

Customer Product Delivery System

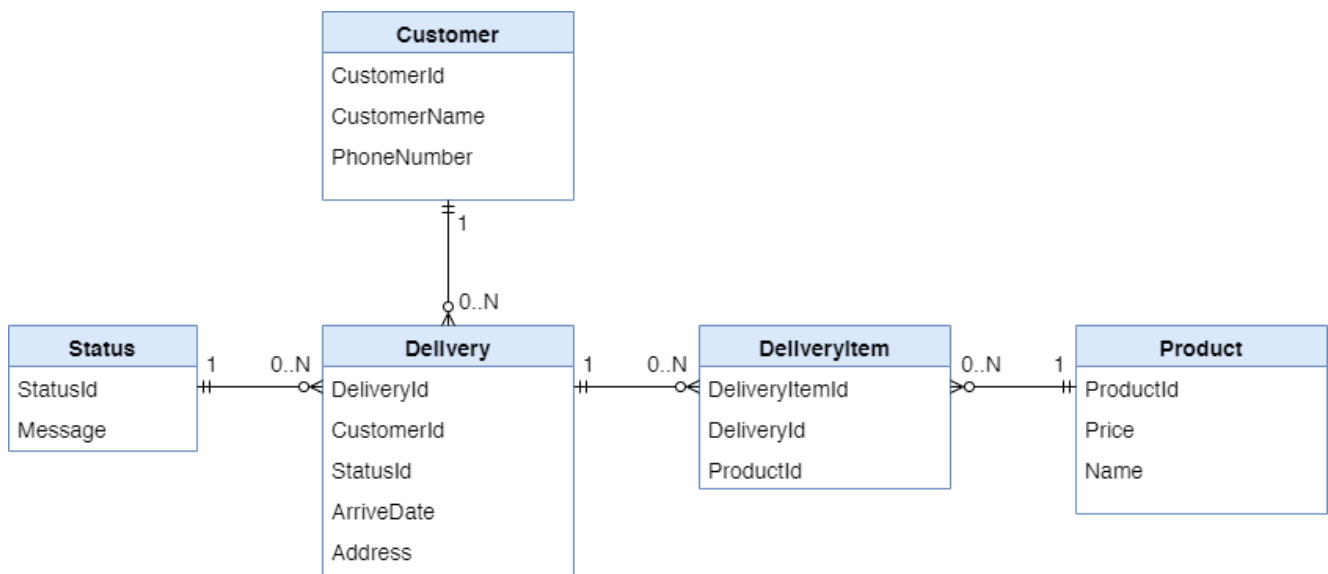
Analysis Document

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➤ Technology

- **API:** ASP.NET Core Web API + Database SQL Server
- **Frontend:** React

➤ Data Model and Bussiness Rules



Customer: It is used to indicate customers in the system. Customers have Name and phone-number informations. Customers can have zero or many deliveries. If the customer owns a delivery, it cannot be deleted.

Delivery: : It is used to indicate deliveries in the system. It has arrival date and address informations. To be created, it must be related with a customer and a status. There can be zero or many delivery-item in a delivery. When we delete a delivery, we also delete the delivery-items in it.

Status: It is used to specify the delivey status in the system. Statures have message information. A Status can be related with many deliveries. Or it may not be related with any delivery.

Product: It is used to specify the products in the system. Products have price and name informations. A product can be related zero or many delivery-item.

DeliveryItem: It is used to specify an item in a delivery. it must be related with a product and a delivery. If located delivery delete then delivery-item also will be deleted.