

SMART KITCHEN APPLIANCES

Domain: Home Appliances

Location: Hong Kong

Project description:

Offers varied Bluetooth enabled smart kitchen tools accompanied with an intuitive app for smartphones and tablets that lets you search, make and share delicious recipes with step by step instructions that makes cooking a fun and easy experience.

Requirements:

To build smart kitchen appliances that can provide real-time measurement data on mobile devices making the process of cooking an interactive experience rather than relying on plain text and intuition. Also provide a way to measure nutrient intake per serving.

Solution proposed:

The critical part of the solution was the development of the wireless key device which collects the real-time data from a smart kitchen appliance and transmits it to a "connected" mobile device via Bluetooth.

The web application provides a comprehensive interface to set, manage and customize parameters within the system.

1. Dashboard:
Allows a complete status of key modules within the system (number of authors, recipes, etc.)
2. Author management:
 - a. Manage the authors who contribute recipes to the system.
 - b. Activate/Deactivate the author account
 - c. Resend confirmation emails, passwords to the authors.
3. User management
 - a. Manage the users who are registered to the system.
 - b. View a graphical view of the user categorization across parameters like age, gender, app download/usage, country, etc.
 - c. Activate/Deactivate user account.
 - d. Change user password
4. Meals management
 - a. Manage types of meals (lunch, dinner, etc.)
 - b. Manage occasions (parties, summer, etc.)
 - c. Manage diets (vegan, dairy free, etc.).
5. Utensils management
 - a. Manage utensil categories (storage, cooking tools, etc.)
 - b. Manage utensils under these categories (frying pan, pots, pans, etc.).
6. Recipes management
 - a. Add/edit/Delete recipes under specific authors.
 - b. Set the ingredients, portions, difficulty level, prep and cooking times, steps, upload picture, suggest drink that goes along, set the meal type, diet type and occasion type.
 - c. Add raw or branded ingredients (already added into the system with their nutritional values) to the recipe.
 - d. Review recipes posted by authors and mark them as "Read", "Corrected" and "Translated".
 - e. Translate the recipe content into French.
7. Drinks management:
 - a. Manage the drinks that can be accompany the recipe (eg. red wine, mocktail, soft drink, etc.)

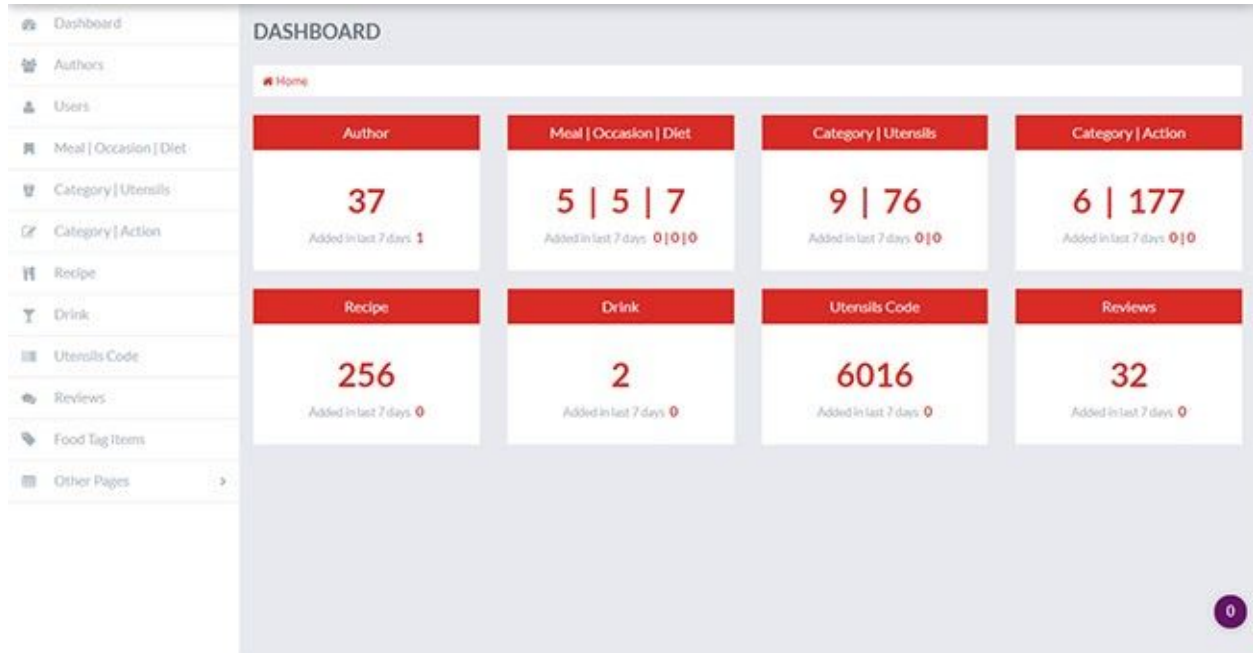
8. Reviews management:
 - a. Verify the reviews posted by users for specific recipes.
 - b. Edit/Delete the reviews.
9. Food tag items management:
 - a. Manage the number of days that food items remain fresh when kept in the pantry, fridge and freezer.

