

American International University-Bangladesh (AIUB)

Project Name: Cooking Recipe Portal

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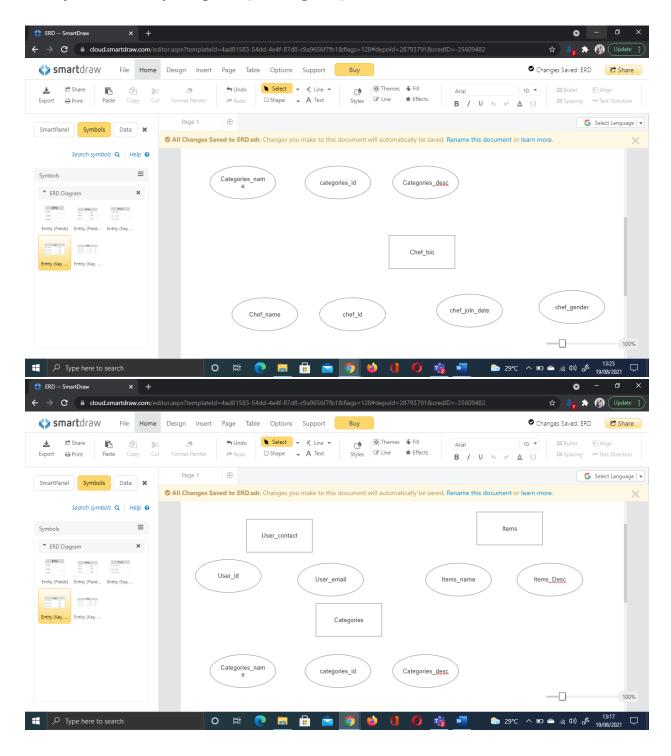
Scenario:

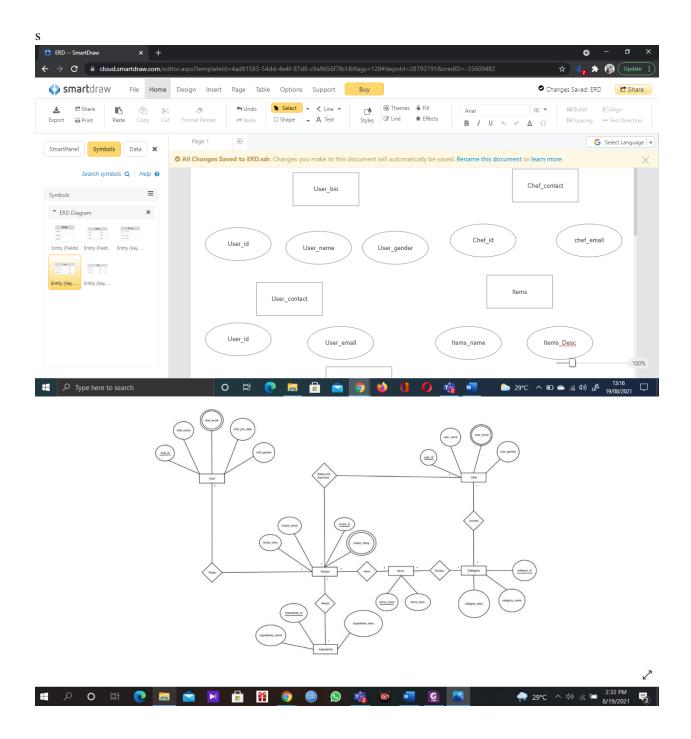
Cooking Recipe Portal is a portal where Chefs can post recipes. All recipes are stored in a table and Ingredients of the All Recipes in another table. All the recipes are divided into main Categories like Breakfast, Lunch, Dinner etc. Those categories are also divided into Food items like Rice, Juice, Ice-Cream etc. For Example, The **Rice** item, there are all rice related recipes. A user can easily find recipes through searching. Otherwise they can go to the category section. For example: If a user goes to the **Lunch** category, he can find all food items which are generally taken in **Lunch**. Then if he selects an item For Example, **Curry**. There he can find all **Curry** related recipes. Users can see the profile of the Chef and all ingredients related to a particular Recipe.

