Cooking Mania Project Report

CSCE 310

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GITHUB URL: https://github.com/jmcwhirter1608/CookingMania/tree/master

Changes to Project Design:

Deleted Ingredients, Ingredients List tables. Added an Ingredient text attribute in Recipes.

- This was chosen since it was a complicated dependency with the bridge entity and the operation of it within PHP/HTML pages was dependent on all Ingredients being ordered correctly. The text Ingredient attribute allows users to add any ingredient and quantity as they please with units. It gives the users more flexibility with their ingredients, the units, and the specificity while being easier to implement.

*Deleted Class Scheduling tables. (Moved variables to Classes table).*

In class table: deleted Class_duration. Added Class_date, class_startTime, Class_endTime, Class_RoomNum. Renamed Class_size_limit to Class_enrollment attribute to Classes entity.

- The reason the class scheduling table was removed was because the functionality of scheduling could be accomplished in the classes table itself. When creating the class the administrator is able to specify the date, room number, start and end time of the class. The class scheduling table would have held no purpose if implemented as it does not act as a bridge entity either. The scheduling attributes are unique to each class being created, since in one room a class cannot be conducted at the same time on the same date.
- The functionality of scheduling is maintained and having all the attributes in one entity provides for easier querying.This also maintains normalization (with one primary key and no dependencies).

Project Design Before:
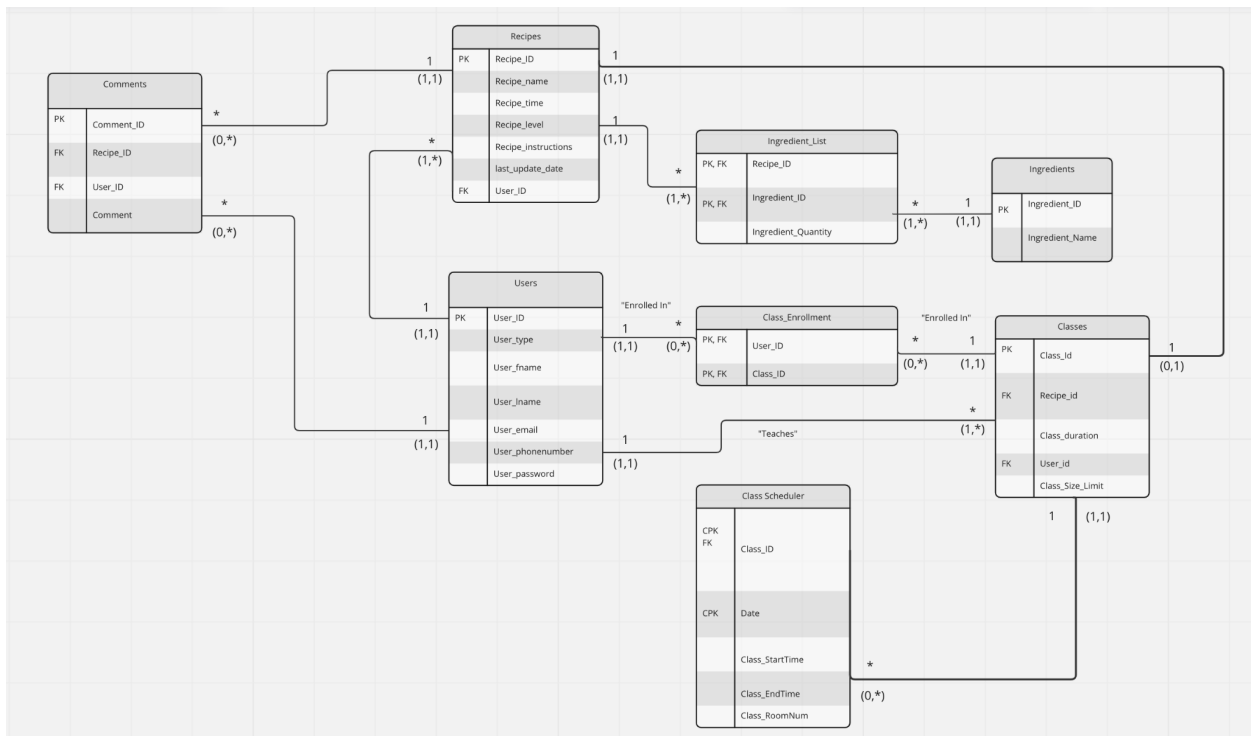
Current Project Design:
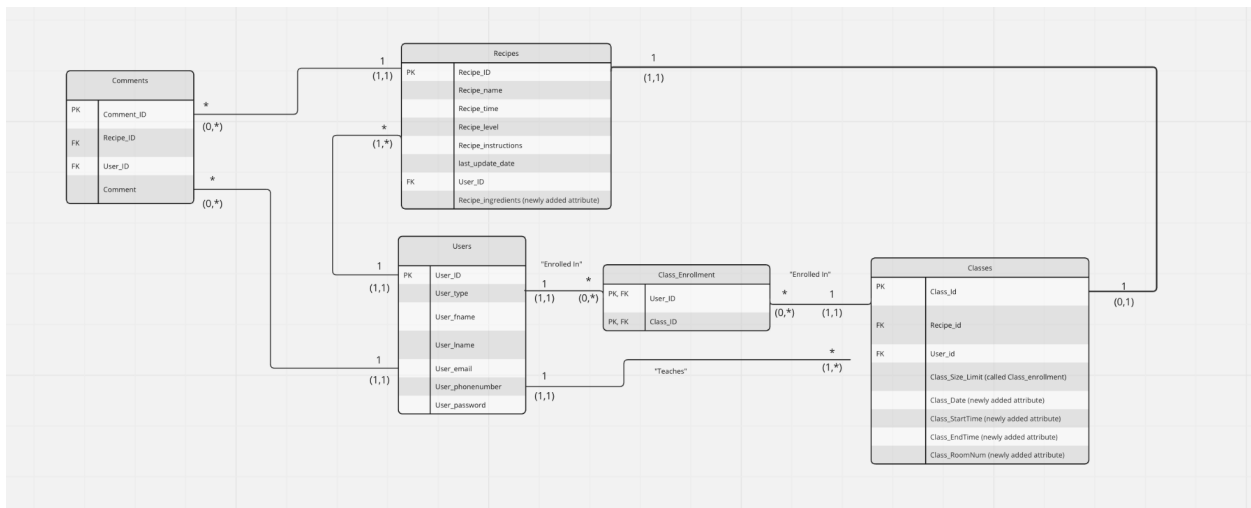
Project Files:

Common Files:

- dbconnection.php (to connect to database)
- navbar.php (to control access to various pages)
- Styles.css (to consolidate application style)

SQL file: (create DB called CookingMania)

- cookingmania.sql

John (Functionality Set 1):

Create Account:

- Profile/Accounts.php
- Profile/Register/CreateAccount.php
- Profile/Register.php

Update Account:

- Profile/Accounts.php (*Admin Only*)
- Profile/Register/EditAccount.php (*Admin Only*)
- PorfilePage.php
- Profile/UpdateUser.php

Delete Account:

- Profile/Accounts.php (*Admin Only*)
- Profile/Register/DeleteAccount.php (*Admin Only*)

View Account:

- ProfilePage.php
- Profile/SignIn.php
- Profile/SignOut.php
- Porfile/index.php
- Profile/GetUser.php
- Profile/Accounts.php (*Admin Only*)
- Profile/ClassesAttended.php (*Student Only*)
- Profile/ClassesTaught.php (*Teacher Only*)

Shri (Functionality Set 2):

Create Functionality :

- Create_class.php (create class for Admin only)
- Classes_server.php
- Class_reg.php (create class registration for students only)

View Class:

- View_class_a.php (All users but view varies for each type of user)
- Class_reg.php (Student only can view registration records)

Update Class:

- update_classes.php (update form view varies for admin and teacher)
- Process_class_update.php

Delete Functionality:

- View_class_a.php (delete class only available for admin and teacher)
- Class_reg.php (delete class registrations only available for student)

Preksha (Functionality Set 3):

Create Recipe:

- create_recipe.php
- create_sql_recipe.php

View Recipe:

- view_recipe.php (where edit starts)

Edit Recipe:

- edit_delete_recipe.php (where delete starts)
- edit_recipe_sql.php

Delete Recipe:

- Delete_recipe_sql.php

Ariana (Functionality Set 4):

Create Comment:

- Ariana.php
- CreateSQLComment.php

View Comment:

- Ariana.php

Edit/Delete Comment:

- Edit_Delete_CommentSQL.php
- Ariana.php

Functionalities:

John- Login/Register Functionalities (Functionality Set 1)***:***

Any user can Sign In to their account or Create an Account. A Teacher user can see the history of the classes they taught with information on that class. A student user can see the history of the classes they have taken with information on that class. An Admin will not see history on classes, but information on each of the user accounts. An Admin will be able to edit the profile information of any user and/or delete the account of any user. They can also create a new Admin, Teacher, or Student account from the Profile Page. In addition, any user can Sign Out.

