

# State Diagram

## Actors

Farmer

Farmer

Farmer

Farmer

Distributor

Distributor

Retailer

Consumer

## Modifiers

Only  
Farmer

Only  
Farmer  
Harvested

Only  
Farmer  
Processed

Only  
Farmer  
Packed

Only Distributor  
for Sale Paid  
Enough

Only  
Distributor  
Sold

Only  
Retailer  
Shipped

Only  
Consumer  
Recieved

## Functions

harvestItem()

processItem()

packItem()

sellItem()

buyItem()

shipItem()

recieveItem()

purchaseItem()

## States

Harvested

Processed

Packed

forSale

Sold

Shipped

Recieved

Purchased