

DBMS MINI PROJECT 2 SUBMISSION

TEAM MEMBERS:

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CREATION OF ALL TABLES IN THE DATABASE NAMED “nutritiondb” ALONG WITH feedback TABLE displayed

```
Tables_in_nutritiondb
+-----+
| feedback |
| ingredient |
| meal_plan |
| mealplan_recipe |
| nutrition |
| recipe |
| recipe_ingredient |
| user |
| user_diet_log |
+-----+
9 rows in set (0.00 sec)

mysql> desc feedback;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Feedback_ID | int | NO | PRI | NULL | auto_increment |
| User_ID | int | NO | MUL | NULL | |
| Recipe_ID | int | NO | MUL | NULL | |
| Rating | tinyint unsigned | NO | | NULL | |
| Comments | text | YES | | NULL | |
| Date | timestamp | YES | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
+-----+
6 rows in set (0.00 sec)

mysql> select * from feedback;
+-----+
| Feedback_ID | User_ID | Recipe_ID | Rating | Comments | Date |
+-----+
| 1 | 1 | 3 | 5 | Loved the chutney with dosal | 2025-09-09 14:53:59 |
| 2 | 2 | 1 | 4 | Good protein balance, a bit dry | 2025-09-09 14:53:59 |
| 3 | 3 | 2 | 5 | Perfect for a quick vegan lunch | 2025-09-09 14:53:59 |
| 4 | 4 | 4 | 4 | Rice cooked well | 2025-09-09 14:53:59 |
| 5 | 5 | 5 | 5 | Excellent snack for travel | 2025-09-09 14:53:59 |
| 6 | 1 | 2 | 4 | Fresh and filling | 2025-09-09 14:53:59 |
+-----+
6 rows in set (0.00 sec)
```

Ingredient table

```
mysql> desc ingredient;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Ingredient_ID | int | NO | PRI | NULL | auto_increment |
| Ingredient_Name | varchar(150) | NO | UNI | NULL | |
| Unit_Of_Measure | varchar(50) | NO | | NULL | |
| Category | varchar(50) | NO | | NULL | |
| Notes | varchar(255) | YES | | NULL | |
+-----+
5 rows in set (0.00 sec)

mysql> select * from ingredient;
+-----+
| Ingredient_ID | Ingredient_Name | Unit_Of_Measure | Category | Notes |
+-----+
| 1 | Brown Rice | grams | Grain | Whole grain option |
| 2 | Chicken Breast | grams | Meat | Skinless |
| 3 | Spinach | grams | Vegetable | Fresh leaves |
| 4 | Olive Oil | ml | Fat | Extra virgin |
| 5 | Chickpeas (canned) | grams | Legume | Rinsed |
| 6 | Tomato | grams | Vegetable | Ripe |
| 7 | Almonds | grams | Nuts | Raw, unsalted |
+-----+
7 rows in set (0.00 sec)
```

Meal plan table

```
mysql> desc meal_plan;
```

Field	Type	Null	Key	Default	Extra
MealPlan_ID	int	NO	PRI	NULL	auto_increment
User_ID	int	YES	MUL	NULL	
Plan_Name	varchar(150)	NO		NULL	
Start_Date	date	YES		NULL	
End_Date	date	YES		NULL	
Notes	text	YES		NULL	
Created_At	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED

7 rows in set (0.00 sec)

```
mysql> select * from meal_plan;
```

MealPlan_ID	User_ID	Plan_Name	Start_Date	End_Date	Notes	Created_At
1	1	Weekly Veg Boost	2025-09-15	2025-09-21	Focus on iron-rich veggies	2025-09-09 14:53:54
2	2	High Protein Plan	2025-09-10	2025-09-24	Athlete style protein intake	2025-09-09 14:53:54
3	3	Vegan Reset	2025-09-20	2025-09-27	No animal products	2025-09-09 14:53:54

Mealplan_recipe table

```
mysql> desc mealplan_recipe;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
MealPlan_ID	int	NO	MUL	NULL	
Recipe_ID	int	NO	MUL	NULL	
Day_of_Plan	date	YES		NULL	
Meal_Type	enum('Breakfast','Lunch','Dinner','Snack')	YES		Lunch	

5 rows in set (0.00 sec)

