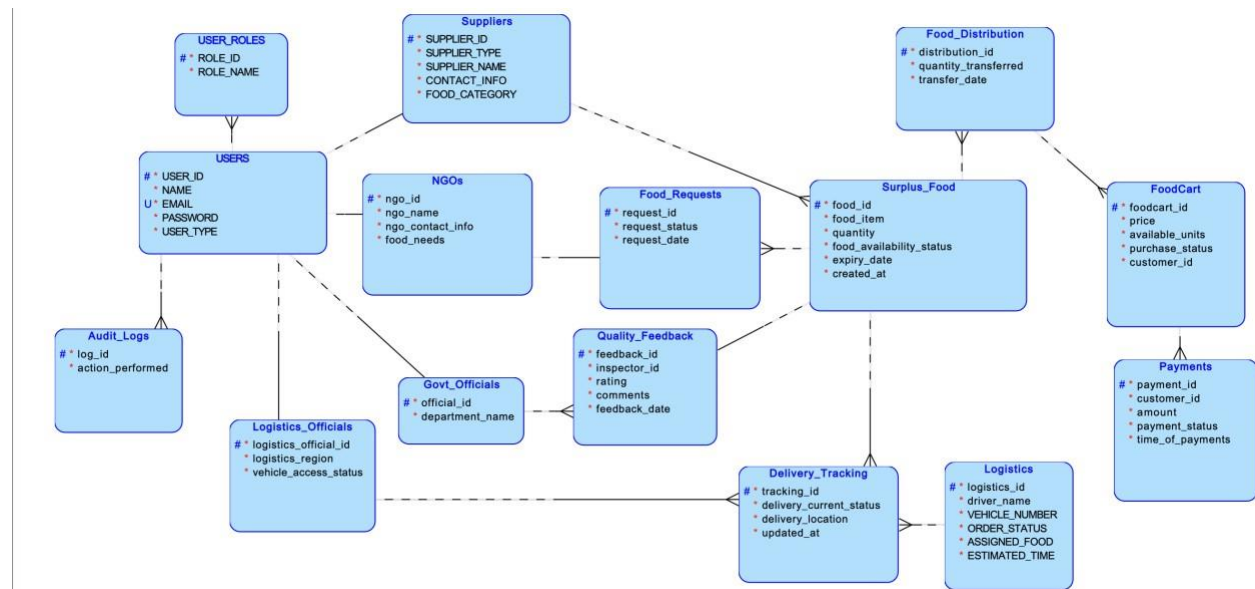


## Normalization:

## Logical model:



- Here if you see there are many tables like audit log, food distribution, surplus food, food cart, payments, delivery tracking.
- These tables have been normalized as per given suggestions and feedback.
- Based on suggestions and feedback, er diagram has been improved and found many redundancy attributes and tables
- So, the diagram has been upgraded to an optimized model
- The optimized model is food request is changed to ngo\_request table. And there is no separate ngo table. All data has been moved to ngo\_request table
- Now the surplus food table has been removed and changed to main food table. Many attributes has been removed and we optimized the attributes by performing join operations
- There is no delivery tracking table, because we merged into logistics table
- There is no food cart, food cart, payments, delivery tracking table. It is because to avoid complexity
- For Supplier table, we removed many redundancy attributes, similarly in the ngo\_request table. We get the attributes from main food data table by joins.

The below is the enhanced model:

