



<<Interface>>

UserInterface

```
void purchaseItem(UserDetails userData,
InventoryListing inventory)
    InventoryListing inputSearchDetails()
    void requestSupportContact()
```



<<CompositeDataType>>

UserDetails



<<BasicComponent>>

DatabaseService

SEFFCompartment



DatabaseInterface.queryInventory



DatabaseInterface.storeUserData



DatabaseInterface.updateInventory

PassiveResourcesCompartment

ComponentParameterCompartment

ResourceRequiredRoles



<<BasicComponent>>

OnlineShop

SEFFCompartment



UserInterface.purchaseItem



UserInterface.inputSearchDetails



UserInterface.requestSupportContact

PassiveResourcesCompartment

ComponentParameterCompartment

ResourceRequiredRoles



<<CompositeDataType>>

InventoryListing



<<Interface>>

DatabaseInterface

```
void storeUserData(UserDetails userData)
    InventoryListing queryInventory()
    void updateInventory(InventoryListing
inventory)
```

