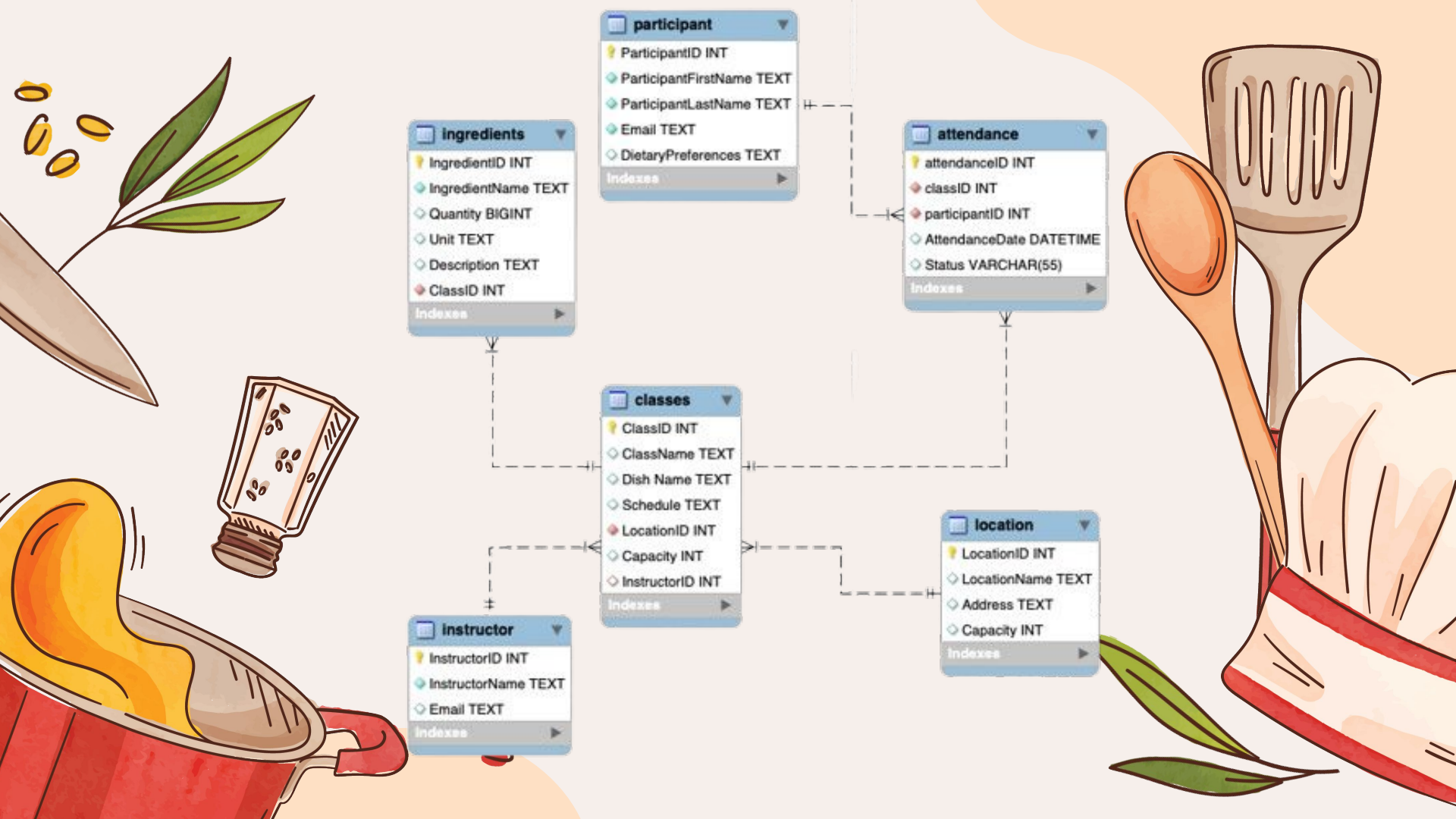


Joyful Cooking Academy

A cooking class database in sql





About Database

Joyful Cooking Academy is your delightful and organized solution for managing all aspects of a cooking class organization.