Technologies used:

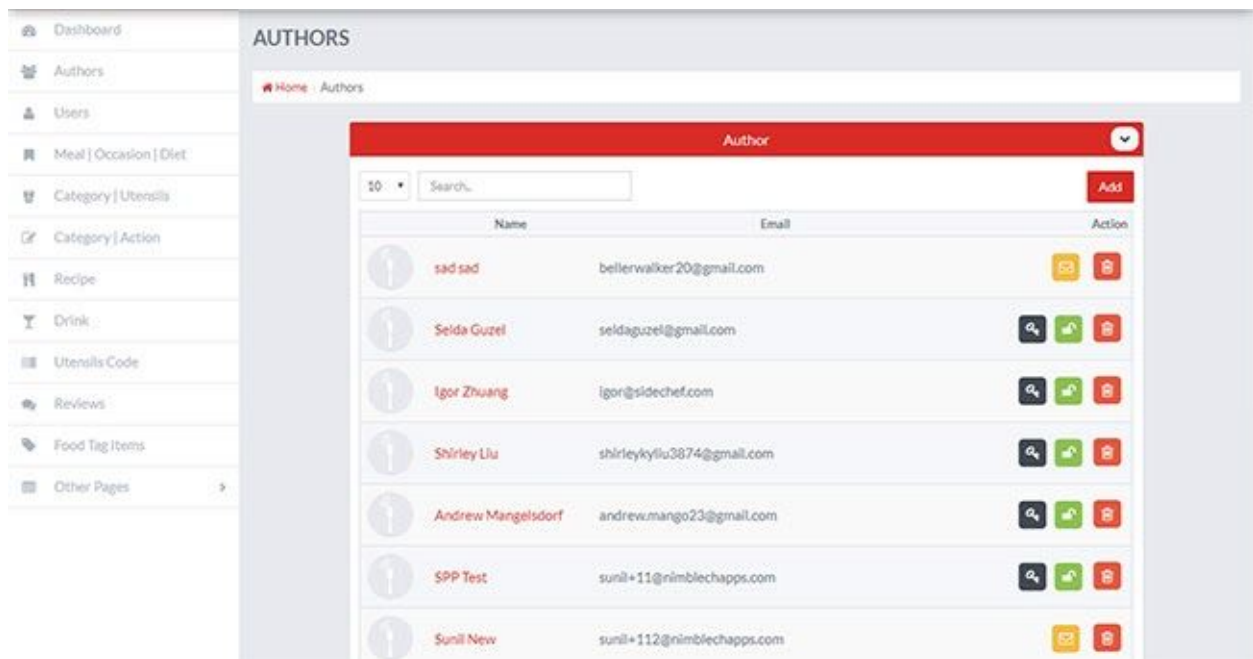
- Wordpress
- CodeIgniter

SCREENS:

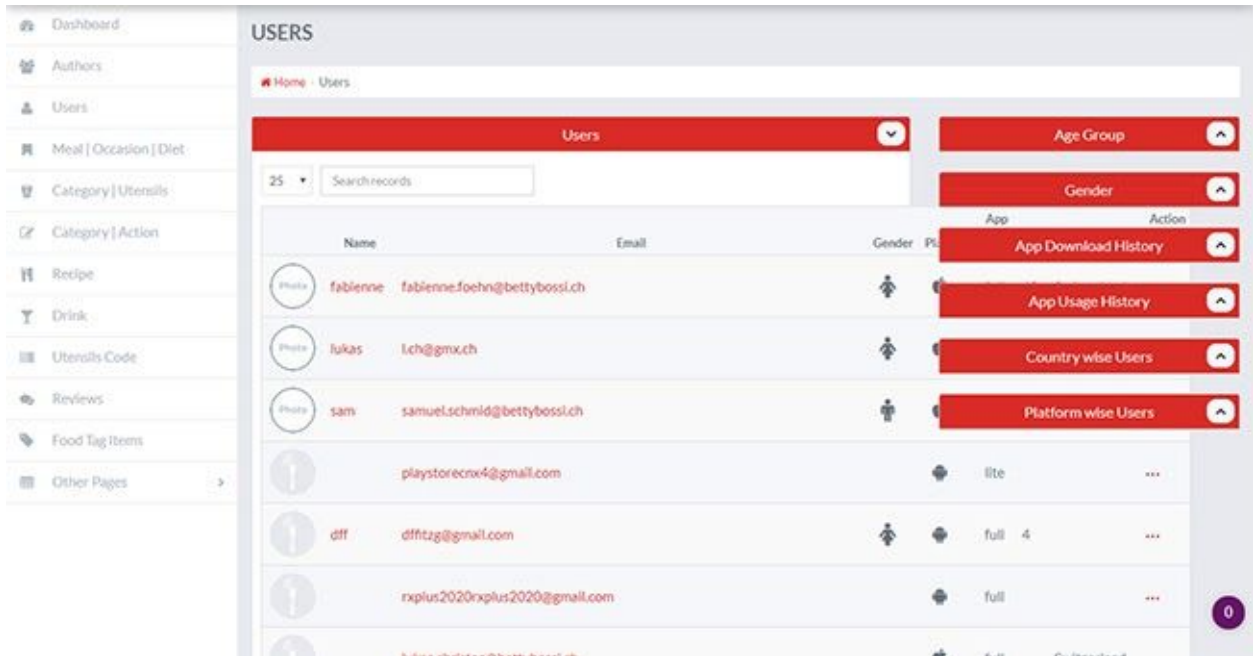
1. Dashboard



2. Authors



3. Users



USERS

Home - Users

Users

25 Search records

Name	Email	Gender	Platform	Action
fabienne	fabienne.foehn@bettybossi.ch	♀		
lukas	lch@gmx.ch	♂		
sam	samuel.schmid@bettybossi.ch	♂		
	playstorecnx4@gmail.com		lite	...
dff	dffftag@gmail.com	♂	full 4	...
	rxplus2020rxplus2020@gmail.com		full	...
	lukas.foehn@bettybossi.ch		full	...