	ADMIN	TEACHER	STUDENT/USER
VIEW	View all users	View Classes Taught	View Classes Attended
CREATE	Create New users Can create teacher, student, or admin	Cannot create users, can create self	Cannot create users, can create self
UPDATE	Can update user types, user information etc	Can update information on self Cannot change user type	Can update information on self cannot change user type
DELETE	Can delete Any user	Can delete self	Can delete self

Shri (Functionality Set 2)**:**

If you are an admin only you are able to **create** a new class. Scheduling functionality is in place so that classes in the same room and day cannot overlap in time and the instructor must also be a teacher. Checks for validity of new class appointments made. As an admin you are able to **update** all elements of a scheduled class.

If you are a teacher you cannot create classes only **update** them. *Unlike* the admin, the teacher is not able to **update** the class's room number or max enrollment size (those are finalized by the admin), but they can **update** the other elements.

If you are a student only you are able to **create** a class registration record (register/make an appointment for a class). Only a student is able to **view** their own class registrations. And only a student can **delete** their own class

registration records. When registering, if a class has met max enrollment the student will not be able to register.

All user types can **view** class information. But only students can **view** teacher contact information as well; a modified view of the classes table. Only admin and teachers can **delete** classes [appointments].

	ADMIN	TEACHER	STUDENT/USER
VIEW	View all classes	View all classes	Can View all classes (with additional attribute: contact information of instructors) Can View their Class Registrations
CREATE	Create new classes	Teacher does not have permission to create classes.	Create Class Registrations
UPDATE	Can update all classes and all fields	Can update all classes and all fields except for: *max enrollment number* and *room number*.	Does not have permission to update classes.
DELETE	Any Classes	Any Classes	Any Class Registration records.

Preksha- Recipe Functionalities (Functionality Set 3)**:**

Create recipes if you are an admin or a teacher user. If you are a viewer you will not be able to see this option. Admin's have the additional ability to create recipes for other users.

Update ANY recipe if you are an admin and have the option to change the user associated with the recipe to any teacher or admin. Update your own recipes if you created them as a teacher. If you are not a teacher or admin, you can not access this functionality.

Deleting ANY recipes if you are an admin. Delete your own recipes if you created them as a teacher. Can not access the delete functionality if you are a basic user.

Anyone can view recipes (teacher, user, or admin type: whether logged in or not). The teacher can see and edit button on this page if they created that recipe. The

admin sees the edit button in all the recipes. The admin and teacher for that recipe also sees the date updated last. The admin will see ALL last update dates, but the teacher can only see it for their own recipes.

	ADMIN	TEACHER	STUDENT/USER
VIEW	View more information about all recipes.	View more information (ID + update datec) about their recipes. View their own recipes specifically in a separate tab.	All recipes can be viewed (with less information).
CREATE	Create recipes for any admin or teacher.	Create recipes for themselves.	Does not have permission
UPDATE	Any recipe. Update user/creator option	Only their own	Does not have permission
DELETE	Any recipe	Only their own	Does not have permission

Ariana- Comment Functionalities (Functionality Set 4)***:***

Everyone can add/view comments about the recipe.

Update ANY comment if you are an admin.If you are the user that wrote the comment you can update the comment but no one else's.

Delete ANY comment if you are an admin. If you are the user that wrote the comment you can update the comment but no one else's.

If you are an admin you see the edit/delete buttons on all comments but if you are the user that wrote the comment you see the edit/delete button on your comment only. Anyone can view/add comments.

	ADMIN	TEACHER	STUDENT/USER

VIEW	View comments about the recipes.	View comments about the recipes.	View comments about the recipes.
CREATE	Create comments about the recipes.	Create comments about the recipes.	Create comments about the recipes.
UPDATE	Any comment even if it is not theirs.	Only their own	Only their own.
DELETE	Any comment even if it is not theirs.	Only their own	Only their own