See How The database Runs

Confirm data input has worked

```
use cooking_project;
```



Now Let's Select the tables

```
SELECT * from cooking_project.attendance;  
SELECT * from cooking_project.classes;  
SELECT * from cooking_project.ingredients;  
SELECT * from cooking_project.instructor;  
SELECT * from cooking_project.location;  
SELECT * from cooking_project.participant;
```





Classes

Stores info about cooking class

```
SELECT * from cooking_project.classes;
```

ClassID	ClassName	Dish Name	Schedule	LocationID	Capacity	InstructorID
101	A Greek Feast	Moussaka	2024-02-05 15:30:00	215	10	8763
102	Passionate Pasta Pairing: The Art of Cooking Together	HomeMade Cheese Ravioli with Ricotta	2024-02-14 17:01:00	712	8	5896
103	A Taste of Morocco	Lamb Tagine with Green Olives and Lemon	2024-02-22 18:15:00	624	5	1247
104	Flavors of Self-Love: Solo Cooking with West African Flair	Jollof Rice and Suya Skewers	2024-02-14 15:45:00	303	6	4302
105	Baking Fun for Sweet Teeth	French Macaron	2024-02-29 20:01:00	303	10	8763



Instructors

Data about chefs teaching each class

```
SELECT * from cooking_project.instructor;
```

InstructorID	InstructorName	Email
1247	Chef Amir	Amir@hotmail.com
3729	Chef Kim	Kim.CulinaryExpert@gmail.com
4302	Chef Aisha	Aisha.CulinaryPro@yahoo.com
5896	Chef Olivier	Olivier.GourmetMaster@yahoo.com
8763	Chef Katsaros	Katsaros.Chef@gmail.com

Tables



Location

Details about class location

```
SELECT * from cooking_project.location;
```

LocationID	LocationName	Address	Capacity
215	Harborview Cooking Center	123 Broadway, New York, NY	10
303	Urban Kitchen Studio	456 5th Avenue, New York, NY	6
624	Central Park Culinary Studio	890 Central Park West, New York, NY	8
712	City Culinary Loft	789 Lexington Ave, New York, NY	6



Tables



Participant

Stores info about people in classes



```
SELECT * from cooking_project.participant;
```

ParticipantID	ParticipantFirstNa...	ParticipantLastNa...	Email	DietaryPreferenc...
1247	Inaya	Villanueva	Inaya.CulinaryEnthusiast@gmail.com	Vegan
1789	Howard	Edwards	IndustryLeader14@yahoo.com	
1983	Zahra	Dunlap	Zahra.Dunlap@gmail.com	Pescatarian
2075	Ivan	Gill	FlavorfulDreamer18@gmail.com	Plant-Based
3158	Selina	Sawyer	Selina.Sawyer@hotmail.com	Plant-Based
3762	Peggy	Warner	Peggy.TasteTrailblazer@yahoo.com	Plant-Based
4319	Jason	Guzman	SavoryJourney88@yahoo.com	Organic
4906	May	Wall	May.Wall@gmail.com	
5190	Elise	Casey	Elise.SavorMaster@msn.com	
5723	Gabriel	Cervantes	BusinessMaven68@hotmail.com	
6321	Malaika	Rowe	Malaika.Rowe@yahoo.com	Nut-Free
6453	Lawson	Clark	CreativeThinker91@gmail.com	Kosher
6842	Issac	Moon	Issac.Moon@gmail.com	Halal
6934	Malika	Carter	GourmetAdventures42@hotmail.com	
7542	Liberty	Padilla	Liberty.Padilla@msn.com	Dairy-Free
8461	Constance	Park	TechSavvyExpert36@yahoo.com	Dairy-Free
9246	Millie	Mills	VisionaryStrategist29@hotmail.com	Vegan
9274	Warren	Christensen	Warren.Christensen@yahoo.com	



Attendance

Tracks attendance records for each class

```
SELECT * from cooking_project.attendance;
```

attendanceID	classID	participant...	AttendanceDate	Status
300	103	1247	2024-02-22 18:15:00	Attended
303	102	1789	2024-02-14 17:00:00	Attended
306	101	1789	2024-02-05 15:30:00	Attended
309	103	1983	2024-02-22 18:15:00	Did Not Attend
312	101	2075	2024-02-05 15:30:00	Attended
315	104	3158	2024-02-14 15:45:00	Attended
318	103	3762	2024-02-22 18:15:00	Attended
321	101	4319	2024-02-05 15:30:00	Attended
324	105	4319	2024-02-29 20:00:00	Attended
327	101	4906	2024-02-05 15:30:00	Attended
330	104	5190	2024-02-14 15:45:00	Attended
333	105	5723	2024-02-29 20:00:00	Attended
336	104	6321	2024-02-14 15:45:00	Attended
339	105	6453	2024-02-29 20:00:00	Attended
342	103	6842	2024-02-22 18:15:00	Attended
345	101	6934	2024-02-05 15:30:00	Did Not Attend
348	102	6934	2024-02-14 17:00:00	Attended
351	104	6934	2024-02-14 15:45:00	Attended
354	102	7542	2024-02-14 17:00:00	Did Not Attend
357	104	7542	2024-02-14 15:45:00	Attended

