ASSIGNMENT - 2

We chose a Relational Database Management System due to the following reasons:

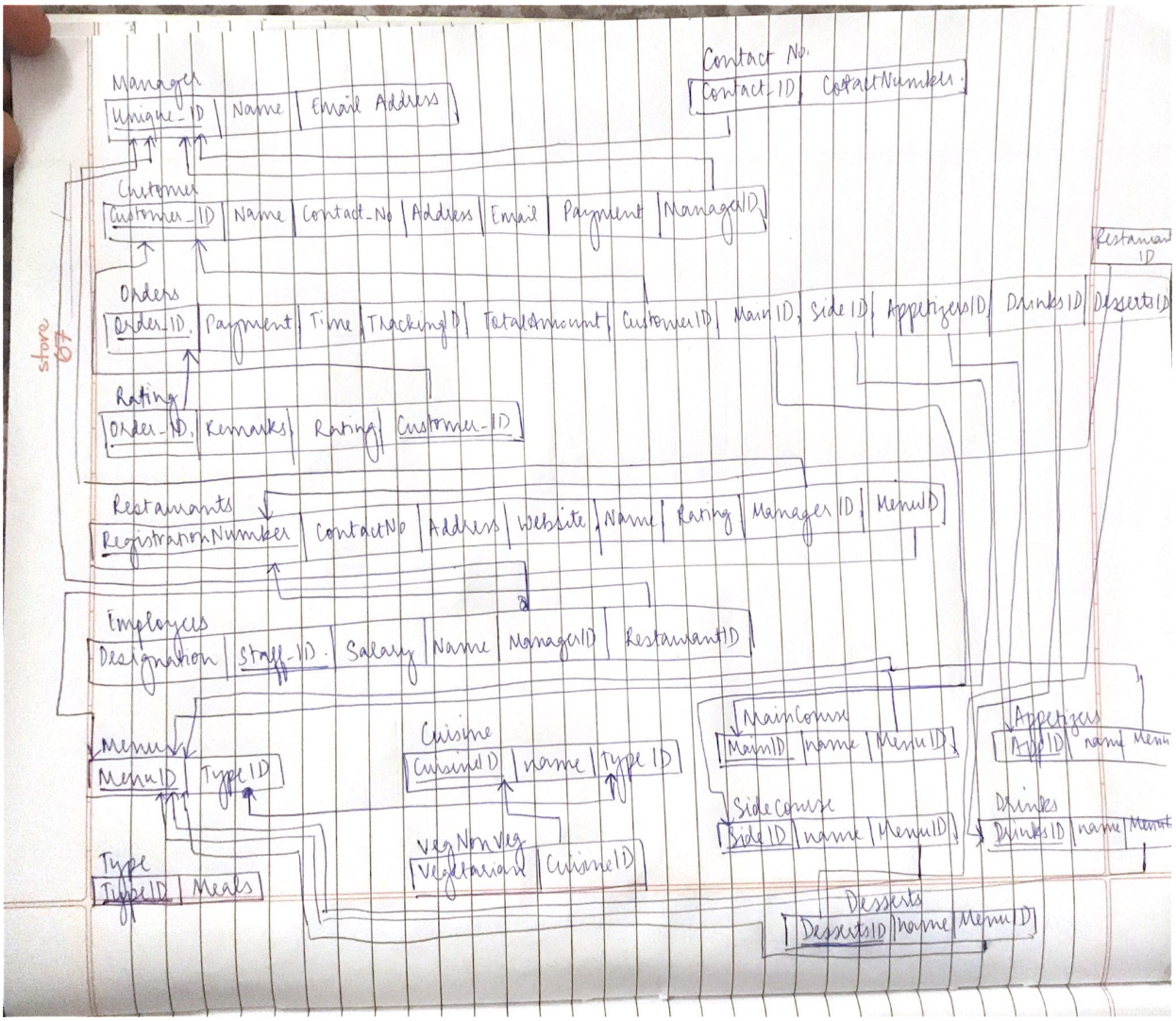
ACID compliance: An RDBMS satisfies a set of priorities that measure the atomicity, consistency, isolation, and durability of database systems. This helps our online food delivery restaurant system to reduce anomalies, safeguard data integrity and validate database transactions in the various entries made by the customers while placing their orders.

Since we require an ideal, consistent data system for our online food delivery restaurant database, with an SQL-based RDBMS, the information of each customer, manager, orders placed etc. will remain in the structure we originally create it in. Since we don't need a dynamic information system for massive amounts of data—and we're not dealing with numerous data types—an RDBMS offers great speed and stability.

Prevents Data redundancy:
In relational database management systems the tables with the specific data have relation among them that's why the required data is taken from the previous tables which prevents the data redundancy. Since we have numerous relationships among entities in our ER diagram, we mapped this efficiently to a Relational database as it allows us to reduce or prevent data redundancy to a large extent.

Data security:
In a relational database management system the data access is privileged which means that the database administrator has the authority of giving access of data to some particular users which makes the data secure. This ensures that the restaurant database can only be accessed and modified by the authorized users in charge of handling the backend of the food delivery system in place.

Rough diagram of RDBMS:



Team – 10:

ARUNAV DEY
ANWESHA KELKAR
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All members contributed equally in deciding the type of DBMS, and in the creation and insertion into the database.