```
mysql> select * from mealplan_recipe;
```

id	MealPlan_ID	Recipe_ID	Day_of_Plan	Meal_Type
1	1	2	2025-09-15	Lunch
2	1	3	2025-09-15	Dinner
3	2	1	2025-09-10	Dinner
4	2	4	2025-09-11	Lunch
5	3	2	2025-09-20	Lunch

5 rows in set (0.00 sec)

Nutrition table

```
mysql> desc nutrition;
```

Field	Type	Null	Key	Default	Extra
Nutrition_ID	int	NO	PRI	NULL	auto_increment
Ingredient_ID	int	NO	UNI	NULL	
Calories	decimal(6,2)	YES		NULL	
Carbohydrates_g	decimal(6,2)	YES		0.00	
Protein_g	decimal(6,2)	YES		0.00	
Fat_g	decimal(6,2)	YES		0.00	
Fiber_g	decimal(6,2)	YES		0.00	
Vitamins	varchar(255)	YES		NULL	
Minerals	varchar(255)	YES		NULL	
Other_Nutrients	text	YES		NULL	

10 rows in set (0.00 sec)

```
mysql> select * from nutrition;
```

Nutrition_ID	Ingredient_ID	Calories	Carbohydrates_g	Protein_g	Fat_g	Fiber_g	Vitamins	Minerals	Other_Nutrients
1	1	111.00	23.00	2.60	0.90	1.80	B-vitamins	Magnesium	NULL
2	2	165.00	0.00	31.00	3.60	0.00	B6	Phosphorus, Selenium	NULL
3	3	23.00	3.60	2.90	0.40	2.20	A,C,K	Iron, Calcium	NULL
4	4	884.00	0.00	0.00	100.00	0.00	E	None significant	NULL
5	5	164.00	27.40	8.90	2.60	7.60	B-vitamins	Iron	NULL
6	6	18.00	3.90	0.90	0.20	1.20	C	Potassium	NULL
7	7	579.00	21.60	21.20	49.90	12.50	E	Magnesium, Calcium	NULL

7 rows in set (0.00 sec)

Recipetype table

```
mysql> desc recipetype;
```

Field	Type	Null	Key	Default	Extra
Recipe_ID	int	NO	PRI	NULL	auto_increment
Recipe_Name	varchar(200)	NO		NULL	
Description	text	YES		NULL	
Cuisine_Type	varchar(100)	YES		NULL	
Recipe_Type	enum('Vegetarian', 'Non-Vegetarian', 'Vegan', 'Keto', 'Other')	YES		Other	
Preparation_Time_minutes	smallint unsigned	YES		0	
Serving_Size	decimal(4,2)	NO		1.00	
Instructions	text	YES		NULL	
User_ID	int	YES	MUL	NULL	
Created_At	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED

10 rows in set (0.00 sec)

```
mysql> select * from recipetype;
```

Recipe_ID	Recipe_Name	Description	Cuisine_Type	Recipe_Type	Preparation_Time_minutes	Serving_Size	Instructions	User_ID	Created_At
1	Grilled Chicken & Brown Rice Bowl	Protein-rich bowl with veggies	Fusion	Non-Vegetarian	15	1.00	Grill chicken, cook rice, steam spinach, combine.	2	2025-09-10 14:55:28
2	Chickpea & Spinach Salad	Vegan salad, quick and nutritious	Mediterranean	Vegan	10	2.00	Mix chickpeas, spinach, tomato; dress with olive oil.	3	2025-09-10 14:55:28
3	Tomato Almond Chutney	Tangy chutney with almonds	Indian	Vegetarian	10	4.00	Mash tomato, roasted almonds and spices.	1	2025-09-10 14:55:28
4	Simple Brown Rice	Plain whole grain rice	Asian	Vegan	5	3.00	Rinse rice and boil in 2:1 water ratio.	4	2025-09-10 14:55:28
5	Almond Snack	Roasted almonds with a pinch of salt	Snack	Vegetarian	5	1.00	Lightly roast almonds.	5	2025-09-10 14:55:28

5 rows in set (0.00 sec)

```
mysql>
```

Recipe_ingredient table

```
mysql> desc recipe_ingredient;
```

Field	Type	Null	Key	Default	Extra
RecipeIngredient_ID	int	NO	PRI	NULL	auto_increment
Recipe_ID	int	NO	MUL	NULL	
Ingredient_ID	int	NO	MUL	NULL	
Quantity	decimal(8,3)	NO		NULL	
Unit	varchar(50)	NO		NULL	

5 rows in set (0.00 sec)

```
mysql> select * from recipe_ingredient;
```

RecipeIngredient_ID	Recipe_ID	Ingredient_ID	Quantity	Unit
1	1	2	150.000	grams
2	1	1	120.000	grams
3	1	3	50.000	grams
4	2	5	200.000	grams
5	2	3	80.000	grams
6	2	6	100.000	grams
7	3	7	30.000	grams
8	3	6	150.000	grams
9	4	1	200.000	grams
10	5	7	40.000	grams

10 rows in set (0.00 sec)

User table

mysql> desc user;

Field	Type	Null	Key	Default	Extra
User_ID	int	NO	PRI	NULL	auto_increment
Name	varchar(100)	NO		NULL	
Email	varchar(255)	NO		NULL	
Password	varchar(255)	NO	UNI	NULL	
Age	tinyint unsigned	YES		NULL	
Gender	enum('Male','Female','Other')	YES		Other	
Height_cm	smallint unsigned	YES		NULL	
Weight_kg	decimal(5,2)	YES		NULL	
Activity_Level	enum('Sedentary','Light','Moderate','Active','Very Active')	YES		Moderate	
Dietary_Preferences	varchar(100)	YES		NULL	
Allergies	varchar(255)	YES		NULL	
Created_At	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED

12 rows in set (0.00 sec)

mysql> select * from user;

User_ID	Name	Email	Password	Age	Gender	Height_cm	Weight_kg	Activity_Level	Dietary_Preferences	Allergies	Created_At
1	Asha Kumar	asha.kumar@example.com	\$2b\$12\$examplehash1	25	Female	158	53.50	Moderate	Vegetarian	Peanuts	2025-09-09 14:53:54
2	Rohan Verma	rohan.verma@example.com	\$2b\$12\$examplehash2	28	Male	172	70.20	Active	Non-Vegetarian		2025-09-09 14:53:54
3	Meera Nair	meera.nair@example.com	\$2b\$12\$examplehash3	34	Female	165	62.00	Light	Vegan	Gluten	2025-09-09 14:53:54
4	Arjun Das	arjun.das@example.com	\$2b\$12\$examplehash4	22	Male	178	75.00	Very Active	Non-Vegetarian	Shellfish	2025-09-09 14:53:54
5	Priya Sen	priya.sen@example.com	\$2b\$12\$examplehash5	30	Female	160	58.00	Moderate	Vegetarian	Lactose	2025-09-09 14:53:54

5 rows in set (0.00 sec)

mysql>

User_diet_log table

mysql> desc user_diet_log;

Field	Type	Null	Key	Default	Extra
Log_ID	int	NO	PRI	NULL	auto_increment
User_ID	int	YES	MUL	NULL	
Recipe_ID	int	YES	MUL	NULL	
Date	date	NO		NULL	
Time	time	YES		NULL	
Portion_Size	decimal(5,2)	YES		1.00	
Notes	varchar(255)	YES		NULL	
Created_At	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED

8 rows in set (0.00 sec)

mysql> select * from user_diet_log;

Log_ID	User_ID	Recipe_ID	Date	Time	Portion_Size	Notes	Created_At
1	1	3	2025-09-01	08:30:00	1.00	Breakfast chutney on toast	2025-09-09 14:53:54
2	2	1	2025-09-02	13:00:00	1.50	Post workout meal	2025-09-09 14:53:54
3	3	2	2025-09-03	12:30:00	1.00	Light lunch	2025-09-09 14:53:54
4	4	4	2025-09-04	19:00:00	2.00	Family dinner	2025-09-09 14:53:54
5	5	5	2025-09-05	17:00:00	0.50	Snack	2025-09-09 14:53:54

5 rows in set (0.00 sec)