

Simple Recipes Database Home Page: <http://flip2.engr.oregonstate.edu:9575/>

Executive Summary

Throughout the term we have continually improved our database design in response to peer reviewer feedback. Perhaps the most important suggestion came in the first round of peer reviews. Our initial proposal consisted of a basic website listing a few recipes that were grouped by type. All of the reviewers thought that we did not provide a complete description of the problem to be solved or the reason for using a database. One reviewer suggested that we incorporate *Menus* as a system to group and share recipes between the site's members. This idea completely changed the course of our project, and we transformed a boring, static website into a vibrant community of users who would upload recipes, curate their own menus, and rate and comment on each other's work. To achieve this, we removed the *Types* entity and replaced it with *Menus*. This necessitated forming M:M relationships between *Menus* and *Recipes* and between *Menus* and *Users*, as well as a 1:M relationship between *Menus* and *Users* to store the creator of the menu. We also provided the ability for users to add comments to *Recipes* and *Menus* in addition to ratings. Two new attributes, "recipe_step" and "recipe_action", were added to the *RecipeIngredients* junction table to describe when and how to use a specific ingredient in a recipe. Finally, we decided to change the primary key of the *Users* table to the "username" string and added a field for the user's email address.

In Project Step 3 reviewers mentioned that navigating our database website was cumbersome, and that a navigation bar with links to all the site's pages would improve usability. We took this advice and also adjusted the size of each page's text and titles, changed some text box elements in data entry forms to dropdown menus, and displayed the full names of related attributes in columns in junction tables rather than just showing unintuitive foreign key ID numbers. At this point we also made the "menu_creator" attribute in *Menus* and "recipe_creator" in *Recipes* nullable to represent site users who want to make contributions anonymously or without creating an account. We replaced the rating attributes in *Recipes* and *Users* with text descriptions. We also moved the rating attributes from *Recipes* and *Menus* to the *RecipeUsers* and *MenuUsers* junction tables.

An important piece of feedback we received in Project Step 4 was that in our junction tables, using primary keys made up of compound foreign keys could be problematic since the primary key would change whenever any of the concatenated keys are updated. In response, we switched the primary key of each of the four junction tables to unique auto-incrementing integer values. This change made updating and deleting rows much easier and less error prone. We also added a form field for "Recipe Description" to the "Recipes" page that was missing. Finally, we added queries for each of the relevant CRUD operations that would be included on each page of our site to the data manipulation queries file.

After receiving peer reviews for Project Step 5 we implemented the ability to add rows to each of the four junction tables, added a search function for each of the four main tables, and included the ability to update rows in every table on our site. The peer reviews for Project Step 6 said that the browse, add, and update abilities were working properly, and since then we have added the ability to delete rows on all tables.

Project Outline

Simple Recipes

Simple Recipes is a web application that allows users to easily find recipes that are diverse and easy to prepare. The site started out as a rudimentary page with only a few recipes posted by its owners. In its earliest form the page had no user profiles or a search function. Over time Simple Recipes' founders wanted to expand it into a community of like-minded food enthusiasts where users could upload their own recipes and rate recipes shared by others. This would require a robust database that is capable of storing data about user profiles, uploaded recipes, and groups of recipes collected by users.

A database driven website will serve as the backend for the main user-facing site. On the main site, *Users* will be able to search for *Recipes* by the recipe name or by specific *Ingredients*. To ensure that each dish is easy to cook, each recipe will contain a maximum of 10 ingredients. The page for each recipe will include a community review score between 1 and 10 based on the average user rating, as well as comments for the recipes. In total, the database will store information for 500 user profiles and allow up to 5,000 recipes to be uploaded, each made from a pool of about 1,000 ingredients.

Finally, *Users* can create *Menus*, or lists of up to 10 recipes saved by the user that are chosen from the site's entire catalog of uploaded recipes. A menu can include dishes with a similar theme, setting, or any other grouping the user desires. Users will be able to share menus, exposing each other to new dishes and in turn getting ideas from the community. Each menu will have its own average review score between 1 and 10 based on ratings left by other users. Users will also be able to comment on menus in the same way that they comment on recipes. This will encourage community members to view, share, and leave feedback on each others' menus.

Database Outline

Recipes: contains the information pertaining to Recipes recorded in the database

- recipe_id: int, auto_increment, unique, not NULL, PK
- recipe_name: varchar, not NULL
- recipe_description: varchar, text description of recipe
- recipe_creator: varchar, FK
 - Relationship: a 1:M relationship between Users and Recipes is implemented with username as an FK inside of Recipes
- Relationship: an M:M relationship between Recipes and Ingredients is implemented using the RecipeIngredients junction
- Relationship: an M:M relationship between Recipes and Users is implemented using the RecipeUsers junction
- Relationship: an M:M relationship between Menus and Recipes is implemented using the MenuRecipes junction

Ingredients: contains the information about ingredients used in the recipes

- ingredient_id: int, auto_increment, unique, not NULL, PK
- ingredient_name: varchar, not NULL
- ingredient_category: varchar, describes the category the ingredient falls under (e.g. vegetable, meat, etc.)
- Relationship: an M:M relationship between Ingredients and Recipes is implemented using the RecipeIngredients junction

RecipeIngredients: junction to create an M:M relationship between Recipes and Ingredients

- recipe_ingredient_id: int, auto_increment, unique, not NULL, PK
- recipe_id: int, not NULL, FK
- ingredient_id: int, not NULL, FK
- ingredient_amount: varchar, not NULL, includes unit
- recipe_step: int, not NULL, states which step in the recipe the ingredient is used on
- recipe_action: varchar, not NULL, describes how the ingredient is used
- Relationship: junction for M:M relationship between Recipes and Ingredients