Age Group

Gender

App Download History

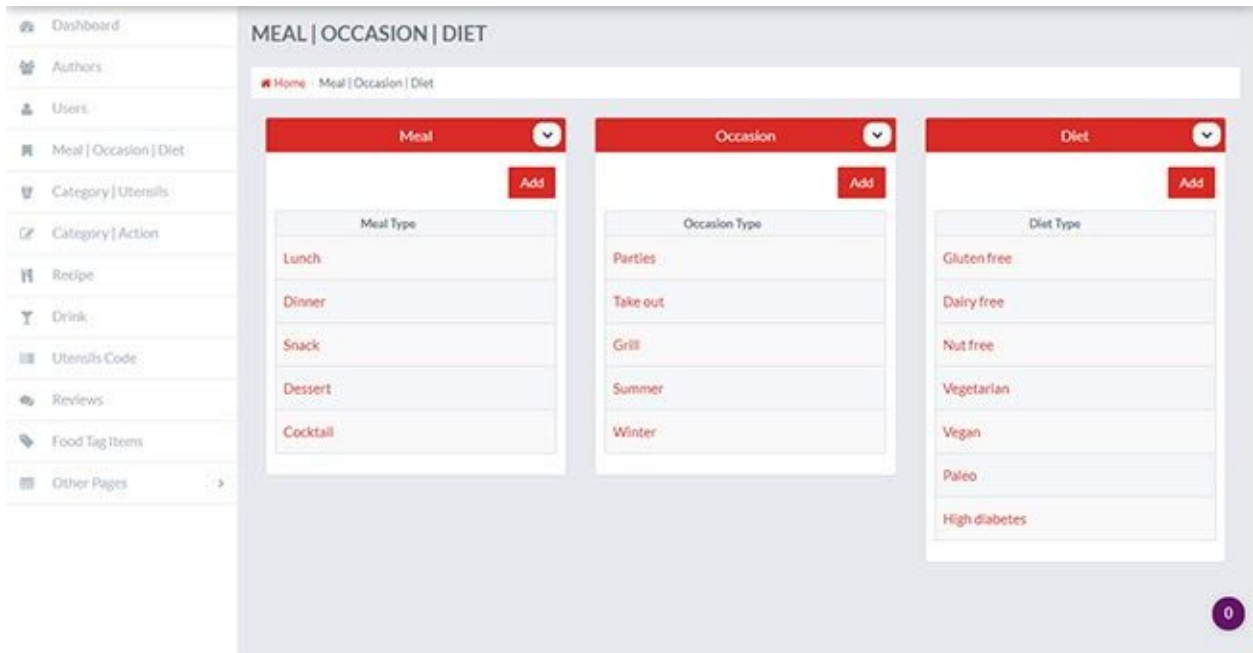
App Usage History

Country wise Users

Platform wise Users

0

4. Meals/Occasions/Diets



MEAL | OCCASION | DIET

Home - Meal | Occasion | Diet

Meal

Add

Meal Type

- Lunch
- Dinner
- Snack
- Dessert
- Cocktail

Occasion

Add

Occasion Type

- Parties
- Take out
- Grill
- Summer
- Winter

Diet

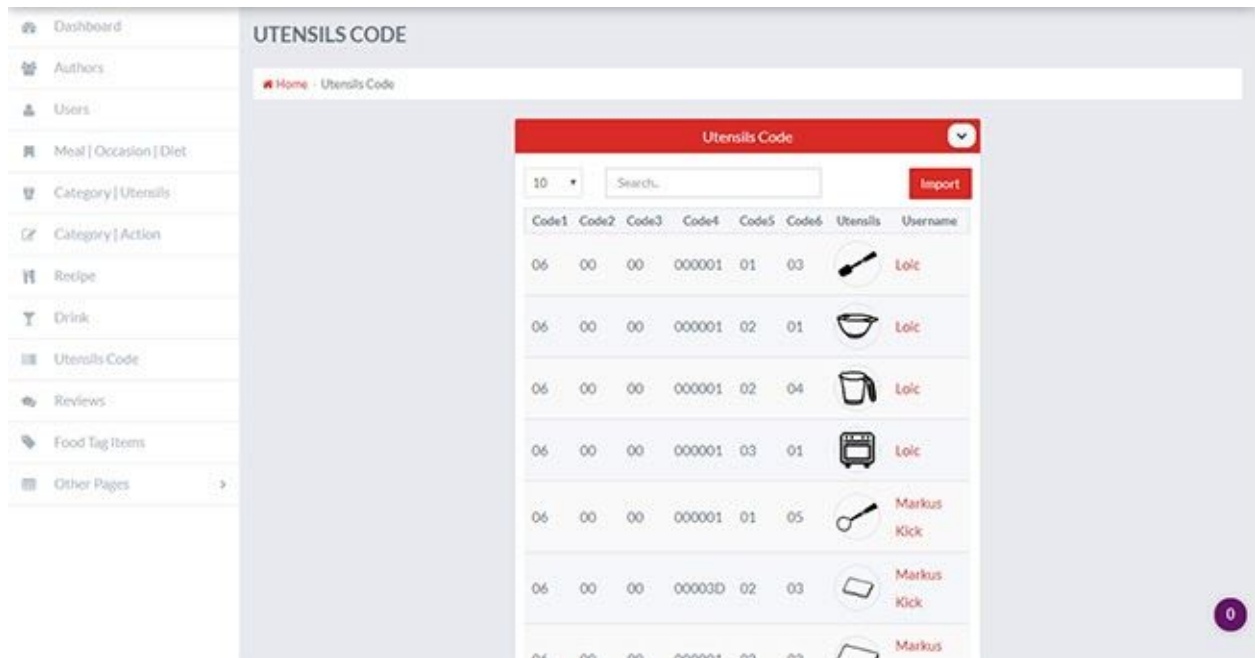
Add

Diet Type

- Gluten free
- Dairy free
- Nut free
- Vegetarian
- Vegan
- Paleo
- High diabetes

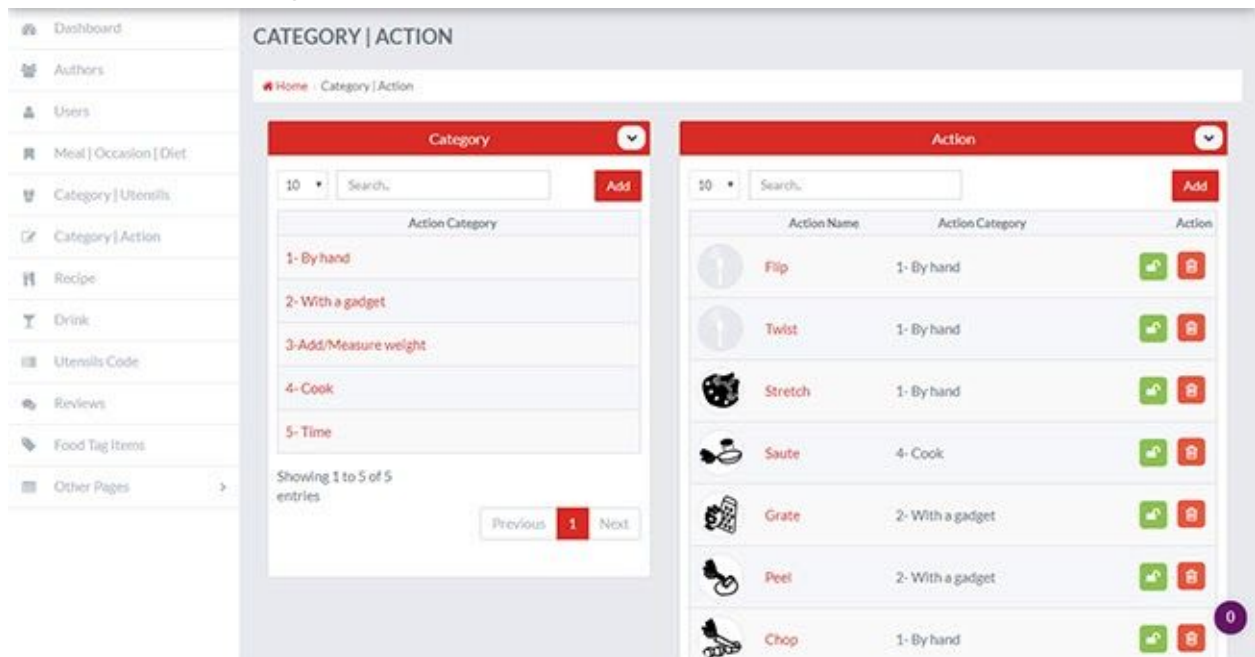
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5. Utensils' category



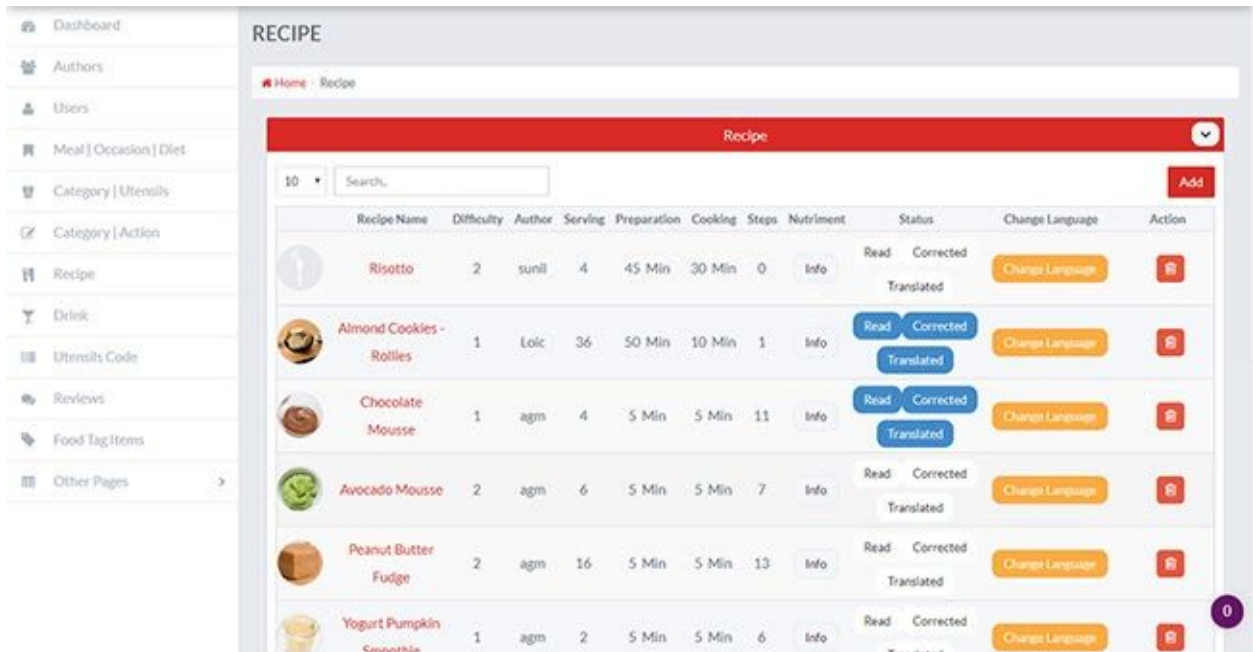
Code1	Code2	Code3	Code4	Code5	Code6	Utensils	Username
06	00	00	000001	01	03		Loic
06	00	00	000001	02	01		Loic
06	00	00	000001	02	04		Loic
06	00	00	000001	03	01		Loic
06	00	00	000001	01	05		Markus Kick
06	00	00	00000D	02	03		Markus Kick
06	00	00	000001	03	03		Markus