In our Portal we have,

5 Chefs Profile, 5 Users Profile, 5 Main Categories, 10 Items, 10 Recipes, 30 Recipe Ingredients List.

Entity Relationship Diagram (ER Diagram):





Normalization Final List:

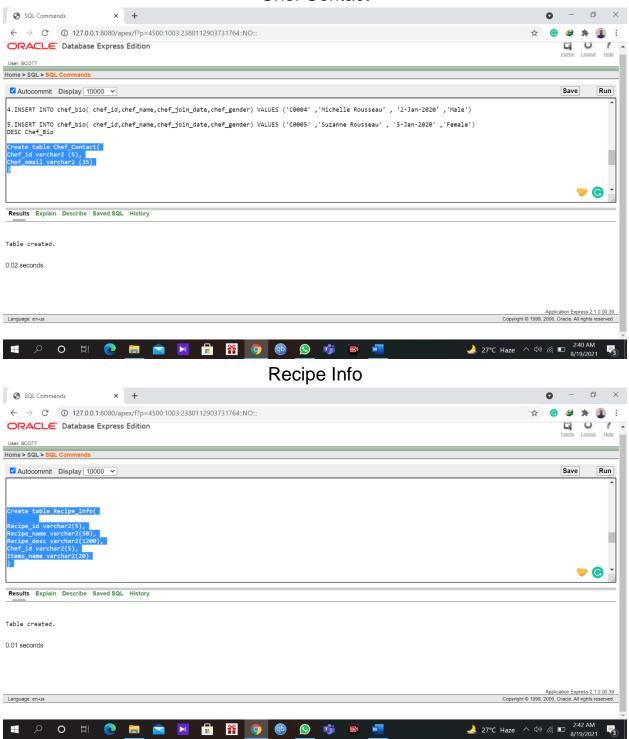
NB:

"Green Colour For Primary Key
Multiple Green Colour For Composite Primary Key
Red Colour For Foreign Key"

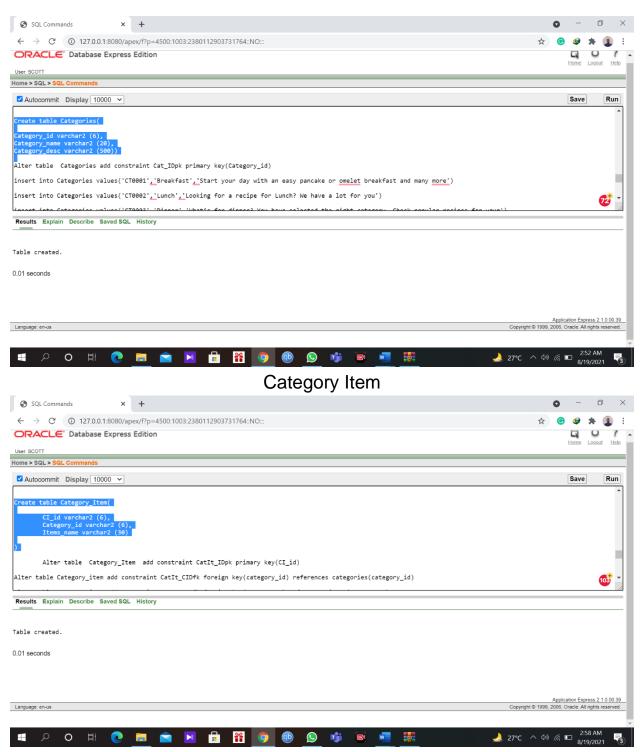
- 1. Chef_id, Chef_name, Chef_join_date, Chef_gender
- 2. Chef_id, Chef_email
- 3. Recipe_id, Recipe_name, Recipe_desc, Chef_id, Items_name
- 4. Recipe_id, Recipe_Rating, User_id
- 5. Ingredients_id, Ingredients_name, Ingredients desc
- 6. RI_id, Recipe_id, Ingredients_id
- 7. User_id, User_name, User_gender
- 8. User_id, User_email
- 9. UR_id, User_id, Recipe_id
- 10. Category_id, Category_id, Category_desc
- 11. UC_id, User_id, Category_id
- 12. Items_name, Items_desc
- 13. Cl_id, Category_id, Items_name