Tables



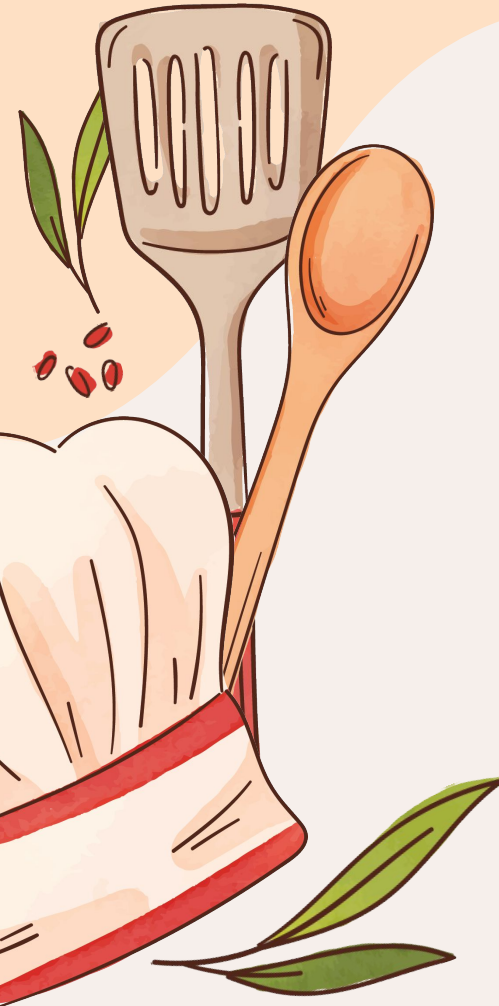
Ingredients

```
SELECT * from cooking_project.ingredients;
```

IngredientID	IngredientName	Quantity	Unit	Description	ClassID
1	whole milk	1	cup		102
4	fresh basil	2	tsp		102
5	flour	400	g		102
6	eggs	4		large eggs	102
7	tomato sauce	8	0z	or sauce as desired	102
9	lemon	1		zest	103
10	saffron	1		threads, crumbled	103
11	lambs	4	lbs	boneless	103
12	carrots	6		large eggs	103
13	onion	1		yellow onion	103
14	cilantro	1	cup		103
15	garlic	5			103
16	beef	500	g	steaks	104
17	peanut sauce	2	tbbsp		104
18	suya	2	tbbsp		104
20	scotch bonnet...	2		a.k.a habanero pe...	104
21	tomato paste	3	tbbsp		104
22	parboiled rice	2	cups		104
23	chicken stock	3	cups		104
24	Knorr stock cube	1			104

Manages info about ingredients used in class

Time to Stir up Queries



Query 1

Find the Total Number of Each Participant in each class.

```
SELECT classes.ClassID, classes.ClassName,  
COUNT(DISTINCT Attendance.ParticipantID) AS TotalParticipants  
FROM classes  
LEFT JOIN Attendance ON classes.ClassID = Attendance.ClassID  
GROUP BY classes.ClassID, classes.ClassName;
```

ClassID	ClassName	TotalParticipants
101	A Greek Feast	6
102	Passionate Pasta Pairing: The Art of Cooking Together	5
103	A Taste of Morocco	4
104	Flavors of Self-Love: Solo Cooking with West African Flair	5
105	Baking Fun for Sweet Toothy	4



Query 2

What are the instructors who have taught more than 1 classes?

```
SELECT i.InstructorID, i.InstructorName, COUNT(c.ClassID) AS ClassesTaught
FROM classes c
JOIN instructor i ON c.InstructorID = i.InstructorID
GROUP BY i.InstructorID, i.InstructorName
HAVING ClassesTaught > 1;
```

InstructorID	InstructorName	ClassesTaught
8763	Chef Katsaros	2



Query 3

classes with more than 4 participants and an average attendance rate above 50%

```
SELECT a.ClassID, c.className,  
AVG(Status = "Attended") as AttendanceRate,  
COUNT(DISTINCT a.ParticipantID) AS AmountParticipant  
FROM attendance a  
JOIN classes c ON a.ClassID = c.classID  
Group by a.classID, c.className  
Having AttendanceRate > .50 AND AmountParticipant > 4;
```

