.allrecipes.com/