Table Create Screenshot

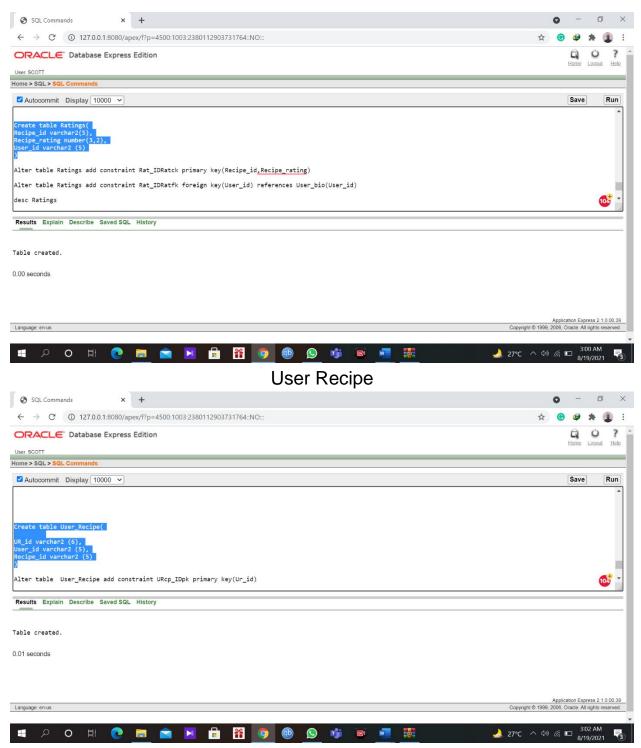
Chef Contact



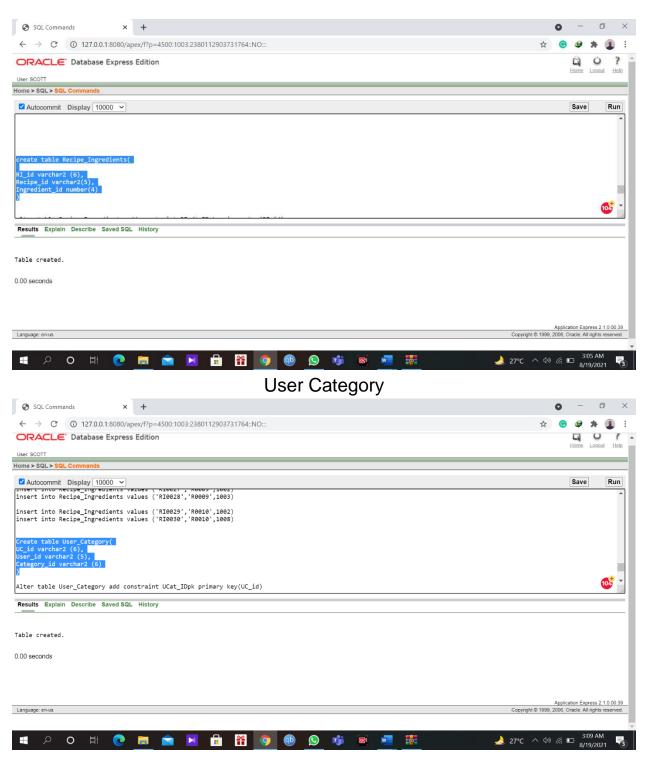
Categories



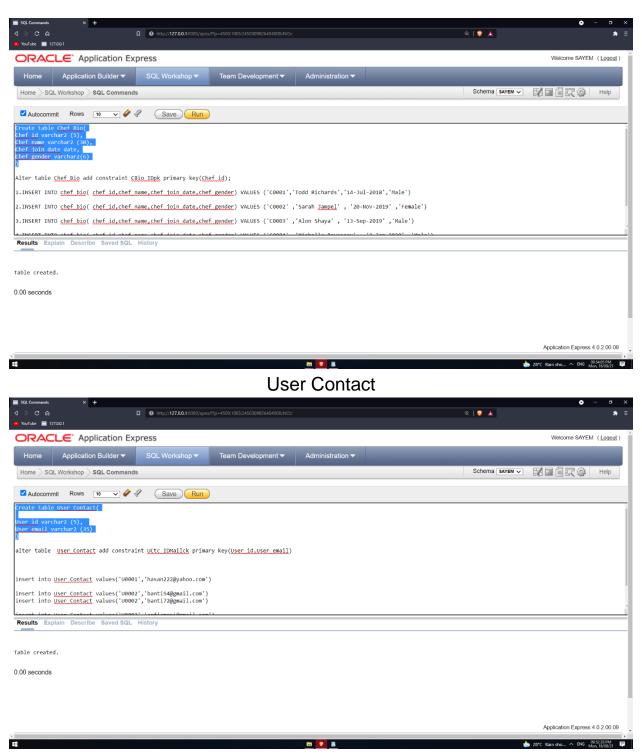
Ratings



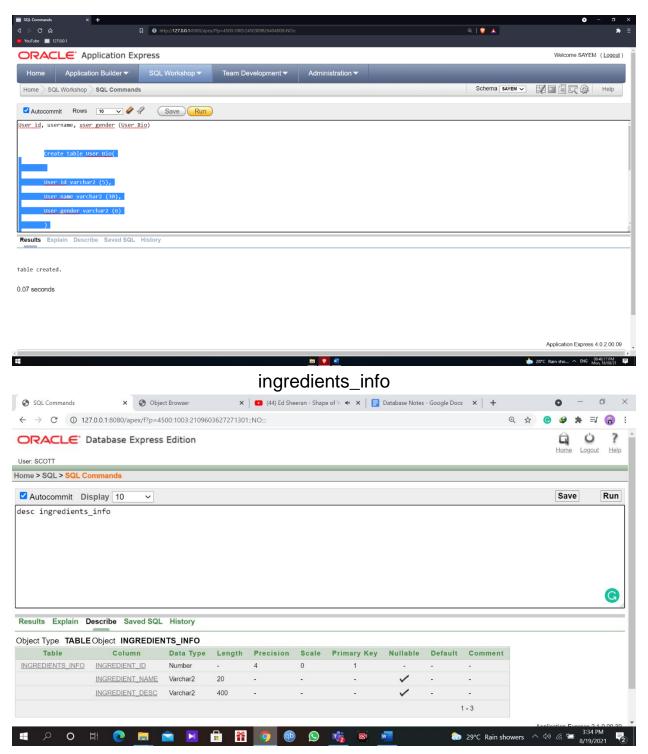
Recipe Ingredients



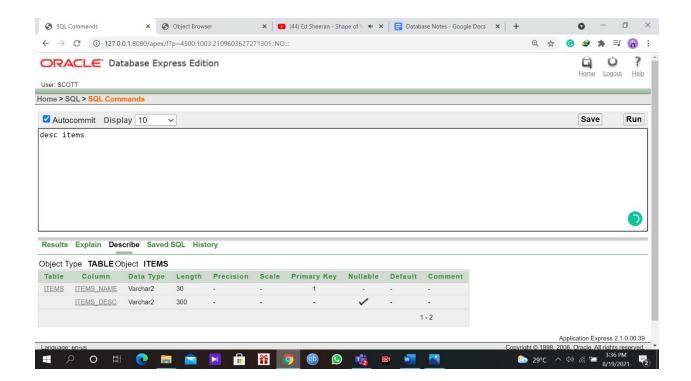
Chef Bio



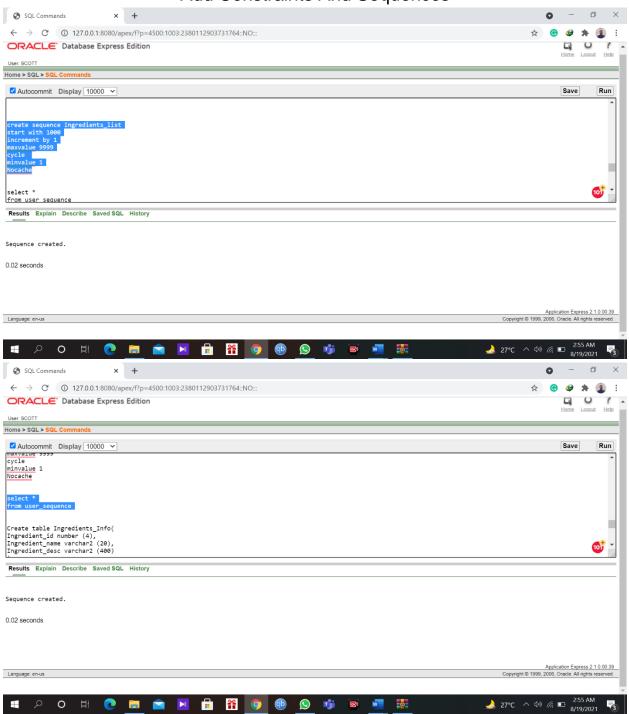
User Bio

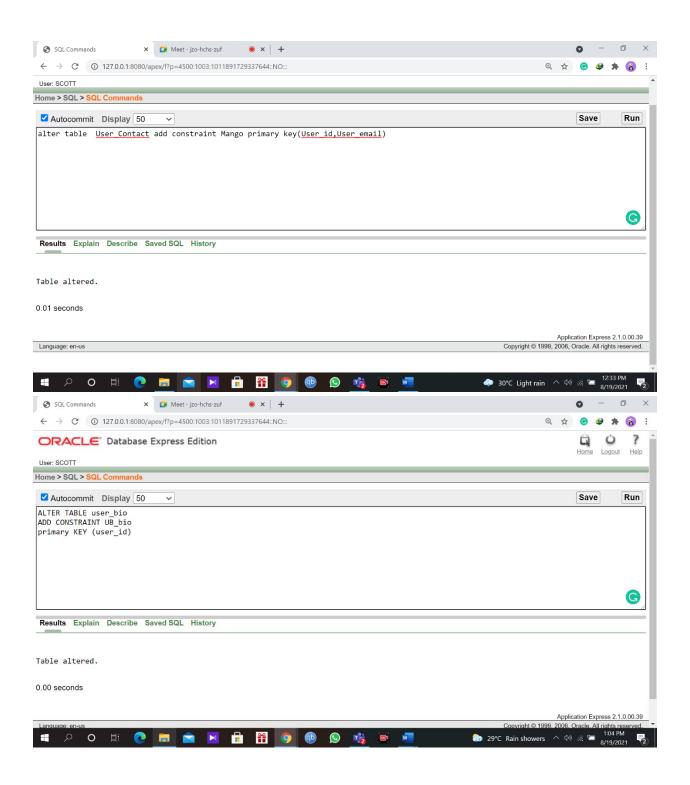


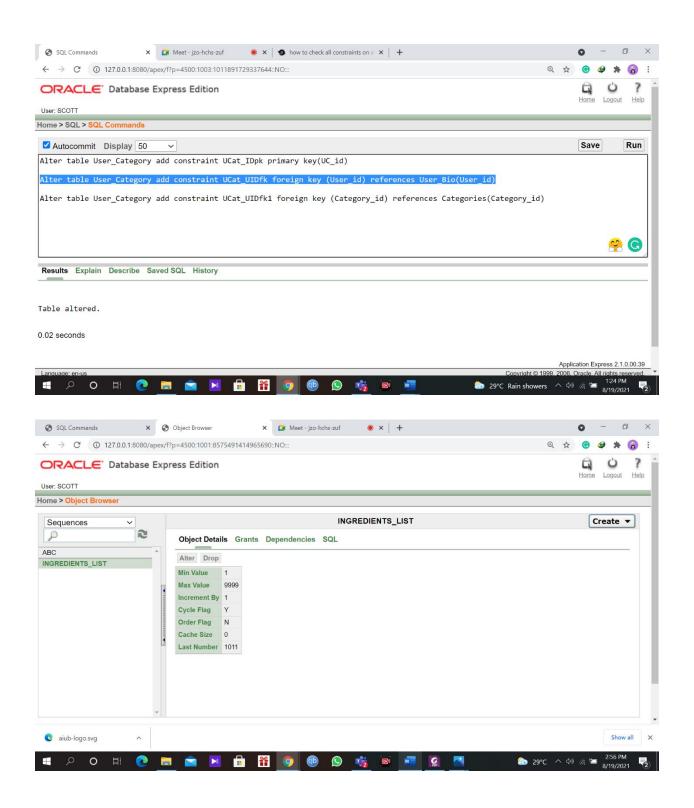
Items



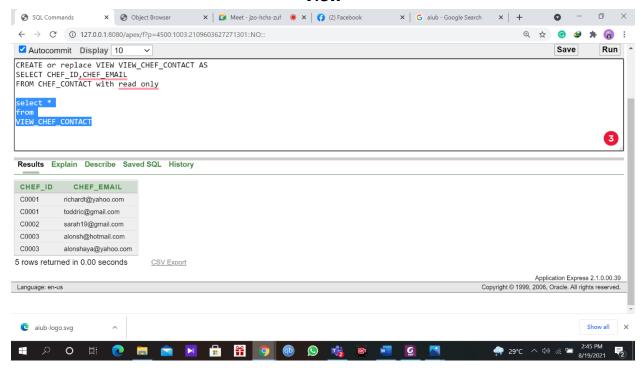
Add Constraints And Sequences







View



Questions Related to Project:

1. A Particular Recipe got How much Average Rating

Query:

Select Recipe_name, AVG(Recipe_Rating) "Average Rating"
From Recipe_info, Ratings
Where Recipe_info.Recipe_id = Ratings.Recipe_id and Recipe_info.Recipe_id= 'R0001'
Group by Recipe_name

2. A Particular Chef posted How much Recipes

Query:

Select Chef_name, count(Recipe_id)
From Recipe_Info,chef_bio
Where Recipe_Info.chef_id = chef_bio.chef_id and chef_bio.chef_id = 'C0001'
Group by chef_name

3. Which Recipe Gets Highest Average Rating

Query:

Select recipe_name,avg(recipe_rating) "Rating"
From recipe_info, ratings
Where recipe_info.recipe_id = ratings.recipe_id
Group by recipe_name
Order by avg(recipe_rating) desc

4. Users Can See the Profile of Chefs

Query:

create or replace view UserSeesChef as select * from chef_bio with read only

select * from UserSeesChef

5. How experienced a particular chef is in Days.

Query:

select Chef_name, Trunc((SYSDATE-Chef_Join_Date)) "Chef's Experience in Days" from Chef_bio order by (SYSDATE-Chef_Join_Date) desc

6. How much Ingredients have used in every Recipe

Query:

Select Recipe_name, Count(Ingredient_id)
From Recipe_Ingredients,Recipe_Info
Where Recipe_Ingredients.Recipe_id=Recipe_Info.Recipe_id
Group by Recipe_name

7. Which items belong to a particular Category.

Query:

Select items_name
From category_item
Where category_id = 'CT0001'

8. Which recipes are belongs to a particular Item

Query:

Select Items_name, Recipe_Name From Recipe_info Where Items = 'Juice'

9. Search a Recipe where Item name Ends with 'S'

Query:

Select Recipe_name,Items_name From Recipe_Info Where Items_name like '%S'

10. Find the recipes who get the equal rating which is items wise highest rating.

Query:

Select recipe_name, recipe_rating
From recipe_info, ratings
Where recipe_info.recipe_id=ratings.recipe_id and recipe_rating in (select max(recipe_rating)
From ratings, recipe_info
where ratings.recipe_id=recipe_info.recipe_id
Group by items_name)