

Final Entity-Relationship Diagram

- Normalized the entity Food_ Order to 3NF.
- Normalized the entity Food_ Ingredient to 3NF.
- Normalized the entity Food_ Item to 3NF.

- Changed the entity name Food_ Ingredient_ Table to Food_ Ingredient.
- Changed the entity name Food_ Order_ Table to Food_ Order.
- Changed the entity name Employee_ Shift_ Table to Employee_ Shift.
- Changed the entity name Employee_ Table to Employee.
- Changed the entity name Customer_ Table to Customer.

- Changed the relationship between Customer and Orders from optional many to mandatory many.
- Changed the relationship between Restaurant and Menu from optional many to mandatory many.

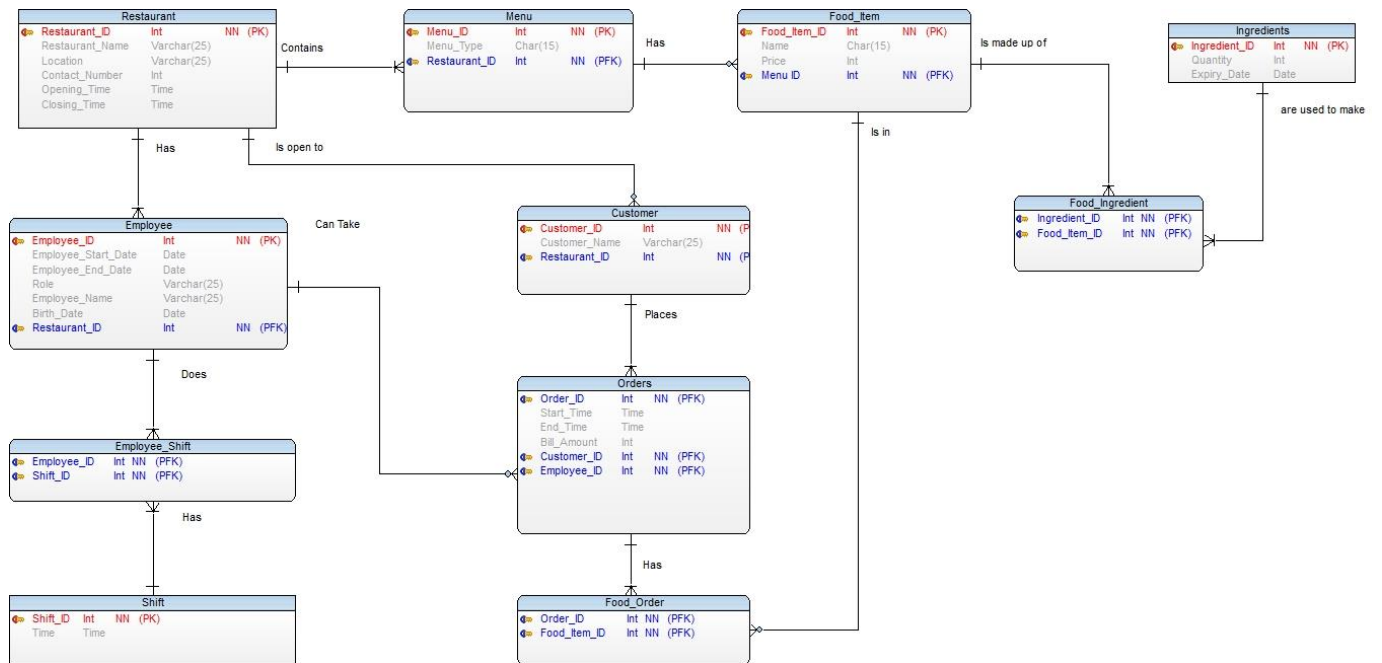
- We removed the super type entity Person from ERD.

- Created a one-to-mandatory many relationship between Restaurant and Employee.
- Created a one-to-optional many relationship between Restaurant and Customer.

- Added the attributes Employee_ Name and Birth_ Date to the entity Employee and attribute Customer_ Name to the entity Customer.

- The overall ERD is now in 3NF form with all the relationships being identifying type instead of non-identifying type.

Final ERD:



Initial ERD to compare:

