CPSC 304 Project Cover Page

Milestone #: ____4____

Date: __2024-04-05_____

Group Number: ____49_____

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Short Description

Our project is an app that allows its users to plan their meals and keep track of their nutritional intakes in detail over a set period of time. The users would initially input their budget, location, nutritional preferences, and time spent as a query. The app would help the user build a set meal schedule best accommodating their preferences, such as allowing the user to see each of their food choice's nutritional facts, which restaurant to order takeout from, which grocery store to buy certain ingredients, and provide recipes for making each food/meal that they plan to make themselves. It helps them keep track of their time and budget spent on dining and all related tasks. The frontend as it currently stands, shows a deconstructed version of this app: the developer's point of view. It depicts the different tables which would be queried to achieve all the functionalities listed prior. We currently show examples of different types of queries you could make on these tables.

Repository Link

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_p6e5b_r7d3b_y1c2b

SQL Script

Our sql script is found in the project directory under the filename "initProjectTables.sql"

Schemas in Database

We did a 3NF decomposition using a minimal cover and 3NF synthesis. Primary keys are underlined, while foreign keys are bolded.

- R1 (nutritionalReqID, nutritionalReqTotalSugars, nutritionalReqTotalFats, nutritionalReqTotalProteins, nutritionalReqTotalCalories)
- R2 (userid, uname, uaddress, budget, phone, **nutritionalReqID**)
- R3 (**userid**, mealPlanName, duration, date)
- R4 (mealName, diningTime, mealCuisine)
- R5 (foodName, foodCost, **nutritionalFactName**, discount, timeRequired)
- R6 (nutritionalFactName, nutritionalFactTotalProteins, nutritionalFactTotalSugars, nutritionalFactTotalFats, nutritionalFactsTotalCalories, **foodName**)
- R7 (recipeName, instructions, **foodName**)
- R8 (restaurantName, restaurantAddress, restaurantRating, restaurantCuisine)
- R9 (ingredientName, category)
- R10 (**ingredientName**, **recipeName**, quantity)
- R11 (groceryStoreName, groceryStoreAddress, openHours, groceryStoreRating)
- R12 (**groceryStoreName**, **groceryStoreAddress**, **ingredientName**, sellsCost)
- R14 (**userid**, **mealName**, **mealPlanName**, **restaurantAddress**, **restaurantName**, **foodName**)
- R15 (**userid**, **mealName**, **mealPlanName**, **ingredientName**, **recipeName**, **groceryStoreName**, **groceryStoreAddress**, **foodName**)

Schema Changes

- R13 was removed as it violated oracleDB syntax. We couldn't refer to partial primary keys as a foreign key (we needed to specify the whole primary key in the referencing table).
- "uid" was changed to "userid" as "uid" is already being used as a key in sql plus.

Screen Shots

Insert into R15	Screen Shots
SQL Query (found in appService.js from lines 124 to 125)	`` `INSERT INTO R15 (userID, mealName, mealPlanName, ingredientName, recipeName, groceryStoreName, groceryStoreAddress, foodName) VALUES (:userID, :mealName, :mealPlanName, :ingredientName, :recipeName, :groceryStoreName, :groceryStoreAddress, :foodName)` ``
Before	

Table shown in "Before" screenshot:

User ID	Meal Name	Meal Plan Name	Ingredient	Recipe	Grocery Store Name	Grocery Store Address	Food Name
1	Tuna sandwich and fresh squeezed fruit juice	bulking	orange	Fresh squeezed fruit juice recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Fresh squeezed fruit juice
1	Tuna sandwich and fresh squeezed fruit juice	bulking	tuna	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
1	Tuna sandwich and fresh squeezed fruit juice	bulking	white bread	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich

During	

Add Homemade Food

userID:

```
1
```

mealName:

```
Steak with asparagus and potatoes
```

mealPlanName:

```
regular daily
```

foodName:

```
Steak
```

recipeName:

```
Grilled Beef Steak
```

ingredientName:

```
asparagus
```

groceryStoreName:

```
Costco
```

groceryStoreAddress:

```
9151 Bridgeport Rd, Richmond, BC
```

quantity:

```
1
```

price:

```
1
```

[insert]

After

User ID	Meal Name	Meal Plan Name	Ingredient	Recipe	Grocery Store Name	Grocery Store Address	Food Name
1	Steak with asparagus and potatoes	regular daily	asparagus	Grilled Beef Steak	Costco	9151 Bridgeport Rd, Richmond, BC	Steak
1	Tuna sandwich and fresh squeezed fruit juice	bulking	orange	Fresh squeezed fruit juice recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Fresh squeezed fruit juice
1	Tuna sandwich and fresh squeezed fruit juice	bulking	tuna	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
1	Tuna sandwich and fresh squeezed fruit juice	bulking	white bread	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich

Insert into R14	Screen Shots
SQL Query (found in appService.js from lines 155 to 156)	`INSERT INTO R14 (userID, mealName, mealPlanName, foodName, restaurantName, restaurantAddress)

	VALUES (:userID, :mealName, :mealPlanName, :foodName, :restaurantName, :restaurantAddress)`
Before	
During	

Before table:

User ID	Meal Name	Meal Plan Name	Restaurant Address	Restaurant Name	Food Name
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	French fries
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Asparagus
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Baked potatoes
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Steak
2	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
2	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger

During form:

Add Restaurant Food

userID:
1

mealName:
Beef stir fry noodles

mealPlanName:
regular daily

foodName:
Beef noodle stir fry

restaurantName:
My Home Cuisine

restaurantAddress:
5728 University Blvd B9, Vancouver, BC

insert

	After					

User ID	Meal Name	Meal Plan Name	Restaurant Address	Restaurant Name	Food Name
1	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	French fries
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Asparagus
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Baked potatoes
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Steak
2	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
2	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger

Delete Tuple in R3	Screen Shots
SQL Query (found in appService.js from lines 216 to 217)	`` `DELETE FROM R3 WHERE userID = :userID and mealPlanName = :mealPlanName` ``

Before (R3, R14, and R15, respectively)

User ID	Meal plan name	Duration	Date Created
1	regular daily	49	2023-06-07
1	bulking	49	2023-06-08
1	low fat	49	2023-06-09
2	regular daily	42	2023-06-07
3	bulking	30	2023-11-11
4	low fat	27	2024-01-12
5	regular daily	30	2023-08-15
6	regular daily	30	2023-03-10
7	protein focused	21	2023-05-14
8	international daily	14	2023-12-23

User ID	Meal Name	Meal Plan Name	Restaurant Address	Restaurant Name	Food Name
1	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	French fries
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Asparagus
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Baked potatoes
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Steak
2	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
2	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger

User ID	Meal Name	Meal Plan Name	Ingredient	Recipe	Grocery Store Name	Grocery Store Address	Food Name
1	Tuna sandwich and fresh squeezed fruit juice	bulking	orange	Fresh squeezed fruit juice recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Fresh squeezed fruit juice
1	Tuna sandwich and fresh squeezed fruit juice	bulking	tuna	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
1	Tuna sandwich and fresh squeezed fruit juice	bulking	white bread	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich

During

Delete Tuples in R3

DELETE ON CASCADE is shown in R14 and R15!

userID:

| 1 |

mealPlanName:

| regular daily |

delete

Error deleting data :(

After

User ID	Meal plan name	Duration	Date Created
1	bulking	49	2023-06-08
1	low fat	49	2023-06-09
2	regular daily	42	2023-06-07
3	bulking	30	2023-11-11
4	low fat	27	2024-01-12
5	regular daily	30	2023-08-15
6	regular daily	30	2023-03-10
7	protein focused	21	2023-05-14
8	international daily	14	2023-12-23

User ID	Meal Name	Meal Plan Name	Restaurant Address	Restaurant Name	Food Name
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Asparagus
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Baked potatoes
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Steak
2	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
2	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger

User ID	Meal Name	Meal Plan Name	Ingredient	Recipe	Grocery Store Name	Grocery Store Address	Food Name
1	Tuna sandwich and fresh squeezed fruit juice	bulking	orange	Fresh squeezed fruit juice recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Fresh squeezed fruit juice
1	Tuna sandwich and fresh squeezed fruit juice	bulking	tuna	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
1	Tuna sandwich and fresh squeezed fruit juice	bulking	white bread	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich

Update Tuple in R2	Screen Shots
SQL Query (found in appService.js at line 234)	`UPDATE R2 SET ${columnName} = :newValue WHERE ${columnName} = :oldValue`

Before

User ID	User Name	User Address	Budget	Phone Number	Diet Plan
1	Jennifer	335 Elbing street	150	778-365-7145	10
2	David	1743 Grey Avenue	120	778-563-9865	20
3	Chadwick	8987 Webber street	400	778-451-2333	30
4	Mathew	133 14th street	200	236-446-3535	40
5	Victoria	8763 cross drive	600	778-867-9025	50
6	Ethan	5418 cross drive	260	604-379-6581	60
7	Peggy	687 14th Avenue East	350	778-981-3630	70
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80

During

Update Attributes in R2

If you try to update a primary key, it will throw an error!

Column Name:

`budget`

Old Value:

`150`

New Value:

`200`

update

After

User ID	User Name	User Address	Budget	Phone Number	Diet Plan
1	Jennifer	335 Elbing street	200	778-365-7145	10
2	David	1743 Grey Avenue	120	778-563-9865	20
3	Chadwick	8987 Webber street	400	778-451-2333	30
4	Mathew	133 14th street	200	236-446-3535	40
5	Victoria	8763 cross drive	600	778-867-9025	50
6	Ethan	5418 cross drive	260	604-379-6581	60
7	Peggy	687 14th Avenue East	350	778-981-3630	70
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80

Project by Columns	Screen Shots
SQL Query (found in appService.js from lines 89)	`` `SELECT ${columnName} FROM ${tableName}` ``
Before	
During	
After	

Selection Query	Screen Shots
SQL Query (found in appService.js at line 103)	`` `SELECT * FROM R2 WHERE ${conditional}` ``

Before table contents:

User ID	User Name	User Address	Budget	Phone Number	Diet Plan
1	Jennifer	335 Elbing street	200	778-365-7145	10
2	David	1743 Grey Avenue	120	778-563-9865	20
3	Chadwick	8987 Webber street	400	778-451-2333	30
4	Mathew	133 14th street	200	236-446-3535	40
5	Victoria	8763 cross drive	600	778-867-9025	50
6	Ethan	5418 cross drive	260	604-379-6581	60
7	Peggy	687 14th Avenue East	350	778-981-3630	70
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80

During:

Project Table

Try typing "R2" and "userid, uname" into table name and column names respectively and anything in conditional.

Table Name:
r2

Column Names:
uname, userid

filter

Table projected successfully!

After:

Project Table

uname	userid
Jennifer	1
David	2
Chadwick	3
Mathew	4
Victoria	5
Ethan	6
Peggy	7
Cindy	8

Try typing "R2" and "userid, uname" into table name and column names respectively and anything in conditional.

Table Name:
R2

Column Names:
uname, userid

filter

Table projected successfully!

Before	<table><tr><td>User ID</td><td>User Name</td><td>User Address</td><td>Budget</td><td>Phone Number</td><td>Diet Plan</td></tr></table>

User ID	**User Name**	**User Address**	**Budget**	**Phone Number**	**Diet Plan**	
1	Jennifer	335 Elbing street	200	778-365-7145	10	
2	David	1743 Grey Avenue	120	778-563-9865	20	
3	Chadwick	8987 Webber street	400	778-451-2333	30	
4	Mathew	133 14th street	200	236-446-3535	40	
5	Victoria	8763 cross drive	600	778-867-9025	50	
6	Ethan	5418 cross drive	260	604-379-6581	60	
7	Peggy	687 14th Avenue East	350	778-981-3630	70	
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80	

During

Conditional:

[filter]

Table selected from successfully!

After

User ID	**User Name**	**User Address**	**Budget**	**Phone Number**	**Diet Plan**
3	Chadwick	8987 Webber street	400	778-451-2333	30
5	Victoria	8763 cross drive	600	778-867-9025	50
6	Ethan	5418 cross drive	260	604-379-6581	60
7	Peggy	687 14th Avenue East	350	778-981-3630	70
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80

Group By with Aggregation Query	Screenshots
SQL Query (found in appService.js from line 257)	SELECT mealPlanName AS "Meal Plan Name", MAX(totalCalories) AS "Max Meal Calories" FROM (SELECT mealPlanName, mealName, SUM(nutritionalFactTotalCalories) as totalCalories FROM R14 INNER JOIN R6 ON R14.foodName = R6.foodName WHERE R14.userId = :userId GROUP BY mealPlanName, mealName) GROUP BY mealPlanName'

Before

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

| R1 | R2 | R3 | R4 | R5 | R6 | R7 |
| R8 | R9 | R10 | R11 | R12 | R14 | R15 |

User ID	Meal Name	Meal Plan Name	Restaurant Address	Restaurant Name	Food Name
1	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger
1	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	French fries
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Asparagus
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Baked potatoes
1	Steak with asparagus and potatoes	bulking	4460 W 10th Ave, Vancouver, BC V6R 2H9	Bella Roma Pizzeria and Ristorante	Steak
2	Beef stir fry noodles	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Beef noodle stir fry
2	Burger and Fries	regular daily	5728 University Blvd B9, Vancouver, BC	My Home Cuisine	Burger

