Final Project Retrospective

Changes made from feedback:

Based on the feedback received on the proposal, the following changes were made:

- The *trigger* **update_recipe_timestamp** was renamed to **trg update recipe timestamp** according to convention.
- The *procedure* **find_recipes** was renamed to **usp_find_recipes** according to convention.

Challenges encountered:

A significant challenge occurred during the creation of the procedure **usp_find_recipes**. While executing the query to create the procedure, I encountered the following error:

#1558 - Column count of mysql.proc is wrong. Expected 21, found 20. Created with MariaDB 100108, now running 100428. Please use mysql_upgrade to fix this error

The recommended solution was to run the *mysql_upgrade* file, which I was unable to on my system.

Resolution:

To solve the above problem, I tried running the *mysql_upgrade* file. When this was unsuccessful, I executed the SQL script on a different system with a compatible MariaDB/MySQL version. I was able to successfully create the *procedure* in this case, below is a screenshot of a demo query that I was able to run.



Problem Solving:

I was able to successfully solve the real-world problems mentioned in the proposal:

- Recipe Search: The procedure usp_find_recipes allows the user to effectively search for recipes by ingredients, cuisine or other keywords. This addresses the difficulty of finding specific recipes in the database.
- Favourite Recipes: The *view* top_rated_recipes can be used to identify the most successful/liked recipes. This addresses the problem of forgetting what my most liked recipes are.

Future Plans:

Several improvements can be made in the database **cookbook_db** in the future:

- **Ingredient Units:** A 'unit' column could be added to the *recipe_ingredients* table describing the measurements in *grams, cups, tbsp, etc.*
- Advanced Search: I can further improve the *procedure* usp_find_recipes to allow searching by *cook time mins*.
- Add Recipe Images: Add functionality to store URLs for images associated with each recipes.