

# Community Cooking webapp



Reference:

<https://spoonacular.com/food-api/docs#Search-Recipes-by-Ingredients>

API:

GET <https://api.spoonacular.com/recipes/findByIngredients>

SampleI:

<https://api.spoonacular.com/recipes/findByIngredients?ingredients=apples.+flour.+sugar&number=2>

1. What goal will your website be designed to achieve?

- Build a webapp that help friends plan cooking time together, based on ingredients they have in the fridge.
- For now, not worrying about portion sizes.

Other objectives:

- Make the app fun
- Easy to use
- Promote cooking together
- Discussions, knowledge sharing

2. What kind of users will visit your site? In other words, what is the demographic of your users?

- 30's to 40's
- College educated
- Looking for healthy lifestyle

3. What data do you plan on using? You may have not picked your actual API yet, which is fine, just outline what kind of data you would like it to contain.

- Spoonacular.com - nutrition database

4. In brief, outline your approach to creating your project (knowing that you may not know everything in advance and that these details might change later). Answer questions like the ones below, but feel free to add more information:

a. What does your database schema look like?

<b><u>table: Users</u></b> pk_user_id home_page_id username email_address full_name mobile_phone home_address pwd_expires pwd_hash accepted_datetime is_user_accepted invited_post_id	<b><u>table: Page</u></b> pk_page_id top_post_id page_owner_id page_description	<b><u>table: Posts</u></b> pk_post_id pk_creator_id post_title post_content post_datetime is_cooking_party party_location party_start_datetime party_stop_datetime	<b><u>table: Invites</u></b> pk_post pk_user_id is_organizer is_host count_guests invite_sent_datetime Invite_accepted
<b><u>table: Friends</u></b> pk_user_id pk_friend_id	<b><u>table: PagePosts</u></b> pk_page_id pk_post_id	<b><u>table: Comments</u></b> pk_post_id pk_user_id pk_comment_id comment_text comment_datetime	
<b><u>table: Instock</u></b> pk_user_id pk_ingredient	<b><u>Table: Templates</u></b> pk_post_id pk_template_name	<b><u>table: Ingredients</u></b> pk_post_id pk_user_id pk_ingredient is_in_stock to_be_used	<b><u>table: Recipes</u></b> pk_post_id pk_recipe_id to_be_used

b. What kinds of issues might you run into with your API?

- Might exceed daily use
- Might violate terms of use
- Authentication failure / lockout
- Connection issues
- ISP bandwidth issues

c. Is there any sensitive information you need to secure?

- Names, contact info, addresses, relationship info

d. What functionality will your app include?

- User Community Building
  - New users must be invited by an existing user to be able to join the system
  - Users can invite friends
  - All users are related through friendships
- Cooking Parties
  - Users can post a cooking party, and automatically generate list of invitees from friends list
  - Cooking recipes suggestions are auto-generated from ingredients in stock in users fridge / pantry
- The ability to create templates from past parties that can then be applied to future parties
- Inventory management will not be available in this first version

e. What will the user flow look like?

- Current user invites new user
  - New user account placeholder generated
  - Home page generated
- New user receive an invitation
  - Accept invitation
- User updates instock ingredients
- User creates a party
  - Can designate co-organizers and the host (whose house will be location of party)
  - A suggestion of recipes to be cooked will be created from the app creating a list of all ingredients from active users

f. What features make your site more than CRUD? Do you have any stretch goals?

- The ability to organize cooking parties
- The ability to create recipes from collective list of ingredients and let users decide
- The ability to invite and authenticate users through existing relationships