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

R1 R2 R3 R4 R5 R6 R7
R8 R9 R10 R11 R12 R14 R15

Nutritional Fact Name	Total Sugars (g)	Total Fats (g)	Total Proteins (g)	Total Calories	Food Name
French toast	1	1	1	4	French toast
Bibimbap	1	1	1	12	Bibimbap
Kimchi	1	1	1	1	Kimchi
Lasgna	1	1	1	15	Lasgna
Garlic bread	1	1	1	3	Garlic bread
Steak	1	1	1	500	Steak
Asparagus	1	1	1	50	Asparagus
Baked potatoes	1	1	1	75	Baked potatoes
Caesar salad	1	1	1	6	Caesar salad
Roast chicken breast	1	1	1	8	Roast chicken breast
Greek yogurt	1	1	1	4	Greek yogurt
Roast oats	1	1	1	2	Roast oats
Beef noodle stir fry	1	1	1	350	Beef noodle stir fry
Kimchi fried rice	1	1	1	12	Kimchi fried rice
Pickled radish	1	1	1	2	Pickled radish
Burger	1	1	1	450	Burger
French fries	1	1	1	200	French fries
Carbonara	1	1	1	12	Carbonara
Lemonade	1	1	1	2	Lemonade
French onion soup	1	1	1	12	French onion soup
Baguette	1	1	1	2	Baguette

Lemonade	1	1	1	2	Lemonade
French onion soup	1	1	1	12	French onion soup
Baguette	1	1	1	2	Baguette
Crispy char siu	1	1	1	12	Crispy char siu
Soy sauce chicken	1	1	1	12	Soy sauce chicken
Steamed rice	1	1	1	2	Steamed rice
Baby back ribs	1	1	1	29	Baby back ribs
Peking duck	1	1	1	40	Peking duck
Steamed pancake	1	1	1	3	Steamed pancake
Vegetable stir fry	1	1	1	10	Vegetable stir fry
Fruit smoothie	1	1	1	5	Fruit smoothie
Tuna sandwich	1	1	1	8	Tuna sandwich
Fresh squeezed fruit juice	1	1	1	5	Fresh squeezed fruit juice
Pasta salad	1	1	1	6	Pasta salad
Korean fried chicken	1	1	1	19	Korean fried chicken
Beer	1	1	1	4	Beer

During

Get highest calories for a meal in each meal plan

User ID:

1

Get Grouping Result

Table of Highest Calories in Each Meal Plan Below

After	
	Get highest calories for a meal in each meal plan User ID: `1` [Get Grouping Result] Grouping with aggregation executed successfully! **Table of Highest Calories in Each Meal Plan Below** | Meal Plan Name	Max Meal Calories | |---|---| | bulking | 625 | | regular daily | 650 |

Division Query	Screenshots
SQL Query (found in appService.js from line 273)	SELECT DISTINCT R12_1.groceryStoreName AS "Grocery Store Name", R12_1.groceryStoreAddress AS "Grocery Store Address" FROM R12 R12_1 WHERE R12_1.ingredientName NOT IN (SELECT DISTINCT R12_2.ingredientName FROM R12 R12_2 WHERE R12_2.ingredientName NOT IN (SELECT R15.ingredientName FROM R15 WHERE R15.userid = :userId))'

Before

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

[R1] [R2] [R3] [R4] [R5] [R6] [R7]
[R8] [R9] [R10] [R11] [R12] [R14] [R15]

Grocery Store Name	Grocery Store Address	Ingredient	Price
Costco	605 Expo Blvd, Vancouver, BC	greek yogurt	5
Save On Foods	5945 Berton Ave, Vancouver, BC	steak	20
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	potato	1
Safeway	2733 W Broadway, Vancouver, BC	lettuce	2
Costco	9151 Bridgeport Rd, Richmond, BC	steak	15
Costco	9151 Bridgeport Rd, Richmond, BC	asparagus	3
Costco	9151 Bridgeport Rd, Richmond, BC	ranch	3
Costco	9151 Bridgeport Rd, Richmond, BC	tuna	10
Costco	9151 Bridgeport Rd, Richmond, BC	white bread	3
Costco	9151 Bridgeport Rd, Richmond, BC	orange	3
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	tuna	1
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	white bread	1
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	orange	1

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

[R1] [R2] [R3] [R4] [R5] [R6] [R7]
[R8] [R9] [R10] [R11] [R12] [R14] [R15]

User ID	Meal Name	Meal Plan Name	Ingredient	Recipe	Grocery Store Name	Grocery Store Address	Food Name
1	Tuna sandwich and fresh squeezed fruit juice	bulking	orange	Fresh squeezed fruit juice recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Fresh squeezed fruit juice
1	Tuna sandwich and fresh squeezed fruit juice	bulking	tuna	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
1	Tuna sandwich and fresh squeezed fruit juice	bulking	white bread	Tuna sandwich recipe	Costco	9151 Bridgeport Rd, Richmond, BC	Tuna sandwich
2	Burger and Fries	regular daily	ground beef	Burger and Fries	Safeway	2733 W Broadway, Vancouver, BC	Burger
2	Burger and Fries	regular daily	potato	Burger and Fries	Safeway	2733 W Broadway, Vancouver, BC	French fries
2	Burger and Fries	regular daily	white bread	Burger and Fries	Safeway	2733 W Broadway, Vancouver, BC	Burger

During

Find grocery stores with all ingredients

User ID:

[1|] ⇕

[Find Stores]

Division Table Below

After	
	Find grocery stores with all ingredients User ID: | 1 | [Find Stores] Division query executed successfully! **Division Table Below** | Grocery Store Name	Grocery Store Address
Costco	9151 Bridgeport Rd, Richmond, BC
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	

Join Query	Screenshots
SQL Query (found in appService.js from line 286)	SELECT * FROM R2 JOIN R1 USING (nutritionalReqID)
Before	**Display Table** Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here. [R1] [R2] [R3] [R4] [R5] [R6] [R7] [R8] [R9] [R10] [R11] [R12] [R14] [R15] See table below

Nutritional Req ID	Total Sugars (g)	Total Fats (g)	Total Proteins (g)	Total Calories
156	250	40	48	1700
10	300	55	70	2400
20	483	65	280	3400
30	367	46	211	2400
40	280	44	120	2000
50	275	50	100	2400
60	225	49	60	1900
70	210	43	120	1800
80	210	43	120	1800

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

R1	R2	R3	R4	R5	R6	R7
R8	R9	R10	R11	R12	R14	R15

User ID	User Name	User Address	Budget	Phone Number	Diet Plan
1	Jennifer	335 Elbing street	150	778-365-7145	10
2	David	1743 Grey Avenue	120	778-563-9865	20
3	Chadwick	8987 Webber street	400	778-451-2333	30
4	Mathew	133 14th street	200	236-446-3535	40
5	Victoria	8763 cross drive	600	778-867-9025	50
6	Ethan	5418 cross drive	260	604-379-6581	60
7	Peggy	687 14th Avenue East	350	778-981-3630	70
8	Cindy	8763 Sexsmith drive	300	236-856-7975	80