Users: contains information about users that create and use the recipes

- username: varchar, unique, not NULL, PK, online moniker (not real name)
- user_email: varchar, not NULL
- user_description: varchar, a short introduction from the user
- Relationship: an M:M relationship between Recipes and Users is implemented using the RecipeUsers junction
- Relationship: an M:M relationship between Menus and Users is implemented using the MenuUsers junction

RecipeUsers: junction to create an M:M relationship between Recipes and Users - used to save ratings and comments from users that used the recipe

- recipe_user_id: int, auto_increment, unique, not NULL, PK
- recipe_id: int, not NULL, FK
- username: varchar, not NULL, FK
- recipe_user_rating: int, between 1 and 10 inclusive
- recipe_user_comment: varchar
- Relationship: junction for M:M relationship between Recipes and Users

Menus: a collection of Recipes that a user can put together

- menu_id: int, auto_increment, unique, not NULL, PK
- menu_name: varchar, not NULL
- menu_description: varchar, text description of menu
- menu_creator: varchar, FK
 - Relationship: a 1:M relationship between Users and Menus is implemented with username as an FK inside of Menus
- Relationship: an M:M relationship between Menus and Recipes is implemented using the MenuRecipes junction
- Relationship: an M:M relationship between Menus and Users is implemented using the RecipeMenus junction

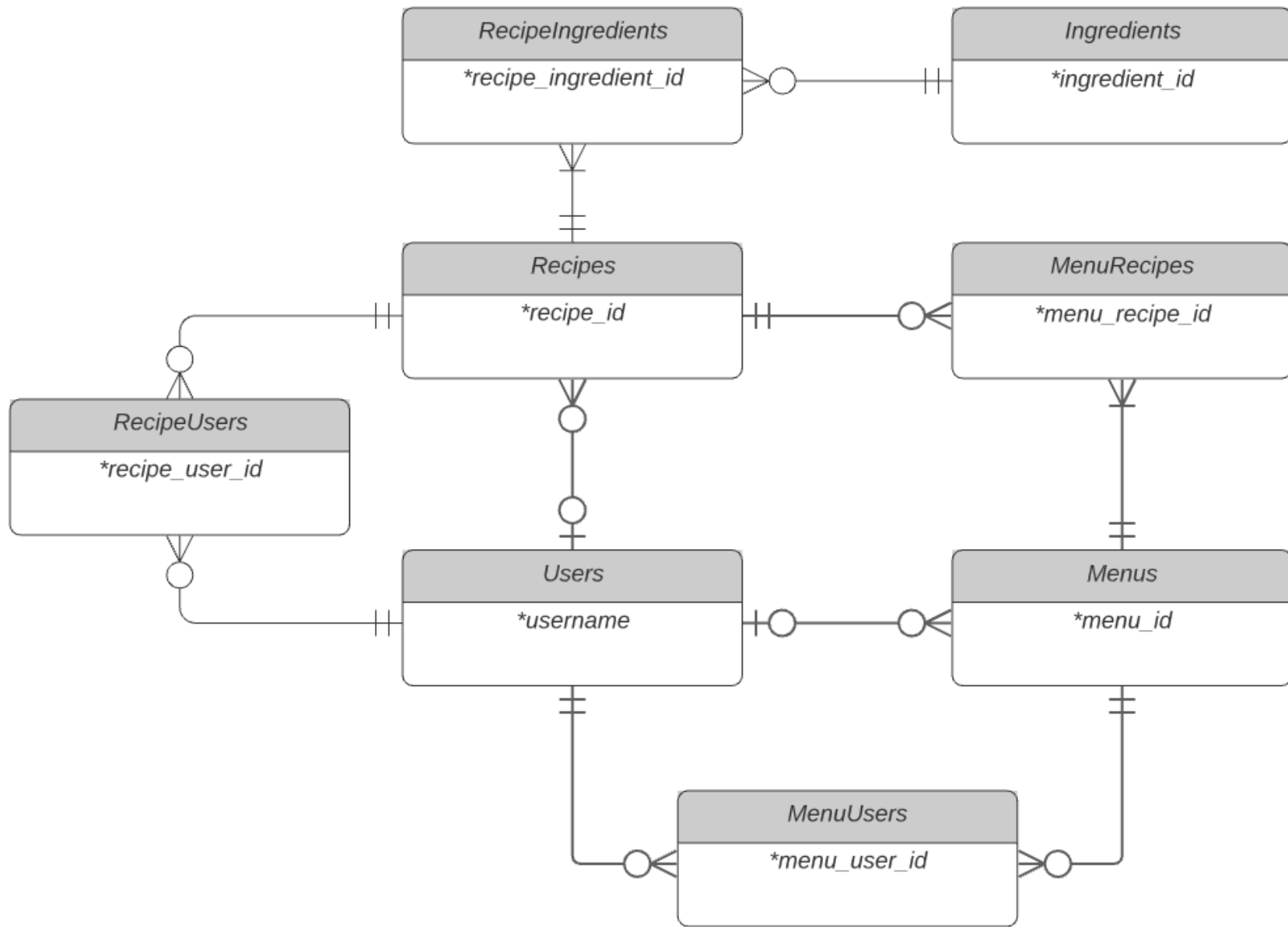
MenuRecipes: junction to create an M:M relationship between Recipes and Menus

- menu_recipe_id: int, auto_increment, unique, not NULL, PK
- menu_id: int, not NULL, FK
- recipe_id: int, not NULL, FK
- recipe_number: int, not NULL, states what number the recipe is on the menu
- Relationship: junction for M:M relationship between Recipes and Menus

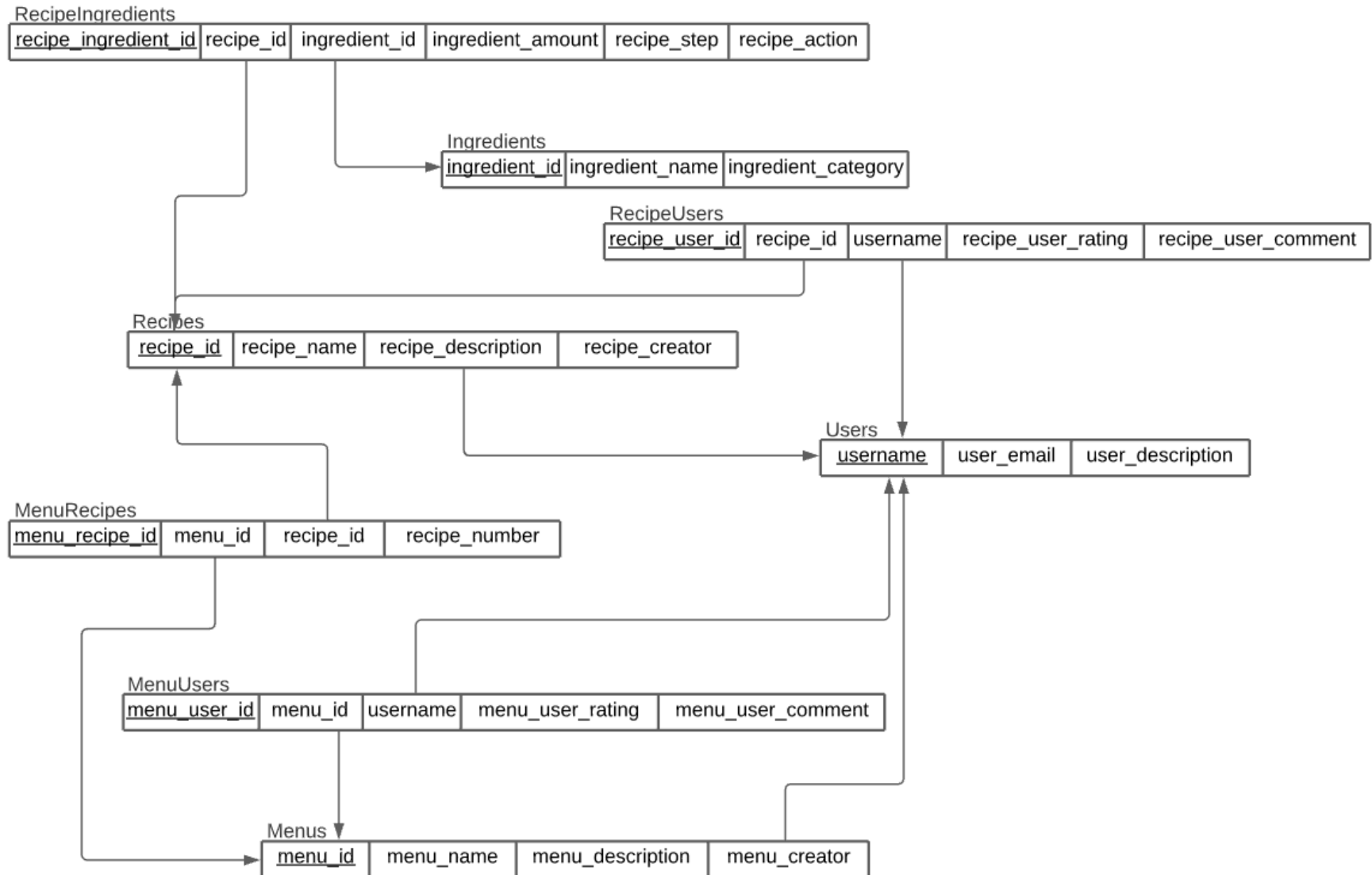
MenuUsers: junction to create an M:M relationship between Menus and Users - used to save ratings and comments from users that used the menu

- menu_user_id: int, auto_increment, unique, not NULL, PK
- menu_id: int, not NULL, FK
- username: varchar, not NULL, FK
- menu_user_rating: int, between 1 and 10 inclusive
- menu_user_comment: varchar
- Relationship: junction for M:M relationship between Menus and Users

Entity-Relationship Diagram



Schema



UI Screen Captures

Home Page

Simple Recipes Database Home Page

Project Group 8 - Kaiser Imam and Alexander Kim

View Entities

[Browse Recipes](#)

[Browse Ingredients](#)

[Browse Users](#)

[Browse Menus](#)

View Junction Tables

[Browse RecipeIngredients](#)

[Browse RecipeUsers](#)

[Browse MenuUsers](#)

[Browse MenuRecipes](#)

BROWSE Recipes Page

[Simple Recipes](#) [Recipes](#) [Ingredients](#) [Users](#) [Menus](#) [Junctions ▼](#)

Recipes

Add a recipe:

Recipe Details

Recipe Name:

Recipe Description:

Creator Name:

Submit

Search for a recipe:

Recipe Search

Search for a recipe:

Search

Current Recipes:

Recipe ID	Name	Description	Creator Username	Delete	Update
1	Peanut Butter Sandwich	A classic	Cheesemaster	Delete	Update
2	Grilled Sandwich	Check that cheesy goodness	Cheesemaster	Delete	Update
3	Block of Cheddar	Cheese chuck yum	Cheesemaster	Delete	Update
4	Monster Energy	ssssssssip	xXx_1337Gamer_xXx	Delete	Update
15	Best recipe	The best	Cheesemaster	Delete	Update
16	Lasagna	More cheese		Delete	Update

ADD NEW Recipe Page

Recipes

Add a recipe:

Recipe Details

Recipe Name:

Recipe Description:

Creator Name:

Submit

Search for a recipe:

Recipe Search

Search for a recipe:

Search

Current Recipes:

Recipe ID	Name	Description	Creator Username	Delete	Update
1	Peanut Butter Sandwich	A classic	Cheesemaster	Delete	Update
2	Grilled Sandwich	Check that cheesy goodness	Cheesemaster	Delete	Update
3	Block of Cheddar	Cheese chuck yum	Cheesemaster	Delete	Update
4	Monster Energy	sssssssip	xXx_1337Gamer_xXx	Delete	Update
15	Best recipe	The best	Cheesemaster	Delete	Update
16	Lasagna	More cheese		Delete	Update
22	Screenshot Example	will be updated soon	Test1	Delete	Update

SEARCH for a Recipe Page

Recipes

Add a recipe:

Recipe Details

Recipe Name:

Recipe Description:

Creator Name:

Submit

Search for a recipe:

Recipe Search

Search for a recipe:

Search

Current Recipes:

Recipe ID	Name	Description	Creator Username	Delete	Update
22	Screenshot Example	will be updated soon	Test1	Delete	Update

UPDATE a Recipe Page

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Recipes

Update a recipe:

Recipe Details

Recipe Name:

Recipe Description:

Creator Name: ▼

Results:

Current Recipes:

Recipe ID	Name	Description	Creator Username	Delete	Update
1	Peanut Butter Sandwich	A classic	Cheesemaster	<input type="button" value="Delete"/>	Update
2	Grilled Sandwich	Check that cheesy goodness	Cheesemaster	<input type="button" value="Delete"/>	Update
3	Block of Cheddar	Cheese chuck yum	Cheesemaster	<input type="button" value="Delete"/>	Update
4	Monster Energy	ssssssssip	xXx_1337Gamer_xXx	<input type="button" value="Delete"/>	Update
15	Best recipe	The best	Cheesemaster	<input type="button" value="Delete"/>	Update
16	Lasagna	More cheese		<input type="button" value="Delete"/>	Update
22	Screenshot Example	will be deleted soon	Test1	<input type="button" value="Delete"/>	Update

DELETE a Recipe Page

Recipes

Add a recipe:

Recipe Details

Recipe Name:

Recipe Description:

Creator Name: <Post anonymously> ▼

Submit

Search for a recipe:

Recipe Search

Search for a recipe:

Search

Current Recipes:

Recipe ID	Name	Description	Creator Username	Delete	Update
1	Peanut Butter Sandwich	A classic	Cheesemaster	Delete	Update
2	Grilled Sandwich	Check that cheesy goodness	Cheesemaster	Delete	Update
3	Block of Cheddar	Cheese chuck yum	Cheesemaster	Delete	Update
4	Monster Energy	ssssssssip	xXx_1337Gamer_xXx	Delete	Update
15	Best recipe	The best	Cheesemaster	Delete	Update
16	Lasagna	More cheese		Delete	Update

Ingredients

Add an ingredient:

Ingredient Details

Ingredient Name:

Ingredient Category:

Submit

Search for an ingredient:

Ingredient Search

Search for an ingredient:

Search

Current Ingredients:

Ingredient ID	Name	Category	Delete	Update
1	Peanut	Spread	Delete	Update
2	Jelly	Spreading	Delete	Update
3	Sliced White Bread	Bread	Delete	Update
4	American Cheese	Cheese	Delete	Update
5	Unsalted Butter	Dairy	Delete	Update
6	Cheddar Cheese	Cheese	Delete	Update
17	Brie	Cheez	Delete	Update

ADD NEW Ingredient Page

Ingredients

Add an ingredient:

Ingredient Details

Ingredient Name:

Ingredient Category:

Submit

Search for an ingredient:

Ingredient Search

Search for an ingredient:

Search

Current Ingredients:

Ingredient ID	Name	Category	Delete	Update
1	Peanut	Spread	Delete	Update
2	Jelly	Spreading	Delete	Update
3	Sliced White Bread	Bread	Delete	Update
4	American Cheese	Cheese	Delete	Update
5	Unsalted Butter	Dairy	Delete	Update
6	Cheddar Cheese	Cheese	Delete	Update
17	Brie	Cheez	Delete	Update
21	Screenshot Example	will be updated soon	Delete	Update

SEARCH for an Ingredient Page

Ingredients

Add an ingredient:

Ingredient Details

Ingredient Name:

Ingredient Category:

Submit

Search for an ingredient:

Ingredient Search

Search for an ingredient:

Search

Current Ingredients:

Ingredient ID	Name	Category	Delete	Update
21	Screenshot Example	will be updated soon	Delete	Update

UPDATE an Ingredient Page

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Ingredients

Update an ingredient:

Ingredient Details

Ingredient Name:

Ingredient Category:

Update

Results:

Current Ingredients:

Ingredient ID	Name	Category	Delete	Update
1	Peanut	Spread	Delete	Update
2	Jelly	Spreading	Delete	Update
3	Sliced White Bread	Bread	Delete	Update
4	American Cheese	Cheese	Delete	Update
5	Unsalted Butter	Dairy	Delete	Update
6	Cheddar Cheese	Cheese	Delete	Update
17	Brie	Cheez	Delete	Update
21	Screenshot Example	will be deleted soon	Delete	Update

DELETE an Ingredient Page

Ingredients

Add an ingredient:

Ingredient Details

Ingredient Name:

Ingredient Category:

Submit

Search for an ingredient:

Ingredient Search

Search for an ingredient:

Search

Current Ingredients:

Ingredient ID	Name	Category	Delete	Update
1	Peanut	Spread	Delete	Update
2	Jelly	Spreading	Delete	Update
3	Sliced White Bread	Bread	Delete	Update
4	American Cheese	Cheese	Delete	Update
5	Unsalted Butter	Dairy	Delete	Update
6	Cheddar Cheese	Cheese	Delete	Update
17	Brie	Cheez	Delete	Update

