

# GROUP 4 DATABASE

## SensorRoomData


Collects temperature, humidity, and PM2.5 data within the room.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	ts	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	temp	float			No	None		
4	hum	float			No	None		
5	pm	int(11)			No	None		

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## sensorTankData


Collects temperature and humidity within the tank.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	ts	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	temp	float			No	None		
4	hum	float			No	None		

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## envData

Collects temperature, humidity, and PM2.5 data within the environment.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	ts	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	pm	int(11)			No	None		
4	hum	float			No	None		
5	temp	float			No	None		

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## dataVisual

Collects temperature, humidity, PM2.5 and eating\_time data from sensorRoomData database for using to display data visualization.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🗝️	int(11)			No	None		AUTO_INCREMENT
2	pm25	int(255)			No	None		
3	temp	float			No	None		
4	hum	int(11)			No	None		
5	eating_time	int(11)			No	None		



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## mealPlan


Collects days, time, portion, and enable\_status from the user that they want to feed the food to their pet.

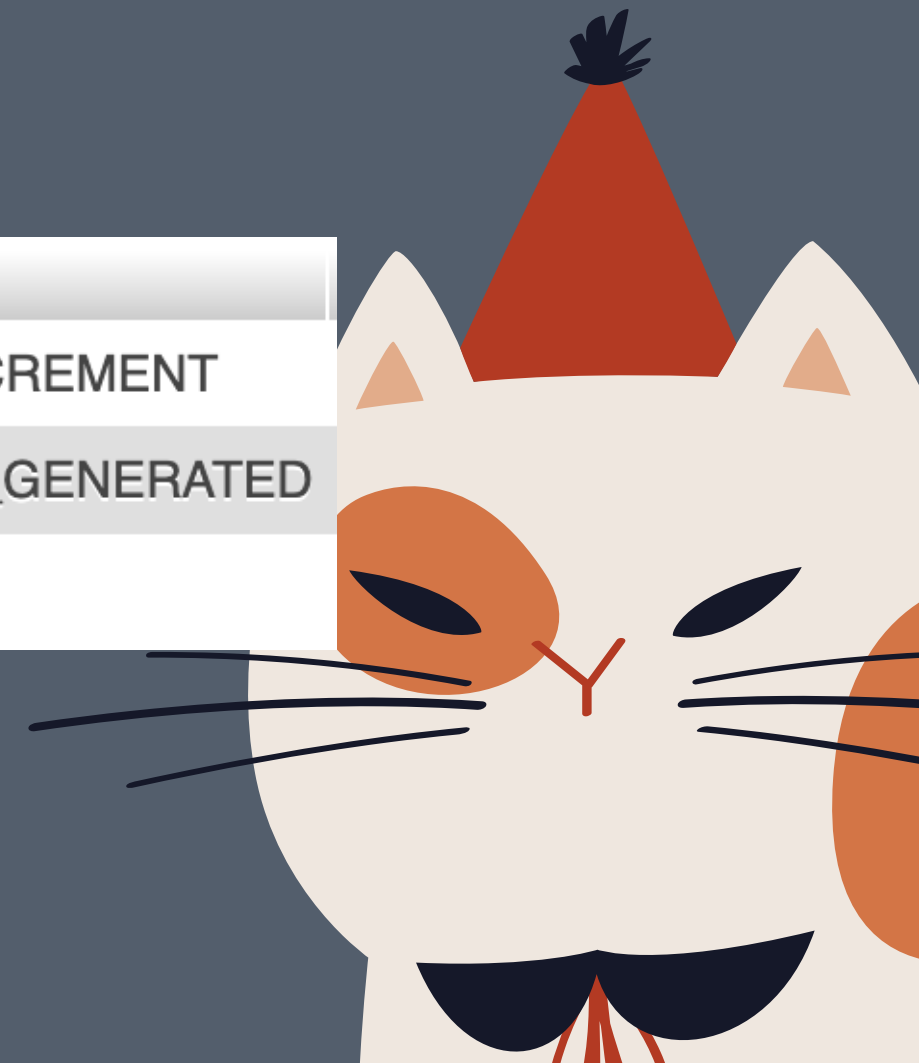
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>schedule_id</b> 🔑	int(11)			No	None		
2	<b>ts</b>	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	<b>days</b>	varchar(255)	utf8_general_ci		No	None		
4	<b>time</b>	varchar(255)	utf8_general_ci		No	None		
5	<b>por</b>	int(11)			No	None		
6	<b>enable_status</b>	tinyint(1)			No	None		

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feedingData

Collects history portion given to pet

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 	int(11)			No	None		AUTO_INCREMENT
2	ts	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	por	int(11)			No	None		

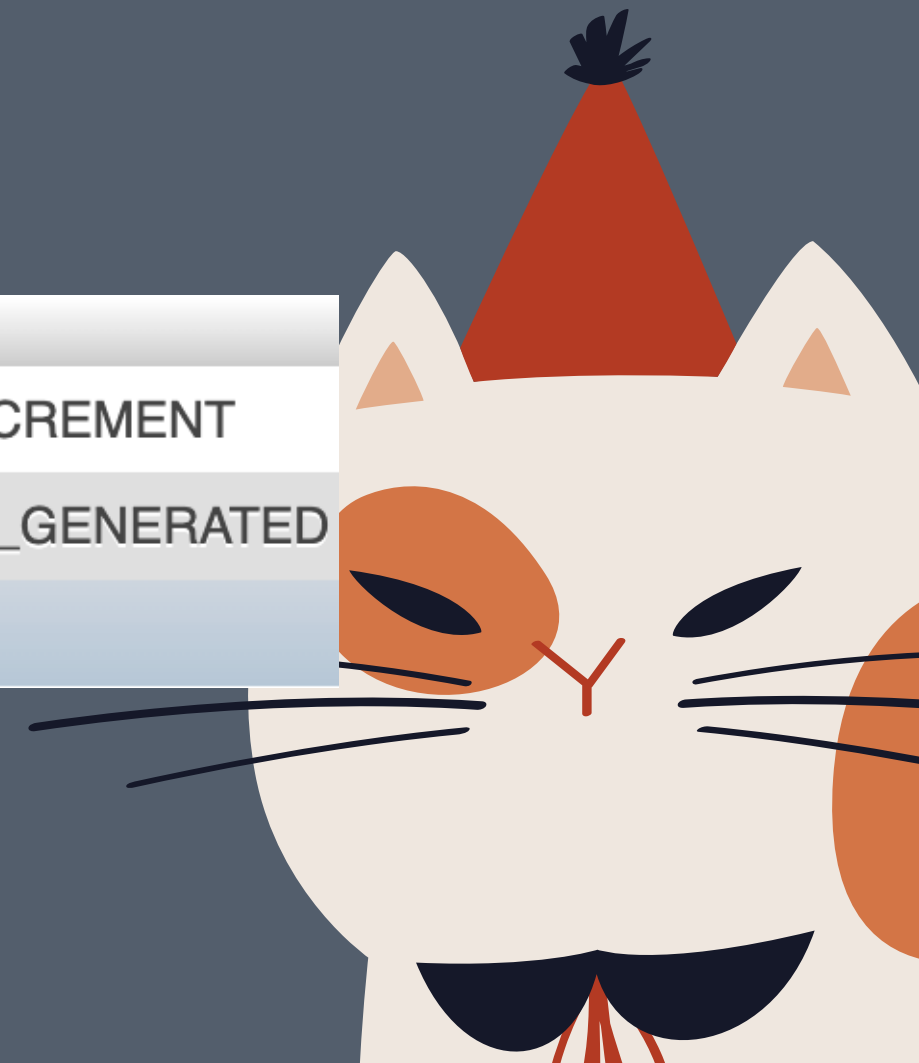


# GROUP 4 DATABASE

## behaviorData

Collects timestamp and status when pet are coming to eat food. If your pet is standing in front of the sensor, its status will be 1. If your pet walks away or is not present, its status will be 0.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	ts	timestamp			No	CURRENT_TIMESTAMP		DEFAULT_GENERATED
3	status	int(1)			Yes	NULL		





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## TankData

Collect data when the machine is feeding. If the feeder is running, it will display a value of 1, but if it is stopped, it will display a value of 0, and the remaining amount of food in the tank will be calculated as a percent.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	remaining_percentage	int(11)			No	None		
3	feeding_status	tinyint(4)			No	None		