During

Show Joined tables

nutritionID	userID	name	address	budget	phone	requiredSugars	requiredFats	requiredProteins	requiredCalories

refresh

After	

Show Joined tables

nutritionID	userID	name	address	budget	phone	requiredSugars	requiredFats	requiredProteins	requiredCalories
10	1	Jennifer	335 Elbing street	150	778-365-7145	300	55	70	2400
20	2	David	1743 Grey Avenue	120	778-563-9865	483	65	280	3400
30	3	Chadwick	8987 Webber street	400	778-451-2333	367	46	211	2400
40	4	Mathew	133 14th street	200	236-446-3535	280	44	120	2000
50	5	Victoria	8763 cross drive	600	778-867-9025	275	50	100	2400
60	6	Ethan	5418 cross drive	260	604-379-6581	225	49	60	1900
70	7	Peggy	687 14th Avenue East	350	778-981-3630	210	43	120	1800
80	8	Cindy	8763 Sexsmith drive	300	236-856-7975	210	43	120	1800

refresh

Aggregation with Having Query	Screenshots
SQL Query (found in appService.js from line 297)	SELECT groceryStoreName, groceryStoreAddress FROM R12 GROUP BY groceryStoreName, groceryStoreAddress HAVING SUM(price) > :amount'

	Before

Display Table

Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

R1 R2 R3 R4 R5 R6 R7
R8 R9 R10 R11 R12 R14 R15

Grocery Store Name	Grocery Store Address	Ingredient	Price
Costco	605 Expo Blvd, Vancouver, BC	greek yogurt	5
Save On Foods	5945 Berton Ave, Vancouver, BC	steak	20
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	potato	1
Safeway	2733 W Broadway, Vancouver, BC	lettuce	2
Costco	9151 Bridgeport Rd, Richmond, BC	steak	15
Costco	9151 Bridgeport Rd, Richmond, BC	asparagus	3
Costco	9151 Bridgeport Rd, Richmond, BC	ranch	3
Costco	9151 Bridgeport Rd, Richmond, BC	tuna	10
Costco	9151 Bridgeport Rd, Richmond, BC	white bread	3
Costco	9151 Bridgeport Rd, Richmond, BC	orange	3
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	tuna	1
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	white bread	1
Real Canadian Superstore	3185 Grandview Hwy, Vancouver, BC	orange	1

During

Show stores with shopping list greater than amount

Grocery Store Name	Grocery Store Address

Insert amount

Amount greater than:

10

submit

After	
	Show stores with shopping list greater than amount
		Grocery Store Name	Grocery Store Address	
	|---|---|
		Costco	9151 Bridgeport Rd, Richmond, BC	
		Save On Foods	5945 Berton Ave, Vancouver, BC	
	Insert amount
	Amount greater than:
	10
	submit

Nested Aggregation with Group By Query	Screenshots
SQL Query (found in appService.js from line 311)	SELECT MAX(avg_diningTime) FROM (SELECT mealCuisine, AVG(diningTime) AS avg_diningTime FROM R4 GROUP BY mealCuisine)'

Before	**Display Table**
	Click on any of the buttons below to see that table's contents! Any button clicks will also be shown here.

Meal Name	Dining Time	Meal Cuisine
Steak with asparagus and potatoes	40	Italian
Caesar salad with chicken breast	25	American
Beef stir fry noodles	30	Chinese
Kimchi fried rice	20	Korean
Burger and Fries	25	American
French toast	15	French
Bibimbap and kimchi	25	Korean
Lasagna and garlic bread	25	Italian
Carbonara and lemonade	25	Italian
French onion soup and baguette	25	French
Crispy char siu and soy sauce chicken over rice	30	Chinese
Baby back ribs with fries	30	American
Peking duck with steamed pancake and stir fried vegetables	30	Chinese
Fruit smoothie and oats	5	American
Tuna sandwich and fresh squeezed fruit juice	15	American
Pasta salad and lemonade	15	Italian
Korean fried chicken and beer	25	Korean

During

Find maximum average dining time across all meal categories

maximum average dining time in minutes

get value

After	
	Find maximum average dining time across all meal categories 30 get value

APPENDIX: Data present in each relation

```
SQL> SELECT * FROM R1;

NUTRITIONALREQID NUTRITIONALREQTOTALSUGARS NUTRITIONALREQTOTALFATS
---------------- ------------------------- -----------------------
NUTRITIONALREQTOTALPROTEINS NUTRITIONALREQTOTALCALORIES
--------------------------- ---------------------------
             156                       250                      40
                         48                        1700

               1                       300                      55
                         70                        2400

               2                       483                      65
                        280                        3400


NUTRITIONALREQID NUTRITIONALREQTOTALSUGARS NUTRITIONALREQTOTALFATS
---------------- ------------------------- -----------------------
NUTRITIONALREQTOTALPROTEINS NUTRITIONALREQTOTALCALORIES
--------------------------- ---------------------------
               3                       367                      46
                        211                        2400

               4                       280                      44
                        120                        2000

               5                       275                      50
                        100                        2400


NUTRITIONALREQID NUTRITIONALREQTOTALSUGARS NUTRITIONALREQTOTALFATS
---------------- ------------------------- -----------------------
NUTRITIONALREQTOTALPROTEINS NUTRITIONALREQTOTALCALORIES
--------------------------- ---------------------------
               6                       225                      49
                         60                        1900

               7                       210                      43
                        120                        1800

               8                       210                      43
                        120                        1800
```

```
SQL> SELECT * FROM R2;

    USERID UNAME
---------- ------------------------------------------------
UADDRESS
--------------------------------------------------------------------------------
    BUDGET PHONE           NUTRITIONALREQID
---------- ------------- ----------------
         1 Jennifer
335 Elbing street
       150 778-365-7145                 1

         2 David
1743 Grey Avenue
       120 778-563-9865                 2

    USERID UNAME
---------- ------------------------------------------------
UADDRESS
--------------------------------------------------------------------------------
    BUDGET PHONE           NUTRITIONALREQID
---------- ------------- ----------------

         3 Chadwick
8987 Webber street
       400 778-451-2333                 3

         4 Mathew
133 14th street

    USERID UNAME
---------- ------------------------------------------------
UADDRESS
--------------------------------------------------------------------------------
    BUDGET PHONE           NUTRITIONALREQID
---------- ------------- ----------------
       200 236-446-3535                 4

         5 Victoria
8763 cross drive
       600 778-867-9025                 5

         6 Ethan

    USERID UNAME
---------- ------------------------------------------------
UADDRESS
--------------------------------------------------------------------------------
    BUDGET PHONE           NUTRITIONALREQID
---------- ------------- ----------------
5418 cross drive
       260 604-379-6581                 6

         7 Peggy
687 14th Avenue East
       350 778-981-3630                 7


    USERID UNAME
---------- ------------------------------------------------
UADDRESS
--------------------------------------------------------------------------------
    BUDGET PHONE           NUTRITIONALREQID
---------- ------------- ----------------
         8 Cindy
8763 Sexsmith drive
       300 236-856-7975                 8


8 rows selected.
```

```
SQL> SELECT * FROM R3;

    USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------------
         1
regular daily
        49
2023-06-07


    USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------------
         2
regular daily
        42
2023-06-07


    USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------------
         3
bulking
        30
2023-11-11
```

```
     USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------
         3
bulking
        30
2023-11-11


     USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------
         4
low fat
        27
2024-01-12


     USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------
         5
regular daily
        30
2023-08-15


     USERID
----------
MEALPLANNAME
--------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
--------------------------------------------------------------------------
         6
regular daily
        30
2023-03-10


     USERID
----------
```

```
-------------------------------------------------------------------------
         6
regular daily
        30
2023-03-10


    USERID
----------
MEALPLANNAME
-------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
-------------------------------------------------------------------------
         7
protein focused
        21
2023-05-14


    USERID
----------
MEALPLANNAME
-------------------------------------------------------------------------
  DURATION
----------
MEALPLANDATE
-------------------------------------------------------------------------
         8
international daily
        14
2023-12-23


8 rows selected.
```

```
SQL> SELECT * FROM R4;

MEALNAME
--------------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
--------------------------------------------------------------------------------
Steak with asparagus and potatoes
        40
Italian

Caesar salad with chicken breast
        25
American

MEALNAME
--------------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
--------------------------------------------------------------------------------

Beef stir fry noodles
        30
Chinese

Kimchi fried rice
        20

MEALNAME
--------------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
--------------------------------------------------------------------------------
Korean

Burger and Fries
        25
American

French toast

MEALNAME
--------------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
--------------------------------------------------------------------------------
        15
French

Bibimbap and kimchi
        25
Korean
```

```
-----------------------------------------------------------
        15
French

Bibimbap and kimchi
        25
Korean


MEALNAME
-----------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-----------------------------------------------------------------------------
Lasagna and garlic bread
        25
Italian

Carbonara and lemonade
        25
Italian

MEALNAME
-----------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-----------------------------------------------------------------------------

French onion soup and baguette
        25
French

Crispy char siu and soy sauce chicken over rice
        30

MEALNAME
-----------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-----------------------------------------------------------------------------
Chinese

Baby back ribs with fries
        30
American

Peking duck with steamed pancake and stir fried vegetables

MEALNAME
-----------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
```

```
Chinese

Baby back ribs with fries
        30
American

Peking duck with steamed pancake and stir fried vegetables

MEALNAME
-------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-------------------------------------------------------------------------
        30
Chinese

Fruit smoothie and oats
         5
American


MEALNAME
-------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-------------------------------------------------------------------------
Tuna sandwich and fresh squeezed fruit juice
        15
American

Pasta salad and lemonade
        15
Italian

MEALNAME
-------------------------------------------------------------------------
DININGTIME
----------
MEALCUISINE
-------------------------------------------------------------------------

Korean fried chicken and beer
        25
Korean
```

```
SQL> SELECT * FROM R5;

FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
French toast
         4
French toast
                    15


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Bibimbap
        12
Bibimbap
                    30


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Kimchi
         1
Kimchi
                     0


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Lasgna
        15
Lasgna
        10
```

```
   DISCOUNT TIMEREQUIRED
---------- -----------
Lasgna
        15
Lasgna
        10


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Garlic bread
         3
Garlic bread
        10


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Steak
        20
Steak
                    30


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Asparagus
         3
Asparagus
                    12


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
```

```
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Asparagus
          3
Asparagus
                      12


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Baked potatoes
          4
Baked potatoes
                      20


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Caesar salad
          6
Caesar salad
                      10


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Roast chicken breast
          8
Roast chicken breast
                      15


FOODNAME
----------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
----------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Greek yogurt
```

```
-------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Greek yogurt
         4
Greek yogurt
                   0


FOODNAME
-------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Roast oats
         2
Roast oats
                  10


FOODNAME
-------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Beef noodle stir fry
        10
Beef noodle stir fry
        15


FOODNAME
-------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Kimchi fried rice
        12
Kimchi fried rice
                  30


FOODNAME
-------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
```

```
     FOODCOST
  ----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Kimchi fried rice
        12
Kimchi fried rice
                 30


FOODNAME
-----------------------------------------------------------------------
     FOODCOST
  ----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Pickled radish
         2
Pickled radish
                  0


FOODNAME
-----------------------------------------------------------------------
     FOODCOST
  ----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Burger
         6
Burger
                 20


FOODNAME
-----------------------------------------------------------------------
     FOODCOST
  ----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
French fries
         4
French fries
                 30


FOODNAME
-----------------------------------------------------------------------
     FOODCOST
  ----------
NUTRITIONALFACTNAME
```

```
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
French fries
         4
French fries
                  30


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Carbonara
        12
Carbonara
        10


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Lemonade
         2
Lemonade
                  5


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
French onion soup
        12
French onion soup
         0


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
```

```
          ----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
French onion soup
         12
French onion soup
          0


FOODNAME
-----------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Baguette
          2
Baguette
         30


FOODNAME
-----------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Soy sauce chicken
         12
Soy sauce chicken
         10


FOODNAME
-----------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- ------------
Steamed rice
          2
Steamed rice
         10


FOODNAME
-----------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
-----------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
```

```
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Steamed rice
         2
Steamed rice
        10


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Baby back ribs
        29
Baby back ribs
         0


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Crispy char siu
        12
Crispy char siu
        10


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Peking duck
        40
Peking duck
        10


FOODNAME
--------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
```

```
NUTRITIONALFACTNAME
------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Peking duck
        40
Peking duck
        10


FOODNAME
------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Steamed pancake
          3
Steamed pancake
        10


FOODNAME
------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Vegetable stir fry
        10
Vegetable stir fry
        10


FOODNAME
------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
Fruit smoothie
         5
Fruit smoothie
                 10


FOODNAME
------------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
------------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- -----------
```

```
---------- -----------
Fruit smoothie
         5
Fruit smoothie
                   10


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Tuna sandwich
         8
Tuna sandwich
                   12


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Fresh squeezed fruit juice
         5
Fresh squeezed fruit juice
                   15


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Pasta salad
         6
Pasta salad
                   20


FOODNAME
--------------------------------------------------------------------------------
   FOODCOST
----------
NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
   DISCOUNT TIMEREQUIRED
---------- -----------
Korean fried chicken
```

```
FOODNAME
---------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
---------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Korean fried chicken
        19
Korean fried chicken
        15


FOODNAME
---------------------------------------------------------------------------
  FOODCOST
----------
NUTRITIONALFACTNAME
---------------------------------------------------------------------------
  DISCOUNT TIMEREQUIRED
---------- ------------
Beer
         4
Beer
         0


34 rows selected.
```

```
SQL> SELECT * FROM R6;

NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
French toast
                           1                          1                        1
                           4
French toast


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Bibimbap
                           1                          1                        1
                          12
Bibimbap


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Kimchi
                           1                          1                        1
                           1
Kimchi


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Lasgna
                           1                          1                        1
                          15
Lasgna
```

```
-------------------------
FOODNAME
-------------------------------------------------------------------------------
Lasgna
                                1                        1                        1
                               15
Lasgna


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- -------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
-------------------------------------------------------------------------------
Garlic bread
                                1                        1                        1
                                3
Garlic bread


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- -------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
-------------------------------------------------------------------------------
Steak
                                1                        1                        1
                               20
Steak


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- -------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
-------------------------------------------------------------------------------
Asparagus
                                1                        1                        1
                                3
Asparagus


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- -------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
-------------------------------------------------------------------------------
Baked potatoes
```

```
--------------------------------
FOODNAME
----------------------------------------------------------------------------------------------------
Baked potatoes
                                    1                        1                        1
                                    4
Baked potatoes


NUTRITIONALFACTNAME
----------------------------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
----------------------------------------------------------------------------------------------------
Caesar salad
                                    1                        1                        1
                                    6
Caesar salad


NUTRITIONALFACTNAME
----------------------------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
----------------------------------------------------------------------------------------------------
Roast chicken breast
                                    1                        1                        1
                                    8
Roast chicken breast


NUTRITIONALFACTNAME
----------------------------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
----------------------------------------------------------------------------------------------------
Greek yogurt
                                    1                        1                        1
                                    4
Greek yogurt


NUTRITIONALFACTNAME
----------------------------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
----------------------------------------------------------------------------------------------------
Roast oats
```

```
FOODNAME
------------------------------------------------------------------------------
Roast oats
                          1                        1                        1
                          2
Roast oats


NUTRITIONALFACTNAME
------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
------------------------------------------------------------------------------
Beef noodle stir fry
                          1                        1                        1
                          10
Beef noodle stir fry


NUTRITIONALFACTNAME
------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
------------------------------------------------------------------------------
Kimchi fried rice
                          1                        1                        1
                          12
Kimchi fried rice


NUTRITIONALFACTNAME
------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
------------------------------------------------------------------------------
Pickled radish
                          1                        1                        1
                          2
Pickled radish


NUTRITIONALFACTNAME
------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
------------------------------------------------------------------------------
Burger
```

```
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Burger
                           1                          1                        1
                           6
Burger


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
French fries
                           1                          1                        1
                           4
French fries


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Carbonara
                           1                          1                        1
                          12
Carbonara


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Lemonade
                           1                          1                        1
                           2
Lemonade


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
```

```
---------------------------------------------------------------------
Lemonade
                            1                         1                         1
                            2
Lemonade


NUTRITIONALFACTNAME
---------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
--------------------------- ------------------------- -----------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
---------------------------------------------------------------------
French onion soup
                            1                         1                         1
                            12
French onion soup


NUTRITIONALFACTNAME
---------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
--------------------------- ------------------------- -----------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
---------------------------------------------------------------------
Baguette
                            1                         1                         1
                            2
Baguette


NUTRITIONALFACTNAME
---------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
--------------------------- ------------------------- -----------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
---------------------------------------------------------------------
Crispy char siu
                            1                         1                         1
                            12
Crispy char siu


NUTRITIONALFACTNAME
---------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
--------------------------- ------------------------- -----------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
---------------------------------------------------------------------
Soy sauce chicken
                            1                         1                         1
                            12
```

```
Soy sauce chicken
                                    1                        1                        1
                                   12
Soy sauce chicken


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
--------------------------------------------------------------------------------
Steamed rice
                                    1                        1                        1
                                    2
Steamed rice


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
--------------------------------------------------------------------------------
Baby back ribs
                                    1                        1                        1
                                   29
Baby back ribs


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
--------------------------------------------------------------------------------
Peking duck
                                    1                        1                        1
                                   40
Peking duck


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- ------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
--------------------------------------------------------------------------------
Steamed pancake
                                    1                        1                        1
                                    3
Steamed pancake
```

```
                              1                        1                        1
                              3
Steamed pancake


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Vegetable stir fry
                              1                        1                        1
                             10
Vegetable stir fry


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Fruit smoothie
                              1                        1                        1
                              5
Fruit smoothie


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Tuna sandwich
                              1                        1                        1
                              8
Tuna sandwich


NUTRITIONALFACTNAME
--------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
---------------------------
FOODNAME
--------------------------------------------------------------------------------
Fresh squeezed fruit juice
                              1                        1                        1
                              5
Fresh squeezed fruit juice
```

```
-------------------------------------------------------------------------------
Fresh squeezed fruit juice
                             1                        1                        1
                             5
Fresh squeezed fruit juice


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
-------------------------------------------------------------------------------
Pasta salad
                             1                        1                        1
                             6
Pasta salad


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
-------------------------------------------------------------------------------
Korean fried chicken
                             1                        1                        1
                             19
Korean fried chicken


NUTRITIONALFACTNAME
-------------------------------------------------------------------------------
NUTRITIONALFACTTOTALPROTEINS NUTRITIONALFACTTOTALSUGARS NUTRITIONALFACTTOTALFATS
---------------------------- -------------------------- ------------------------
NUTRITIONALFACTTOTALCALORIES
----------------------------
FOODNAME
-------------------------------------------------------------------------------
Beer
                             1                        1                        1
                             4
Beer


34 rows selected.
```

```
SQL> SELECT * FROM R7;

RECIPENAME
--------------------------------------------------------------------------------
INSTRUCTIONS
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
Grilled Beef Steak
Grill steaks in a hot pan for 8 minutes then cover steak with tin foil to rest.
Steak


Caesar Salad
Wash and cut lettuce into bite size pieces; add croutons and ranch dressing and
mix well. Optional topping of olives, bacon bits, cheese.


RECIPENAME
--------------------------------------------------------------------------------
INSTRUCTIONS
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
Caesar salad


Greek yogurt and oats Recipe
Slightly roast oats in the oven then in a bowl put in jam, greek yogurt, diced f
ruits of choice and oats when cooked to golden brown and rested to room temperat
ure.
Greek yogurt


RECIPENAME
--------------------------------------------------------------------------------
INSTRUCTIONS
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------

Burger and Fries
Form a ball with ground beef before flattening, then put patty on pan at medium
heat until brown. Turn off the stove and place a piece of american cheese and so
me onions on top of the patty. Put desired condiments and sliced vegetables on a
 bun and serve with fries.
Burger


RECIPENAME
--------------------------------------------------------------------------------
INSTRUCTIONS
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------

French toast Recipe
Create an egg wash by adding two eggs, vanilla extract and cinnamon into a bowl.
 Heat up the pan and place a small slice of butter. Dip toast in egg wash and fr
y until golden brown. Add condensed milk as topping before serving.
```

French toast Recipe
Create an egg wash by adding two eggs, vanilla extract and cinnamon into a bowl.
 Heat up the pan and place a small slice of butter. Dip toast in egg wash and fr
y until golden brown. Add condensed milk as topping before serving.
French toast

RECIPENAME

INSTRUCTIONS

FOODNAME

Kimchi fried rice Recipe
Heat up skillet, stir fry kimchi until fragrant. Add rice, kimchi juice, water,
gouchujang, beef slices and stir fry over medium heat for 7 minutes. Garnish wit
h green onion, seaweed and sesame seeds and serve right away.
Kimchi fried rice

Tuna sandwich recipe

RECIPENAME

INSTRUCTIONS

FOODNAME

Toast two slices of preferred bread, pour can of tuna, mayonnaise, celery, onion
, relish and roast garlic into a bowl and mix well. spread mix between toasted b
read and serve
Tuna sandwich

Fruit smoothie recipe
Add half scoop of protein powder, a banana, a cup of greek yogurt, ice and a pre

RECIPENAME

INSTRUCTIONS

FOODNAME
----
ferred amount of strawberries, blueberries and blend well to serve.
Fruit smoothie

Pasta salad recipe
Cook pasta until al dante then run over cold water to prevent overcooking. chop
up some tomatoes, bell peppers, onions, cucumbers. Mix all ingredients well and
sprinkle a choice of cheese and some Italian dressing.

RECIPENAME

INSTRUCTIONS

FOODNAME

Pasta salad

```
RECIPENAME
-----------------------------------------------------------------------
INSTRUCTIONS
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
ferred amount of strawberries, blueberries and blend well to serve.
Fruit smoothie

Pasta salad recipe
Cook pasta until al dante then run over cold water to prevent overcooking. chop
up some tomatoes, bell peppers, onions, cucumbers. Mix all ingredients well and
sprinkle a choice of cheese and some Italian dressing.

RECIPENAME
-----------------------------------------------------------------------
INSTRUCTIONS
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
Pasta salad


9 rows selected.
```

```
SQL> SELECT * FROM R8;

RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
Togo Sushi
3380 Shrum Lane, Vancouver, BC
           3.7
Japanese


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
Mercante
6488 University Blvd, Vancouver, BC
             4
Italian


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
My Home Cuisine
5728 University Blvd B9, Vancouver, BC
            4.1
Chinese


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
The Corner Kitchen
115-5743 Dalhousie Rd, Vancouver, BC
```

```
--------------------------------------------------------------------------------
RESTAURANTRATING
----------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
The Corner Kitchen
115-5743 Dalhousie Rd, Vancouver, BC
            4.1
Korean


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
----------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
McDonalds
5728 University Blvd #101, Vancouver, BC
            3.4
American


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
----------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
Chicko Chicken
6023 West Blvd, Vancouver, BC V6M 3X2
            4.2
Korean


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
----------------
RESTAURANTCUISINE
--------------------------------------------------------------------------------
Bella Roma Pizzeria and Ristorante
4460 W 10th Ave, Vancouver, BC V6R 2H9
            4.3
Italian


RESTAURANTNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTRATING
----------------
RESTAURANTCUISINE
```

```
RESTAURANTNAME
-------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
-------------------------------------------------------------------------
Bella Roma Pizzeria and Ristorante
4460 W 10th Ave, Vancouver, BC V6R 2H9
            4.3
Italian


RESTAURANTNAME
-------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------
RESTAURANTRATING
---------------
RESTAURANTCUISINE
-------------------------------------------------------------------------
Smoke and Bones BBQ
999 Marine Dr, North Vancouver, BC V7P 1S4
            4.4
American


8 rows selected.
```

```
SQL> SELECT * FROM R9;

INGREDIENTNAME
--------------------------------------------------------------------------------
CATEGORY
--------------------------------------------------------------------------------
asparagus
vegetable

greek yogurt
dairy

steak
meat


INGREDIENTNAME
--------------------------------------------------------------------------------
CATEGORY
--------------------------------------------------------------------------------
potato
vegetable

lettuce
vegetable

kimchi
preserved vegetables


INGREDIENTNAME
--------------------------------------------------------------------------------
CATEGORY
--------------------------------------------------------------------------------
pickled radish
preserved vegetables

butter
dairy

milk
dairy


INGREDIENTNAME
--------------------------------------------------------------------------------
CATEGORY
--------------------------------------------------------------------------------
ground beef
meat

beef short rib
meat

New York strip
meat
```

```
beef short rib
meat

New York strip
meat


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
tuna
fish

orange
fruit

penne
pasta


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
blueberry
fruit

strawberry
fruit

salt
condiment


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
Italian dressing
condiment

gochujang
condiment

onion
vegetables


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
cucumber
vegetables

egg
poultry
```

```
INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
cucumber
vegetables

egg
poultry

cheddar cheese
dairy


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
multi-grain bread
bread

white bread
bread

mayonnaise
condiment


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
relish
condiment

garlic
vegetables

tomato
vegetables


INGREDIENTNAME
-------------------------------------------------------------------------
CATEGORY
-------------------------------------------------------------------------
ranch
dressing


31 rows selected.
```

```
SQL> SELECT * FROM R10;

INGREDIENTNAME
--------------------------------------------------------------------------------
RECIPENAME
--------------------------------------------------------------------------------
  QUANTITY
----------
ground beef
Burger and Fries
       100

potato
Burger and Fries
       150

INGREDIENTNAME
--------------------------------------------------------------------------------
RECIPENAME
--------------------------------------------------------------------------------
  QUANTITY
----------

white bread
Burger and Fries
       100

lettuce
Burger and Fries

INGREDIENTNAME
--------------------------------------------------------------------------------
RECIPENAME
--------------------------------------------------------------------------------
  QUANTITY
----------
       200

tomato
Burger and Fries
        50
```

```
SQL> SELECT * FROM R11;

GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
OPENHOURS
--------------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Costco
9151 Bridgeport Rd, Richmond, BC
9:00-20:30
              4.1


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
OPENHOURS
--------------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Costco
605 Expo Blvd, Vancouver, BC
9:00-20:30
              4.3


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
OPENHOURS
--------------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Save On Foods
5945 Berton Ave, Vancouver, BC
7:00-22:00
              3.9


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
OPENHOURS
--------------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Real Canadian Superstore
3185 Grandview Hwy, Vancouver, BC
```

```
GROCERYSTORENAME
-------------------------------------------------------------------------
GROCERYSTOREADDRESS
-------------------------------------------------------------------------
OPENHOURS
-------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Save On Foods
5945 Berton Ave, Vancouver, BC
7:00-22:00
              3.9


GROCERYSTORENAME
-------------------------------------------------------------------------
GROCERYSTOREADDRESS
-------------------------------------------------------------------------
OPENHOURS
-------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Real Canadian Superstore
3185 Grandview Hwy, Vancouver, BC
7:00-23:00
              4.1


GROCERYSTORENAME
-------------------------------------------------------------------------
GROCERYSTOREADDRESS
-------------------------------------------------------------------------
OPENHOURS
-------------------------------------------------------------------------
GROCERYSTORERATING
-----------------
Safeway
2733 W Broadway, Vancouver, BC
7:00-23:00
              4.1
```

```
SQL> SELECT * FROM R12;

GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Costco
9151 Bridgeport Rd, Richmond, BC
asparagus
         3


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Costco
605 Expo Blvd, Vancouver, BC
greek yogurt
         5


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Save On Foods
5945 Berton Ave, Vancouver, BC
steak
        20


GROCERYSTORENAME
```

```
GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Save On Foods
5945 Berton Ave, Vancouver, BC
steak
        20


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Real Canadian Superstore
3185 Grandview Hwy, Vancouver, BC
potato
         1


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Safeway
2733 W Broadway, Vancouver, BC
lettuce
         2


GROCERYSTORENAME
--------------------------------------------------------------------------------
GROCERYSTOREADDRESS
--------------------------------------------------------------------------------
INGREDIENTNAME
--------------------------------------------------------------------------------
 SELLSCOST
----------
Costco
9151 Bridgeport Rd, Richmond, BC
ranch
         3


6 rows selected.
```

```
SQL> SELECT * FROM R14;

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
--------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------
         1               1

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
--------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------
Beef stir fry noodles

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
--------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------
regular daily

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
--------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC
```

```
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
Beef noodle stir fry

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------


    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
```

```
--------------------------------------------------------------------------
MEALPLANNAME
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RESTAURANTADDRESS
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RESTAURANTNAME
--------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------
         1                    1

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------
Burger and Fries

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------
regular daily

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------
RESTAURANTADDRESS
```

```
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
Burger

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
```

```
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
         1                    1

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
Burger and Fries

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
regular daily

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC
```

```
FOODNAME
------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
------------------------------------------------------------------------
MEALPLANNAME
------------------------------------------------------------------------
RESTAURANTADDRESS
------------------------------------------------------------------------
RESTAURANTNAME
------------------------------------------------------------------------
FOODNAME
------------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
------------------------------------------------------------------------
MEALPLANNAME
------------------------------------------------------------------------
RESTAURANTADDRESS
------------------------------------------------------------------------
RESTAURANTNAME
------------------------------------------------------------------------
FOODNAME
------------------------------------------------------------------------
French fries

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
------------------------------------------------------------------------
MEALPLANNAME
------------------------------------------------------------------------
RESTAURANTADDRESS
------------------------------------------------------------------------
RESTAURANTNAME
------------------------------------------------------------------------
FOODNAME
------------------------------------------------------------------------


    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
------------------------------------------------------------------------
MEALPLANNAME
------------------------------------------------------------------------
RESTAURANTADDRESS
------------------------------------------------------------------------
RESTAURANTNAME
------------------------------------------------------------------------
FOODNAME
------------------------------------------------------------------------
         2                   2
```

```
-----------------------------------------------------------------------
         2                    2

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
Beef stir fry noodles

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
regular daily

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-----------------------------------------------------------------------
MEALPLANNAME
-----------------------------------------------------------------------
RESTAURANTADDRESS
-----------------------------------------------------------------------
RESTAURANTNAME
-----------------------------------------------------------------------
FOODNAME
-----------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
```

```
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
Beef noodle stir fry

    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
--------------------------------------------------------------------------------
         2                   2
    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
--------------------------------------------------------------------------------
MEALPLANNAME
--------------------------------------------------------------------------------
RESTAURANTADDRESS
--------------------------------------------------------------------------------
RESTAURANTNAME
--------------------------------------------------------------------------------
FOODNAME
```

```
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
          2                    2


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
Burger and Fries


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
regular daily


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC


    USERID NUTRITIONALREQID
---------- ----------------
MEALNAME
-------------------------------------------------------------------------------
MEALPLANNAME
-------------------------------------------------------------------------------
RESTAURANTADDRESS
-------------------------------------------------------------------------------
RESTAURANTNAME
-------------------------------------------------------------------------------
FOODNAME
-------------------------------------------------------------------------------
```

```
MEALNAME
---------------------------------------------------------------------------
MEALPLANNAME
---------------------------------------------------------------------------
RESTAURANTADDRESS
---------------------------------------------------------------------------
RESTAURANTNAME
---------------------------------------------------------------------------
FOODNAME
---------------------------------------------------------------------------
5728 University Blvd B9, Vancouver, BC

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
---------------------------------------------------------------------------
MEALPLANNAME
---------------------------------------------------------------------------
RESTAURANTADDRESS
---------------------------------------------------------------------------
RESTAURANTNAME
---------------------------------------------------------------------------
FOODNAME
---------------------------------------------------------------------------
My Home Cuisine

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
---------------------------------------------------------------------------
MEALPLANNAME
---------------------------------------------------------------------------
RESTAURANTADDRESS
---------------------------------------------------------------------------
RESTAURANTNAME
---------------------------------------------------------------------------
FOODNAME
---------------------------------------------------------------------------
Burger

    USERID NUTRITIONALREQID
---------- ---------------
MEALNAME
---------------------------------------------------------------------------
MEALPLANNAME
---------------------------------------------------------------------------
RESTAURANTADDRESS
---------------------------------------------------------------------------
RESTAURANTNAME
---------------------------------------------------------------------------
FOODNAME
---------------------------------------------------------------------------
```

```
SQL> SELECT * FROM R15;

    USERID NUTRITIONALREQID
--------- ---------------
MEALNAME
-------------------------------------------------------------------
MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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         1                1

    USERID NUTRITIONALREQID
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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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Steak with asparagus and potatoes

    USERID NUTRITIONALREQID
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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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regular daily

    USERID NUTRITIONALREQID
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regular daily

    USERID NUTRITIONALREQID
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MEALNAME
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MEALPLANNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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asparagus

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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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Grilled Beef Steak

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MEALNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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Costco

    USERID NUTRITIONALREQID
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MEALNAME
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FOODNAME
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Costco

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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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9151 Bridgeport Rd, Richmond, BC

    USERID NUTRITIONALREQID
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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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Steak

    USERID NUTRITIONALREQID
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MEALNAME
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MEALPLANNAME
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INGREDIENTNAME
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RECIPENAME
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GROCERYSTORENAME
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GROCERYSTOREADDRESS
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FOODNAME
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