BROWSE Users Page

[Simple Recipes](#) [Recipes](#) [Ingredients](#) [Users](#) [Menus](#) [Junctions ▼](#)

Users

Add a user:

User Details

Username:

Email:

Bio:

Search for a user:

User Search

Search for a user:

Current Users:

Username	Email	Bio	Delete	Update
Cheesemaster	fondue4lyfe@aol.com	Gouda was my first love.	<input type="button" value="Delete"/>	Update
God	theOG@hotmail.com	The big man himself.	<input type="button" value="Delete"/>	Update
just_lurking	goaway@gmail.com	Nothing to see here	<input type="button" value="Delete"/>	Update
Test1	email1@email.com	Test Bio	<input type="button" value="Delete"/>	Update
xXx_1337Gamer_xXx	watchmycodmontage@gmail.com	Sometimes Mountain Dew and Doritos don't do enough for me.	<input type="button" value="Delete"/>	Update

ADD NEW User Page

Users

Add a user:

User Details

Username:

Email:

Bio:

Submit

Search for a user:

User Search

Search for a user:

Search

Current Users:

Username	Email	Bio	Delete	Update
Cheesemaster	fondue4lyfe@aol.com	Gouda was my first love.	Delete	Update
God	theOG@hotmail.com	The big man himself.	Delete	Update
just_lurking	goaway@gmail.com	Nothing to see here	Delete	Update
Screenshot Example	email2@email.com	will be updated soon	Delete	Update
Test1	email1@email.com	Test Bio	Delete	Update
xXx_1337Gamer_xXx	watchmycodmontage@gmail.com	Sometimes Mountain Dew and Doritos don't do enough for me.	Delete	Update

SEARCH for a User Page

Users

Add a user:

User Details

Username:

Email:

Bio:

Submit

Search for a user:

User Search

Search for a user:

Username

Search

Current Users:

Username	Email	Bio	Delete	Update
Screenshot Example	email2@email.com	will be updated soon	Delete	Update

UPDATE a User Page

[Simple Recipes](#) [Recipes](#) [Ingredients](#) [Users](#) [Menus](#) [Junctions ▼](#)

Users

Update a user:

User Details

Email:

Bio:

Results:

Current Users:

Username	Email	Bio	Delete	Update
Cheesemaster	fondue4lyfe@aol.com	Gouda was my first love.	<input type="button" value="Delete"/>	Update
God	theOG@hotmail.com	The big man himself.	<input type="button" value="Delete"/>	Update
just_lurking	goaway@gmail.com	Nothing to see here	<input type="button" value="Delete"/>	Update
Screenshot Example	email2@email.com	will be deleted soon	<input type="button" value="Delete"/>	Update
Test1	email1@email.com	Test Bio	<input type="button" value="Delete"/>	Update
xXx_1337Gamer_xXx	watchmycodmontage@gmail.com	Sometimes Mountain Dew and Doritos don't do enough for me.	<input type="button" value="Delete"/>	Update

DELETE a User Page

Users

Add a user:

User Details

Username:

Email:

Bio:

Submit

Search for a user:

User Search

Search for a user:

Search

Current Users:

Username	Email	Bio	Delete	Update
Cheesemaster	fondue4lyfe@aol.com	Gouda was my first love.	Delete	Update
God	theOG@hotmail.com	The big man himself.	Delete	Update
just_lurking	goaway@gmail.com	Nothing to see here	Delete	Update
Test1	email1@email.com	Test Bio	Delete	Update
xXx_1337Gamer_xXx	watchmycodmontage@gmail.com	Sometimes Mountain Dew and Doritos don't do enough for me.	Delete	Update

BROWSE Menu Page

[Simple Recipes](#) [Recipes](#) [Ingredients](#) [Users](#) [Menus](#) [Junctions ▼](#)

Menus

Add a menu:

Menu Details

Menu Name:

Menu Description:

Creator Name:

Submit

Search for a menu:

Menu Search

Search for a menu:

Search

Current Menus:

Menu ID	Name	Description	Creator Username	Delete	Update
1	Sandwiches	Only the best sandwiches	God	Delete	Update
2	Fromage	YumYumYumYum	Cheesemaster	Delete	Update
3	Test Menu 1	Sample Description 1	just_lurking	Delete	Update

Menus

Add a menu:

Menu Details

Menu Name:

Menu Description:

Creator Name: ▼

Submit

Search for a menu:

Menu Search

Search for a menu: ▼

Search

Current Menus:

Menu ID	Name	Description	Creator Username	Delete	Update
1	Sandwiches	Only the best sandwiches	God	Delete	Update
2	Fromage	YumYumYumYum	Cheesemaster	Delete	Update
3	Test Menu 1	Sample Description 1	just_lurking	Delete	Update
10	Screenshot Example	will be updated soon	Test1	Delete	Update

SEARCH for a Menu Page

Menus

Add a menu:

Menu Details

Menu Name:

Menu Description:

Creator Name: <Post anonymously> ▼

Submit

Search for a menu:

Menu Search

Search for a menu:

Search

Current Menus:

Menu ID	Name	Description	Creator Username	Delete	Update
10	Screenshot Example	will be updated soon	Test1	Delete	Update

UPDATE a Menu Page

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Menus

Update a menu

Menu Details

Menu Name:

Menu Description:

Creator Name:

Results

Current Menus:

Menu ID	Name	Description	Creator Username	Delete	Update
1	Sandwiches	Only the best sandwiches	God	<input type="button" value="Delete"/>	Update
2	Fromage	YumYumYumYum	Cheesemaster	<input type="button" value="Delete"/>	Update
3	Test Menu 1	Sample Description 1	just_lurking	<input type="button" value="Delete"/>	Update
10	Screenshot Example	will be deleted soon	Test1	<input type="button" value="Delete"/>	Update

DELETE a Menu Page

Menus

Add a menu:

Menu Details

Menu Name:

Menu Description:

Creator Name:

Submit

Search for a menu:

Menu Search

Search for a menu:

Search

Current Menus:

Menu ID	Name	Description	Creator Username	Delete	Update
1	Sandwiches	Only the best sandwiches	God	Delete	Update
2	Fromage	YumYumYumYum	Cheesemaster	Delete	Update
3	Test Menu 1	Sample Description 1	just_lurking	Delete	Update

BROWSE Recipes to Ingredients Junction Page

Recipes to Ingredients Junction

Add an ingredient to a recipe:

Recipe Ingredient

Recipe Name: Peanut Butter Sandwich

Ingredient Name: Peanut

Ingredient Amount:

Recipe Step:

Recipe Action:

Submit

Current ingredients in recipes:

ID	Recipe	Ingredient	Ingredient Amount	Recipe Step Number	Recipe Action	Delete	Update
1	Peanut Butter Sandwich	Sliced White Bread	2 slices	1	Lay out bread flat on surface.	Delete	Update
2	Peanut Butter Sandwich	Peanut	1 good knife ful	2	Slather peanut butter on one side of one piece of bread.	Delete	Update
3	Peanut Butter Sandwich	Jelly	1 good spoonful	3	Slather jelly on one side of the other piece of bread. Stack bread so that the spreads are touching.	Delete	Update
5	Grilled Sandwich	American Cheese	1 slice	2	Put cheese slice between bread slices.	Delete	Update
4	Grilled Sandwich	Sliced White Bread	2 slices	3	Stack bread.	Delete	Update
6	Grilled Sandwich	Unsalted Butter	1 tsp	3	Coat heated pan with butter and grill the sandwich until golden on both sides.	Delete	Update
7	Block of Cheddar	Cheddar Cheese	1 block	1	Just eat the block of cheddar cheese.	Delete	Update
13	Lasagna	Cheddar Cheese	32	1	add	Delete	Update

ADD NEW Recipe to Ingredient Relationship

Recipes to Ingredients Junction

Add an ingredient to a recipe:

Recipe Ingredient

Recipe Name: Peanut Butter Sandwich

Ingredient Name: Peanut

Ingredient Amount:

Recipe Step:

Recipe Action:

Submit

Current ingredients in recipes:

ID	Recipe	Ingredient	Ingredient Amount	Recipe Step Number	Recipe Action	Delete	Update
1	Peanut Butter Sandwich	Sliced White Bread	2 slices	1	Lay out bread flat on surface.	Delete	Update
2	Peanut Butter Sandwich	Peanut	1 good knifeful	2	Slather peanut butter on one side of one piece of bread.	Delete	Update
3	Peanut Butter Sandwich	Jelly	1 good spoonful	3	Slather jelly on one side of the other piece of bread. Stack bread so that the spreads are touching.	Delete	Update
5	Grilled Sandwich	American Cheese	1 slice	2	Put cheese slice between bread slices.	Delete	Update
4	Grilled Sandwich	Sliced White Bread	2 slices	3	Stack bread.	Delete	Update
6	Grilled Sandwich	Unsalted Butter	1 tsp	3	Coat heated pan with butter and grill the sandwich until golden on both sides.	Delete	Update
7	Block of Cheddar	Cheddar Cheese	1 block	1	Just eat the block of cheddar cheese.	Delete	Update
13	Lasagna	Cheddar Cheese	32	1	add	Delete	Update
23	Screenshot Example	Screenshot Example	1 unit	1	will be updated soon	Delete	Update

UPDATE a Recipe to Ingredient Relationship

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Recipes to Ingredients Junction

Update a recipe-ingredient relationship:

Recipe Ingredient

Ingredient Amount:

Recipe Step:

Recipe Action:

Results:

Current ingredients in recipes:

ID	Recipe	Ingredient	Ingredient Amount	Recipe Step Number	Recipe Action	Delete	Update
1	Peanut Butter Sandwich	Sliced White Bread	2 slices	1	Lay out bread flat on surface.	<input type="button" value="Delete"/>	Update
2	Peanut Butter Sandwich	Peanut	1 good knifeful	2	Slather peanut butter on one side of one piece of bread.	<input type="button" value="Delete"/>	Update
3	Peanut Butter Sandwich	Jelly	1 good spoonful	3	Slather jelly on one side of the other piece of bread. Stack bread so that the spreads are touching.	<input type="button" value="Delete"/>	Update
5	Grilled Sandwich	American Cheese	1 slice	2	Put cheese slice between bread slices.	<input type="button" value="Delete"/>	Update
4	Grilled Sandwich	Sliced White Bread	2 slices	3	Stack bread.	<input type="button" value="Delete"/>	Update
6	Grilled Sandwich	Unsalted Butter	1 tsp	3	Coat heated pan with butter and grill the sandwich until golden on both sides.	<input type="button" value="Delete"/>	Update
7	Block of Cheddar	Cheddar Cheese	1 block	1	Just eat the block of cheddar cheese.	<input type="button" value="Delete"/>	Update
13	Lasagna	Cheddar Cheese	32	1	add	<input type="button" value="Delete"/>	Update
23	Screenshot Example	Screenshot Example	1 unit	1	will be deleted soon	<input type="button" value="Delete"/>	Update

DELETE a Recipe to Ingredient Relationship

Recipes to Ingredients Junction

Add an ingredient to a recipe:

Recipe Ingredient

Recipe Name:

Ingredient Name:

Ingredient Amount:

Recipe Step:

Recipe Action:

Current ingredients in recipes:

ID	Recipe	Ingredient	Ingredient Amount	Recipe Step Number	Recipe Action	Delete	Update
1	Peanut Butter Sandwich	Sliced White Bread	2 slices	1	Lay out bread flat on surface.	<input type="button" value="Delete"/>	Update
2	Peanut Butter Sandwich	Peanut	1 good knifeul	2	Slather peanut butter on one side of one piece of bread.	<input type="button" value="Delete"/>	Update
3	Peanut Butter Sandwich	Jelly	1 good spoonful	3	Slather jelly on one side of the other piece of bread. Stack bread so that the spreads are touching.	<input type="button" value="Delete"/>	Update
5	Grilled Sandwich	American Cheese	1 slice	2	Put cheese slice between bread slices.	<input type="button" value="Delete"/>	Update
4	Grilled Sandwich	Sliced White Bread	2 slices	3	Stack bread.	<input type="button" value="Delete"/>	Update
6	Grilled Sandwich	Unsalted Butter	1 tsp	3	Coat heated pan with butter and grill the sandwich until golden on both sides.	<input type="button" value="Delete"/>	Update
7	Block of Cheddar	Cheddar Cheese	1 block	1	Just eat the block of cheddar cheese.	<input type="button" value="Delete"/>	Update
13	Lasagna	Cheddar Cheese	32	1	add	<input type="button" value="Delete"/>	Update

BROWSE Recipes to Users Junction Page

Recipes to Users Junction

Add a recipe review from a user:

Recipe User

Recipe Name: Peanut Butter Sandwich

Username: Cheesemaster

Rating:

Comment:

Submit

Current recipe reviews by users:

ID	Recipe	User	Rating	Comments	Delete	Update
1	Peanut Butter Sandwich	Cheesemaster	10	I'm all about dat cheesy goodness, but you CAN'T go wrong with a good PBJ!	Delete	Update
2	Peanut Butter Sandwich	xXx_1337Gamer_xXx	10	My mom makes me PBJs when I am too busy pwning n00bs online	Delete	Update
3	Grilled Sandwich	God	10	The forbidden fruit was originally a grilled cheese sandwich but I was afraid Adam would eat it instantly	Delete	Update
4	Block of Cheddar	God	1	Bruh	Delete	Update
5	Block of Cheddar	xXx_1337Gamer_xXx	4	Bit weird but I've eaten worse when on a gaming spree	Delete	Update
8	Monster Energy	xXx_1337Gamer_xXx	10	inject it into my veins	Delete	Update

ADD NEW Recipe to User Relationship

Recipes to Users Junction

Add a recipe review from a user:

Recipe User

Recipe Name:

Username:

Rating:

Comment:

Submit

Current recipe reviews by users:

ID	Recipe	User	Rating	Comments	Delete	Update
1	Peanut Butter Sandwich	Cheesemaster	10	I'm all about dat cheesy goodness, but you CAN'T go wrong with a good PBJ!	Delete	Update
2	Peanut Butter Sandwich	xXx_1337Gamer_xXx	10	My mom makes me PBJs when I am too busy pwning n00bs online	Delete	Update
3	Grilled Sandwich	God	10	The forbidden fruit was originally a grilled cheese sandwich but I was afraid Adam would eat it instantly	Delete	Update
4	Block of Cheddar	God	1	Bruh	Delete	Update
5	Block of Cheddar	xXx_1337Gamer_xXx	4	Bit weird but I've eaten worse when on a gaming spree	Delete	Update
8	Monster Energy	xXx_1337Gamer_xXx	10	inject it into my veins	Delete	Update
17	Screenshot Example	Screenshot Example	1	will be updated soon	Delete	Update

UPDATE a Recipe to User Relationship

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Recipes to Users Junction

Update a recipe-user relationship:

Recipe User

Rating:

Comment:

Update

Results:

Current recipe reviews by users:

ID	Recipe	User	Rating	Comments	Delete	Update
1	Peanut Butter Sandwich	Cheesemaster	10	I'm all about dat cheesy goodness, but you CAN'T go wrong with a good PBJ!	Delete	Update
2	Peanut Butter Sandwich	xXx_1337Gamer_xXx	10	My mom makes me PBJs when I am too busy pwning n00bs online	Delete	Update
3	Grilled Sandwich	God	10	The forbidden fruit was originally a grilled cheese sandwich but I was afraid Adam would eat it instantly	Delete	Update
4	Block of Cheddar	God	1	Bruh	Delete	Update
5	Block of Cheddar	xXx_1337Gamer_xXx	4	Bit weird but I've eaten worse when on a gaming spree	Delete	Update
8	Monster Energy	xXx_1337Gamer_xXx	10	inject it into my veins	Delete	Update
17	Screenshot Example	Screenshot Example	1	will be deleted soon	Delete	Update

DELETE a Recipe to User Relationship

Recipes to Users Junction

Add a recipe review from a user:

Recipe User

Recipe Name:

Username:

Rating:

Comment:

Current recipe reviews by users:

ID	Recipe	User	Rating	Comments	Delete	Update
1	Peanut Butter Sandwich	Cheesemaster	10	I'm all about dat cheesy goodness, but you CAN'T go wrong with a good PBJ!	<input type="button" value="Delete"/>	Update
2	Peanut Butter Sandwich	xXx_1337Gamer_xXx	10	My mom makes me PBJs when I am too busy pwning n00bs online	<input type="button" value="Delete"/>	Update
3	Grilled Sandwich	God	10	The forbidden fruit was originally a grilled cheese sandwich but I was afraid Adam would eat it instantly	<input type="button" value="Delete"/>	Update
4	Block of Cheddar	God	1	Bruh	<input type="button" value="Delete"/>	Update
5	Block of Cheddar	xXx_1337Gamer_xXx	4	Bit weird but I've eaten worse when on a gaming spree	<input type="button" value="Delete"/>	Update
8	Monster Energy	xXx_1337Gamer_xXx	10	inject it into my veins	<input type="button" value="Delete"/>	Update