6. Actions' category



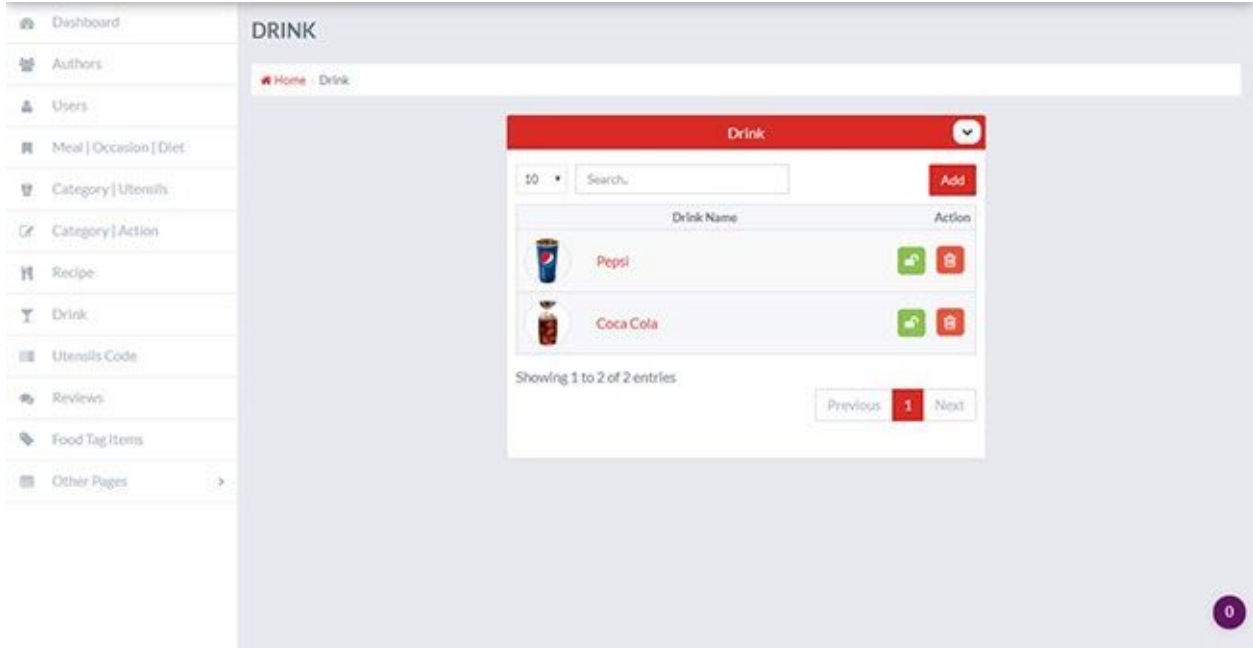
Action Name	Action Category	Action
Flip	1- By hand	
Twist	1- By hand	
Stretch	1- By hand	
Saute	4- Cook	
Grate	2- With a gadget	
Peel	2- With a gadget	
Chop	1- By hand	

