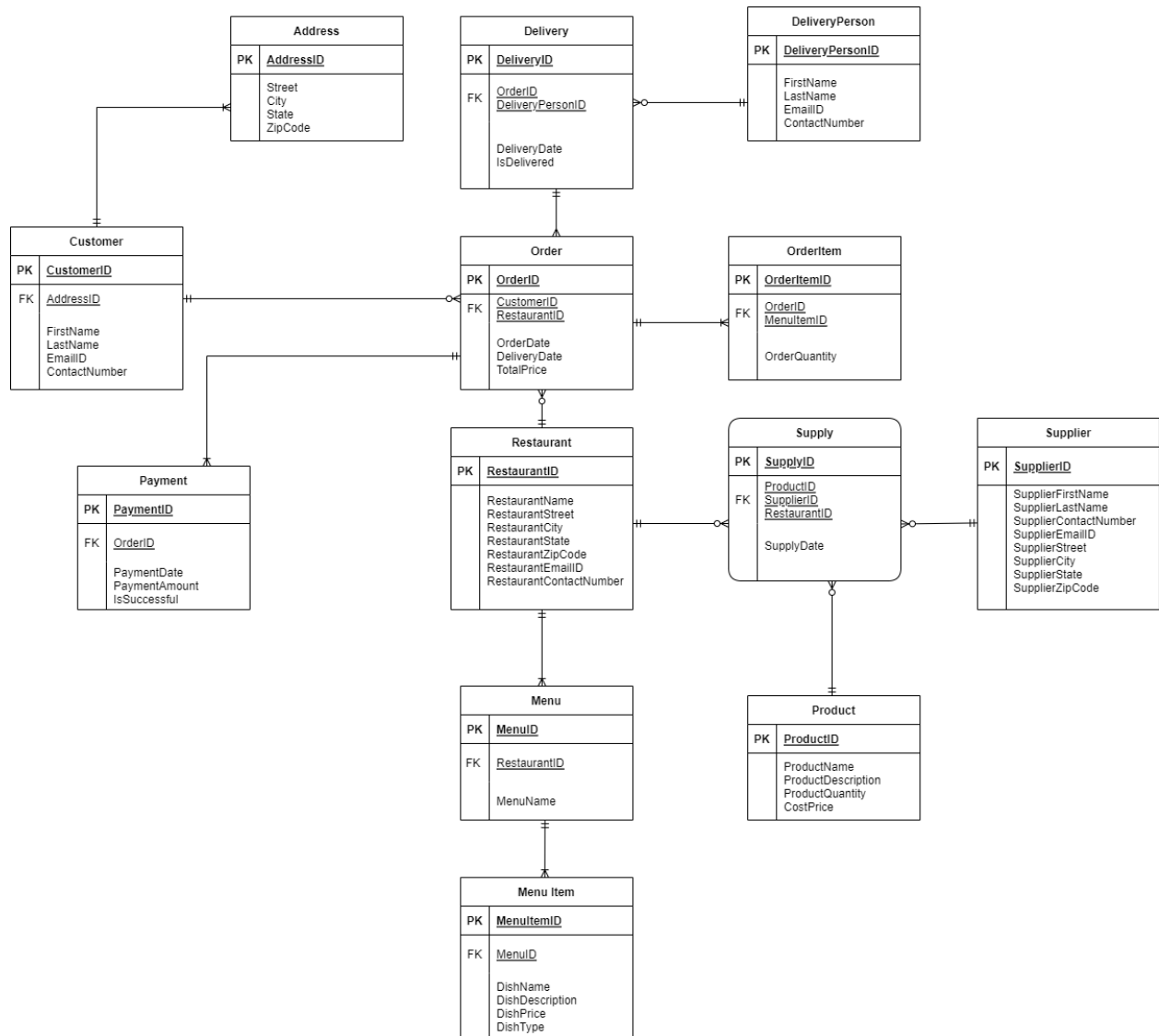


DATA MANAGEMENT AND DATABASE DESIGN PROJECT-P3

DATABASE DESIGN DOCUMENT

ONLINE FOOD ORDERING MANAGEMENT SYSTEM

E-R Diagram:



Changes:

- 1) Link between menu item and restaurant is removed considering the fact it is already linked to the Order. The link would cause cyclic redundancy causing the data to be inconsistent.
- 2) Sales entity is removed as it is the output of the database and cannot be mentioned in the actual E-R diagram.
- 3) The inventory entity is replaced with the Product entity as it is not clear which products are being supplied. The Product entity has attributes like Name, Description, Quantity and CostPrice.
- 4) Address Entity is the additional entity. A customer can have multiple addresses like home address, work address and so on. So, while dealing with delivery, shipment and tracking, it is ideal to have an address as a different entity and then referencing it using the ID.
- 5) IsDelivered attribute is given in the Delivery to check whether or not the order is delivered. The number of orders can be calculated with this attribute.
- 6) IsSuccessful attribute is given in the Payment entity considering the fact that the payment can be a success or a failure. And the customer can have multiple payments.
- 7) MenuItemID foreign key is given to the OrderItemID to check which dish is ordered and in what quantity it is ordered.

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