

Relational Mapping with BCNF Normalization:

User Address (Address, Zip)

User (User-ID, Name, Type, Address, Age, Gender, Email, City)

User-phone (User-ID, Phone)

Admin (User-ID)

Individual (User-ID)

Restaurant (User-ID)

Card Details (Card Number, CVC, Expiry Date, Card Holder Name)

Food Receiver (Food-Receiver-ID, User-ID, Email, Name, Street, Zip, State, City)

Food Receiver Phone (Food-Receiver-ID, Phone)

Food Receiver Zip (NGO-Zip-Code, Food-Receiver-ID)

Delivery Person (Delivery-Person-ID, Delivery-Person-Name, Delivery-Person-Zip, Delivery-Person-Phone)

Ratings (Rating-ID, User-ID, Delivery-Person-ID, No. of Ratings, Comments)

Order (Order-ID, User-ID, Date of Order, Food-Receiver-ID, Time of Order, Delivery-Person-ID, Individual-ID, Restaurant-ID)

Food to be Donated (Food-to-be-Donated-ID, Quantity of Order, Type of food, Order-ID)

Payment (Payment-ID, Order-ID, User-ID, Card Number, CVC, Expiry Date, Food Receiver-ID)

Delivery (Delivery-ID, Delivery-Person-ID, Order-ID, User-ID, Food-Receiver-ID, NGO-Zip-Code)

Donates (User-ID, Food-to-be-Donated-ID)