ClassID	className	AttendanceRate	AmountParticip...
101	A Greek Feast	0.6667	6
102	Passionate Pasta Pairing: The Art of Cooking To...	0.8000	5
104	Flavors of Self-Love: Solo Cooking with West Af...	1.0000	5



Query 5- View

what are the ingredients do each upcoming class need and their location?

```
CREATE VIEW ClassIngredientsWithLocation AS
SELECT i.ingredientID, i.IngredientName, i.Quantity,i.Unit,i.Description,
       c.classID, c.schedule, l.Address
FROM ingredients i
JOIN classes c ON i.classID = c.classID
JOIN location l on c.locationID = l.locationID
Group by i.ingredientID, i.IngredientName, i.Quantity, i.Unit, i.Description
Order BY c.schedule;
```



ingredientID	IngredientName	Quantity	Unit	Description	classID	schedule	Address
35	flour	4	tbsp		101	2024-02-05 15:30:00	123 Broadway, New York, NY
36	milk	2	cup		101	2024-02-05 15:30:00	123 Broadway, New York, NY
38	egg	2			101	2024-02-05 15:30:00	123 Broadway, New York, NY
16	beef	500	g	steaks	104	2024-02-14 15:45:00	456 5th Avenue, New York,...
17	peanut sauce	2	tbsp		104	2024-02-14 15:45:00	456 5th Avenue, New York,...
18	suya	2	tbsp		104	2024-02-14 15:45:00	456 5th Avenue, New York,...
20	scotch bonnet pe...	2		a.k.a hab...	104	2024-02-14 15:45:00	456 5th Avenue, New York,...
21	tomato paste	3	tbsp		104	2024-02-14 15:45:00	456 5th Avenue, New York,...
22	parboiled rice	2	cups		104	2024-02-14 15:45:00	456 5th Avenue, New York,...
23	chicken stock	3	cups		104	2024-02-14 15:45:00	456 5th Avenue, New York,...
24	Knorr stock cube	1			104	2024-02-14 15:45:00	456 5th Avenue, New York,...
25	bay leaves	3			104	2024-02-14 15:45:00	456 5th Avenue, New York,...
1	whole milk	1	cup		102	2024-02-14 17:01:00	789 Lexington Ave, New Yor...
4	fresh basil	2	tsp		102	2024-02-14 17:01:00	789 Lexington Ave, New Yor...



Query 6: Stored Procedure

-QUERY for Instructor Information

- contact info
- class taught
- schedule
- location details
- capacity

```
use cooking_project;  
CALL GetInstructors_INFO();
```

```
DELIMITER //  
CREATE PROCEDURE GetInstructors_INFO()  
BEGIN  
    SELECT  
        i.InstructorName, i.Email,  
        c.ClassName, c.schedule,  
        l.LocationName, l.Address, l.Capacity AS LocationCapacity,  
        c.Capacity AS ClassCapacity  
    FROM  
        location l  
    JOIN  
        classes c ON l.LocationID = c.LocationID  
    JOIN  
        instructor i ON c.InstructorID = i.InstructorID;  
END //  
DELIMITER ;
```

InstructorName	Email	ClassName	schedule	LocationName	Address	LocationCapaci...	ClassCapacity
Chef Katsaros	Katsaros.Chef@gmail.com	A Greek Feast	2024-02-05 15:30:00	Harborview Cooking Center	123 Broadway, New York, NY	10	10
Chef Aisha	Aisha.CulinaryPro@yah...	Flavors of Self-Love: Sol...	2024-02-14 15:45:00	Urban Kitchen Studio	456 5th Avenue, New York, NY	6	6
Chef Katsaros	Katsaros.Chef@gmail.com	Baking Fun for Sweet To...	2024-02-29 20:01:00	Urban Kitchen Studio	456 5th Avenue, New York, NY	6	10
Chef Amir	Amir@hotmail.com	A Taste of Morocco	2024-02-22 18:15:00	Central Park Culinary Studio	890 Central Park West, New York, NY	8	5
Chef Olivier	Olivier.GourmetMaster...	Passionate Pasta Pairing...	2024-02-14 17:01:00	City Culinary Loft	789 Lexington Ave, New York, NY	6	8

Thanks!

