Relational Schema (Team 6):

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User = (<u>username</u>, password, firstName, lastName, street, city, state, zip)

Admin = (<u>username </u>[fk1])
- fk1: username → User.username

Employee = (<u>username</u> [fk2])
- fk2: username → User.username

Customer = (<u>username</u> [fk3], ccNumber, CVV, ExpDate)
- fk3: username → User.username

Chain = (<u>name)</u>

Store = (<u>C_name</u> [fk4], <u>name</u>, Zip, State, City, Street)
- fk4: C_name → Chain.name

Drone_Technician = (<u>username </u>[fk5], works_at [fk6])
- fk5: username → Employee.username
- fk6: works_at → Store.name

Manager = (<u>username</u> [fk7], manages [fk8])
- fk7: username = Employee.username
- fk8: manages = Chain.name

Drone = (<u>ID</u>, status, radius, zip, worked_on_by [fk9])
- fk9: worked_on_by → Drone_Technician.username

Order = (<u>ID</u>, status, date, made_by [fk10], delivered_by [fk11], From_Chain [fk16])
- fk10: made_by → Customer.username
- fk11: delivered_by → Drone.ID
- fk16: From_Chain → Chain.name

Item = (<u>name</u>, type, origin, organic)

Chain_Item = (<u>PLU_number,</u> <u>C_name</u> [fk12], <u>I_name</u> [fk13], price, order_limit, quantity)
- fk12: C_name → Chain.name

- fk13: I_name → Item.name

Contains: (order_id[fk12], PLU_Number[fk14], I_name[fk15], C_name[fk15], chain_item_quantity)
- fk14: Order_ID → Order.ID
- fk15: (PLU_Number, I_name, C_name) → Chain_Item.PLU_Number, Chain_Item.I_name, Chain_Item.C_name