Online Cookbook Project - Initial Thoughts

Database Schema

- Create a database using MongoDB.
- Database to comprise of four collections - recipes, users, recipe_category and allergens but this may evolve over the development process

Recipes

_id	
recipe_name	Title of Recipe
recipe_date_added	Date recipe was added to the site
recipe_ingredients	An array containing all ingredients
recipe_method	An array containing all the steps in the recipe
recipe_description	Short Description of the dish
recipe_image	URL for Image
recipe_prep_time	Time required to Prepare the dish
recipe_cook_time	Time required to cook the dish
recipe_total_time	Time required to complete the dish
recipe_serves	How many people the recipe serves
author_name	Name of Recipe Author
recipe_category_name	Which category the recipe belongs to
allergen_type	An array of allergens in the recipe
featured_recipe	If a recipe should be displayed in a homepage slider

Users

_id	
author_name	Full name of User
username	Username of user
password	Password of User

Recipe_Category

_id	
recipe_category_name	Which category the recipe belongs to e.g. Breakfast, Lunch, Main, Starter, Dessert, Snack

Allergens

_id	
allergen_type	Names of allergens

UX

Homepage
- Feature Recipe Slider
- Pagination to limit the number of recipes displayed
- Total number of recipes to be displayed on screen

Navigation
- Home Link
- Recipes Link with a dropdown displaying all recipe categories
- Login/Register Link - once logged in/registered
  - Add Recipes Link
  - Edit Recipes
  - Logout
- Search Functionality

Recipe Page
- Image of the Recipe
- Title of recipe with times and servings. Possible Add to pinterest button, social sharing...
- List of ingredients
- Method of the recipe broken down into steps

Add a Recipe

- Feature for logged in users only
- Placeholders are used for each input field and user informed if fields are required
- Dynamically add or remove input field for ingredients and method

Edit a Recipe

- Feature for logged in users only
- Same format as the add recipe field but the input and select fields will be pre-populated with existing recipe details.

Things to consider
- Signing up for a user account - session management, displaying username in navigation, adding alternate links for logged in users, checking if a username already exists
- Allowing logged in users to rank recipe.
- Issues with uploading images to the server, resizing images, setting a size limit, ability to change image when editing recipe.
- Adding a recipe tag field to the recipe collection and displaying the tags in a tag cloud - allowing users to filter by tag.