

DNA Project Phase 3

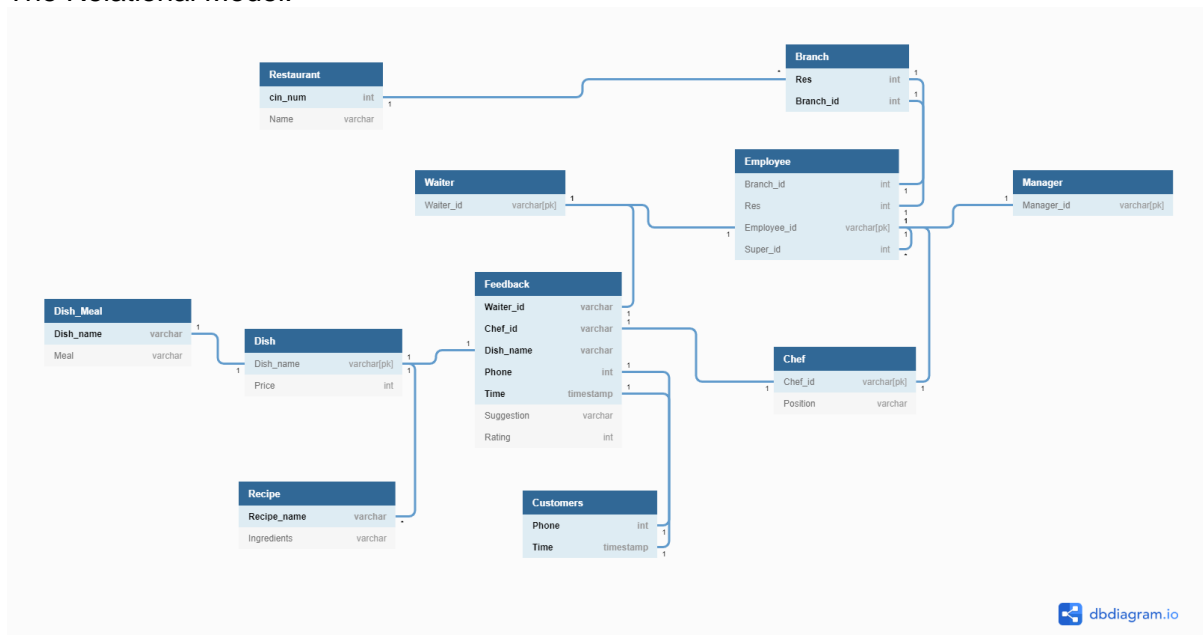
Team Sqlite:

Sarthak Agrawal – 2019115003

Aadarsh Raghunathan – 2019113021

Ainesh Sannidhi - 2019101067

The Relational Model:



First Normal Form:

The Meal attribute (ER terminology) of the Dish entity is the only multivalued attribute and adding it as an attribute (Relational model terminology) in the Dish Relation would have violated the 1NF. The instructions, according to Step 6 on Page 296, were followed. Hence no normalisation is required at this stage.

Second Normal Form:

There are only 3 Relations with a key that has more than one attribute, of which 2(Customers, Branch) have no non-prime attributes. This leaves only Feedback, and we find it to have no violations.

Third Normal Form:

6 Relations have non-prime attributes, but each of them has only one candidate key, which is hence the primary key, so by definition, there is no violation.