ConsumerRole + isConsumer(account): bool + addConsumer(account) + renounceConsumer(account) DistributorRole + isDistributor(account): bool + addDistributor(account) + renounceDistributor(account) FarmerRole + isFarmer(account): bool + addFarmer(account) + renounceFarmer(account) RetailerRole + isRetailer(account): bool + addRetailer(account) + renounceRetailer(account) Ownable + origOwner: address + owner(): address + isOwner(): bool + renounceOwnership() + transferOwnership(newOwner)

SupplyChain

- + owner: address
- + upc: uint
- + sku: uint
- + items: mapping(uint => Item)
- + itemsHistory: mapping(uint => string[])
- + owner(): address
- + isOwner(): bool
- + renounceOwnership()
- + transferOwnership(newOwner)
- + kill()
- + harvestItem(_upc, _originFarmerID, _originFarmName, _originFarmInformation, _originFarmLatitude, _originFarmLongitude, _productNotes)
- + processitem(upc)
- + packItem(upc)
- + sellItem(_upc, _price)
- + buyltem(_upc)
- + shipItem(upc)
- + receiveItem(_upc)
- + purchaseItem(_upc)
- + fetchItemBufferOne(_upc): itemSKU, itemUPC, ownerID, originFarmerID, originFarmName, originFarmInformation, originFarmLatitude
- + fetchItemBufferTwo(_upc): itemSKU, itemUPC, productiD, productNotes, productPrice, itemState, distributorID, retailerID, consumerID