

# MyAgent

## Current Goal:

(Owns :owner Mark  
:item <Book :name "XML for Dummies"  
:by "Fat Parens">))

## KB:

(User MyAgent  
 <Person Mark :fullname "MarkB"...>)  
(Owns Mark <VHS :name "X Files">))  
(ccardOf Mark  
 <MC cc1 :ccno "9876" :exp 03/03>)  
(ccardOf Mark  
 <VISA cc2 :ccno "1234" :exp ..>)  
(Residence Mark  
 <Address :line1 "44 Sunny Ln" ...>)

## Using ontologies:

mylife.owl, mystuff.owl, owl-s.owl  
econ101.owl

*imports*

# Books4Sale.com

## *Publishes:*

### **Process: BuyBook**

LocalVars: ?item : <Item>,  
?ccard : <CreditCard>

## *Inputs:*

➤ B4STitle : string = ?item.title  
➤ B4SAuthor: string = ?item.author  
B4SQty: int = ?item.qty  
➤ B4Sccname: string = ?ccard.name  
➤ B4Scnum: string = ?ccard.idno  
➤ B4Sshipto: a postalAddress

## *Effects:*

(Owns :owner ?client :item ?item)  
(Shipped :item ?item  
:addr ?B4Sshipto  
:carrier ?B4Scarrier)  
(DebitCC :cc ?ccard :amt ?item.cost))

## Using ontologies:

Books4Sale.owl  
(uses Inventory.owl, econ101.owl,  
ccard.owl, shipping.owl, owl-s.owl...)

*imports*

### **mystuff-inventory-map.owl**

Book ~> Item (qty 1)  
name ó title  
by ó author

### **mylife-ccard-map.owl**

CC ~> CreditCard  
Holder.fullname ó name  
ccno ó idno

*uses*

### **Econ101.owl**

Defines OWNS, axioms for PURCHASE transactions

### **Owl-S.owl**

Defines Service Profile, Process, Grounding

*uses*