7. Recipes



Recipe Name	Difficulty	Author	Serving	Preparation	Cooking	Steps	Nutrient	Status	Change Language	Action
Risotto	2	sunil	4	45 Min	30 Min	0	Info	Read Corrected Translated	Change Language	🗑️
Almond Cookies - Rollies	1	Lolc	36	50 Min	10 Min	1	Info	Read Corrected Translated	Change Language	🗑️
Chocolate Mousse	1	agm	4	5 Min	5 Min	11	Info	Read Corrected Translated	Change Language	🗑️
Avocado Mousse	2	agm	6	5 Min	5 Min	7	Info	Read Corrected Translated	Change Language	🗑️
Peanut Butter Fudge	2	agm	16	5 Min	5 Min	13	Info	Read Corrected Translated	Change Language	🗑️
Yogurt Pumpkin Smoothie	1	agm	2	5 Min	5 Min	6	Info	Read Corrected	Change Language	🗑️

8. Drinks

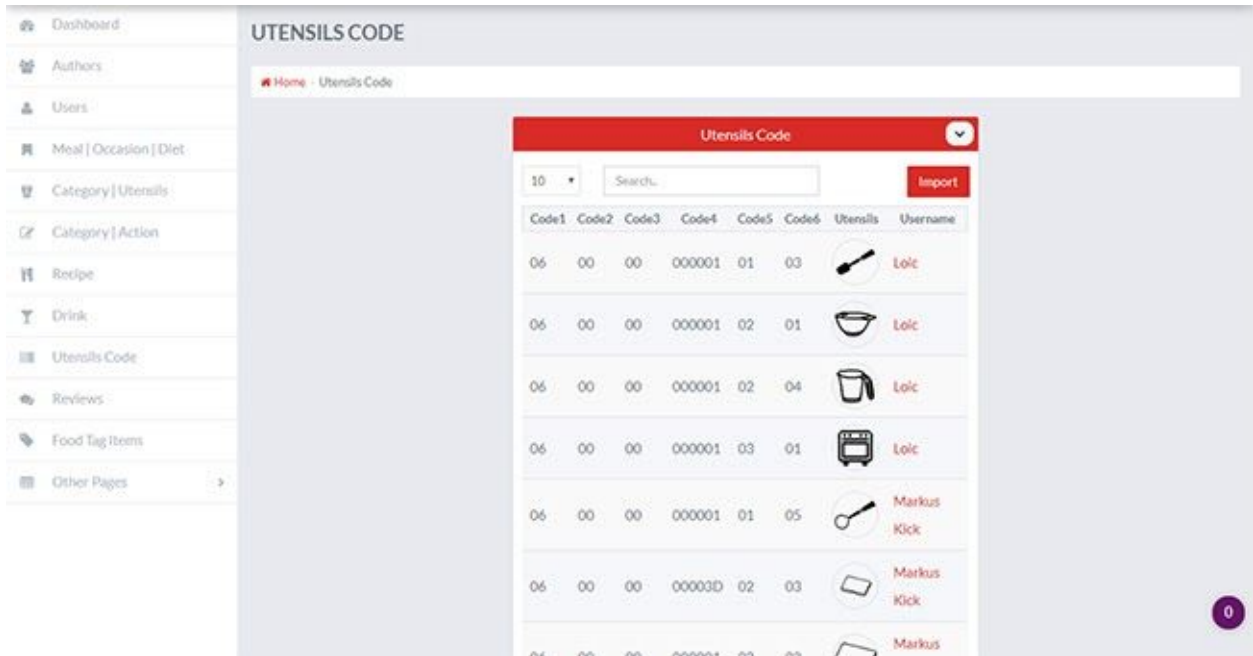


Drink Name	Action
Pepsi	👍 🗑️
Coca Cola	👍 🗑️

Showing 1 to 2 of 2 entries








Previous 1 Next

9. Utensils' code

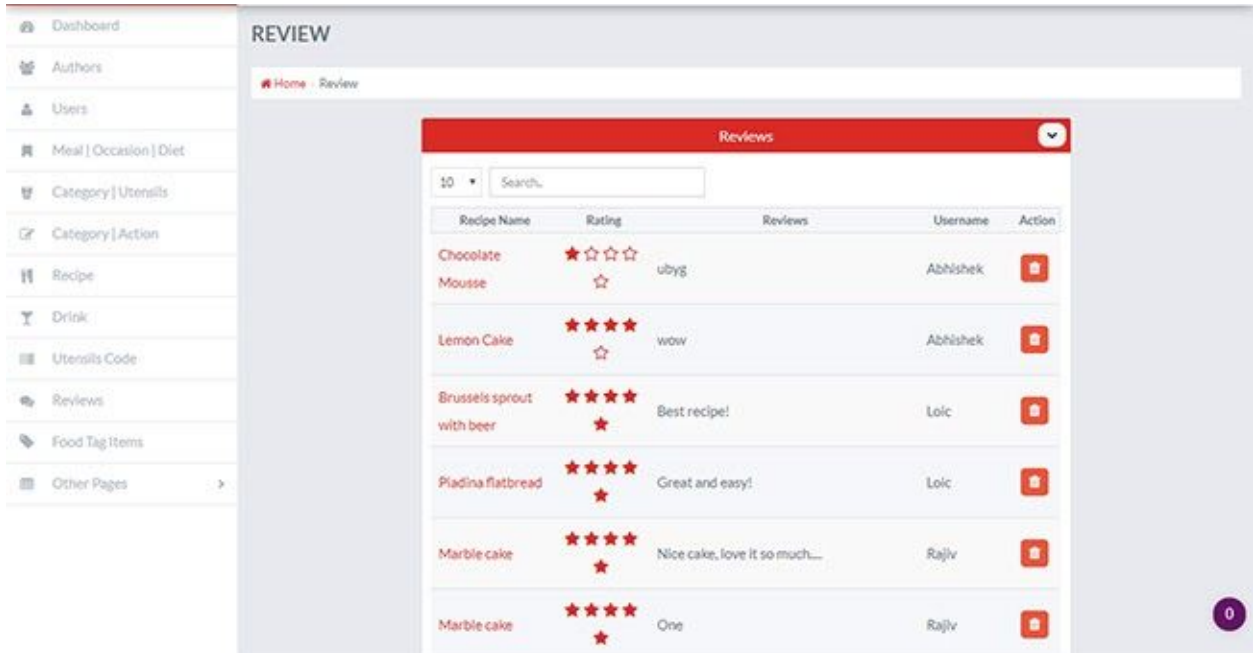


UTENSILS CODE

Home - Utensils Code







Code1	Code2	Code3	Code4	Code5	Code6	Utensils	Username
06	00	00	000001	01	03		Loic
06	00	00	000001	02	01		Loic
06	00	00	000001	02	04		Loic
06	00	00	000001	03	01		Loic
06	00	00	000001	01	05		Markus Kick
06	00	00	000001	02	03		Markus Kick
06	00	00	000001	03	03		Markus

10. Reviews



REVIEW

Home - Review

Recipe Name	Rating	Reviews	Username	Action
Chocolate Mousse	☆☆☆☆	ubyg	Abhishek	
Lemon Cake	☆☆☆☆	wow	Abhishek	
Brussels sprout with beer	☆☆☆☆	Best recipe!	Loic	
Piadina flatbread	☆☆☆☆	Great and easy!	Loic	
Marble cake	☆☆☆☆	Nice cake, love it so much...	Rajiv	
Marble cake	☆☆☆☆	One	Rajiv	

11. Food tag items

- Dashboard
- Authors
- Users
- Meal | Occasion | Diet
- Category | Utensils
- Category | Action
- Recipe
- Drink
- Utensils Code
- Reviews
- Food Tag Items
- Other Pages >

FOOD TAG ITEMS

Home - Foodtag

Raw Ingredients

10

Product Name	Pantry Days	Fridge Days	Freezer Months
Zwieback	Not available	Not available	Not available
Yokan	Not available	Not available	Not available
Plain yogurt	Not available	Not available	Not available
Yogurt, Greek, strawberry, DANNON OIKOS	Not available	Not available	Not available
Greek yogurt	Not available	Not available	Not available
Yogurt, Greek, nonfat, vanilla, DANNON OIKOS	Not available	Not available	Not available
Yogurt, Greek, nonfat, vanilla, CHOBANI	Not available	Not available	Not available
Yogurt, Greek, nonfat, strawberry, DANNON OIKOS	Not available	Not available	Not available
Yogurt, Greek, nonfat, strawberry, CHOBANI	Not available	Not available	Not available
Fruit yogurt	Not available	Not available	Not available

App Screens:

