



TEAM 13

Phase 2

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User = (Username, Firstname, Lastname, User_Password)

Building = (Name, Description)

Station = (Name, Capacity, Sponsor [fk1])

Fk1 : Sponsor -> Building.Name, Sponsor is not null

Customer = (Username [fk2], Balance, Locate_At [fk3])

Fk2: Username -> User.Username

Fk3: Locate_At -> Station.Name

Employee = (Username [fk4], Email)

Fk4: Username -> User.Username

Manager = (Username [fk5])

Fk5: Username -> Employee.Username

Staff = (Username [fk6], Works_In [fk7])

Fk6: Username -> Employee.Username

Fk7: Works_In -> Food_Truck.Name

Admin = (Username [fk8])

Fk8: Username -> Employee.Username

Food_Truck = (Name, Manager [fk9], Host [fk10])

Fk9: Manager -> Manager.Username, Manager is not null

Fk10: Host -> Station.Name, Host is not null

Food = (Name)

Customer_Order = (OrderID, Order_Date, Ordered_by [fk11])

Fk11: Ordered_by -> User.Username; Ordered_by is not NULL

Menu_Item = (Food_item [fk12], Sold_by [fk13], Price)

Fk12: Food_item -> Food.Name

Fk13: Sold_by -> Food_Truck.Name, Sold_by is not NULL

Tag = (Building_name [fk14], Tag_name)

Fk14 -> Building_name = Building.name

Order_Contains = (OrderID [fk15], Food_item, Sold_by [fk16], Purchase_qty)

Fk15: OrderID -> Order.OrderID, OrderID is not null

Fk16: Food_item, Sold_by -> Menu_Item.Food_item, Menu_Item.Sold_by