**Database Design : Entities and Relationships**

**Entities:**

Storage:

* locationID
* name
* location
* capacity

Item:

* SKU / trackingID
* itemDescription
* itemWeight
* expirationLock (a binary value)
* size
* overStock
* price

Inbound:

* putAway (if it is on the racks or not)
* iOrderID
* iSuggestedLocation
* iDate

Outbound:

* oOrderID
* oSuggestedLocation
* oDate

Customer:

* nName
* \*customerID(added)
* \*email/phone(added)
* homeAddress

Orders:

* \*invoiceNumber(added)
* numberOfOrders
* date

Admin:

* aName
* aLogin
* aPassword
* adminID

Employee:

* eName
* eLogin
* ePassword
* employeeID

Inventory:

* itemID
* quantity
* inventoryID

**Relationships:**

* The orders request the items.
* The inventory is necessary to hold items.
* The customer requests the order.
* Outbound sends the orders out.
* Inbound stores the orders.