Menus to Recipes Junction

Add a recipe to a menu:

Menu Recipe

Menu Name: Sandwiches ▼

Recipe Name: Peanut Butter Sandwich ▼

Recipe Number:

Submit

Current recipes in menus:

ID	Menu	Recipe	Recipe Number	Delete	Update
1	Sandwiches	Peanut Butter Sandwich	1	Delete	Update
2	Sandwiches	Grilled Sandwich	2	Delete	Update
3	Fromage	Block of Cheddar	1	Delete	Update
4	Fromage	Peanut Butter Sandwich	11	Delete	Update
5	Test Menu 1	Monster Energy	1	Delete	Update

ADD NEW Menu to Recipe Relationship

Menus to Recipes Junction

Add a recipe to a menu:

Menu Recipe

Menu Name: Sandwiches ▼

Recipe Name: Peanut Butter Sandwich ▼

Recipe Number:

Submit

Current recipes in menus:

ID	Menu	Recipe	Recipe Number	Delete	Update
1	Sandwiches	Peanut Butter Sandwich	1	Delete	Update
2	Sandwiches	Grilled Sandwich	2	Delete	Update
3	Fromage	Block of Cheddar	1	Delete	Update
4	Fromage	Peanut Butter Sandwich	11	Delete	Update
5	Test Menu 1	Monster Energy	1	Delete	Update
17	Screenshot Example	Screenshot Example	3	Delete	Update

UPDATE a Menu to Recipe Relationship

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Menus to Recipes Junction

Update a menu-recipe relationship:

Menu Recipe

Recipe Number:

Results:

Current recipes in menus:

ID	Menu	Recipe	Recipe Number	Delete	Update
1	Sandwiches	Peanut Butter Sandwich	1	<input type="button" value="Delete"/>	Update
2	Sandwiches	Grilled Sandwich	2	<input type="button" value="Delete"/>	Update
3	Fromage	Block of Cheddar	1	<input type="button" value="Delete"/>	Update
4	Fromage	Peanut Butter Sandwich	11	<input type="button" value="Delete"/>	Update
5	Test Menu 1	Monster Energy	1	<input type="button" value="Delete"/>	Update
17	Screenshot Example	Screenshot Example	4	<input type="button" value="Delete"/>	Update

DELETE a Menu to Recipe Relationship

Menus to Recipes Junction

Add a recipe to a menu:

Menu Recipe

Menu Name: Sandwiches ▼

Recipe Name: Peanut Butter Sandwich ▼

Recipe Number:

Submit

Current recipes in menus:

ID	Menu	Recipe	Recipe Number	Delete	Update
1	Sandwiches	Peanut Butter Sandwich	1	Delete	Update
2	Sandwiches	Grilled Sandwich	2	Delete	Update
3	Fromage	Block of Cheddar	1	Delete	Update
4	Fromage	Peanut Butter Sandwich	11	Delete	Update
5	Test Menu 1	Monster Energy	1	Delete	Update

Menus to Users Junction

Add a menu review from a user:

Menu User

Menu Name: Sandwiches

Username: Cheesemaster

Rating:

Comment:

Submit

Current menu reviews by users:

ID	Menu	User	Rating	Comments	Delete	Update
1	Sandwiches	xXx_1337Gamer_xXx	10	I get them in my lunchbox and I love it	Delete	Update
2	Fromage	God	1	Bruh	Delete	Update
3	Fromage	Cheesemaster	10	C'mon guys, it's CHEESE!	Delete	Update
4	Test Menu 1	just_lurking	4	Test Comment 1	Delete	Update

ADD NEW Menu to User Relationship

Menus to Users Junction

Add a menu review from a user:

Menu User

Menu Name: Sandwiches

Username: Cheesemaster

Rating:

Comment:

Submit

Current menu reviews by users:

ID	Menu	User	Rating	Comments	Delete	Update
1	Sandwiches	xXx_1337Gamer_xXx	10	I get them in my lunchbox and I love it	Delete	Update
2	Fromage	God	1	Bruh	Delete	Update
3	Fromage	Cheesemaster	10	C'mon guys, it's CHEESE!	Delete	Update
4	Test Menu 1	just_lurking	4	Test Comment 1	Delete	Update
13	Screenshot Example	Screenshot Example	1	will be updated soon	Delete	Update

UPDATE a Menu to User Relationship

Simple Recipes Recipes Ingredients Users Menus Junctions ▼

Menus to Users Junction

Update a menu-user relationship:

Menu User

Rating:

Comment:

Results:

Current menu reviews by users:

ID	Menu	User	Rating	Comments	Delete	Update
1	Sandwiches	xXx_1337Gamer_xXx	10	I get them in my lunchbox and I love it	<input type="button" value="Delete"/>	Update
2	Fromage	God	1	Bruh	<input type="button" value="Delete"/>	Update
3	Fromage	Cheesemaster	10	C'mon guys, it's CHEESE!	<input type="button" value="Delete"/>	Update
4	Test Menu 1	just_lurking	4	Test Comment 1	<input type="button" value="Delete"/>	Update
13	Screenshot Example	Screenshot Example	1	will be deleted soon	<input type="button" value="Delete"/>	Update

DELETE a Menu to User Relationship

Menus to Users Junction

Add a menu review from a user:

Menu User

Menu Name: Sandwiches

Username: Cheesemaster

Rating:

Comment:

Submit

Current menu reviews by users:

ID	Menu	User	Rating	Comments	Delete	Update
1	Sandwiches	xXx_1337Gamer_xXx	10	I get them in my lunchbox and I love it	Delete	Update
2	Fromage	God	1	Bruh	Delete	Update
3	Fromage	Cheesemaster	10	C'mon guys, it's CHEESE!	Delete	Update
4	Test Menu 1	just_lurking	4	Test Comment 1	Delete	Update