CS 4400 Relational Schema for Phase 3

chain = (<u>ChainName</u>)

store = (<u>StoreName</u>, <u>chainName</u> [FK], street, city, state, <u>zip</u>)

      FK: store.chainName > chain.name

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

chainItem = (Chain<u>itemName</u> [FK], <u>chainName</u> [FK], <u>PLUNumber</u>, orderLimit, quantity, price)

      FK: chainItem.ChainitemName > item.name

      FK: chainItem.chainName > chain.name

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

Admin = (<u>username</u>)

      FK: admin.username -> user.username

customer = (<u>username</u> [FK], ccNumber, CVV, ExpDate)

      FK: customer.username > user.username

employee = (<u>username</u>)

FK: employee.username -> user.username

droneTechnician = (<u>username</u> [FK], storeName [FK], chainName [FK])

      FK: droneTechnician.username > employee.username

      FK: droneTechnician.storeName, droneTechnician.chainName > store.name, store.chainName

manager = (<u>username</u> [FK], chainName [FK])

      FK: manager.username > employee.username

      FK: manager.chainName > chain.name

drone = (<u>id</u>, status, zip, radius, droneTechnician [FK])

      FK: drone.droneTechnician > droneTechnician.username

orders = (<u>id</u>, status, date, customerUsername [FK], droneID [FK])

      FK: order.customerUsername > customer.username

      FK: order.droneID > drone.id

contains = (<u>orderID</u> [FK], <u>itemName</u> [FK], <u>chainName</u> [FK], <u>PLUNumber</u> [FK], Quantity)

      FK: contains.orderID > order.id

      FK: contains.itemName, contains.chainName, contains.PLUNumber > chainItem.itemName, chainItem.chainName, chainItem.PLUNumber