

Diagrams for model: rubis-code2model

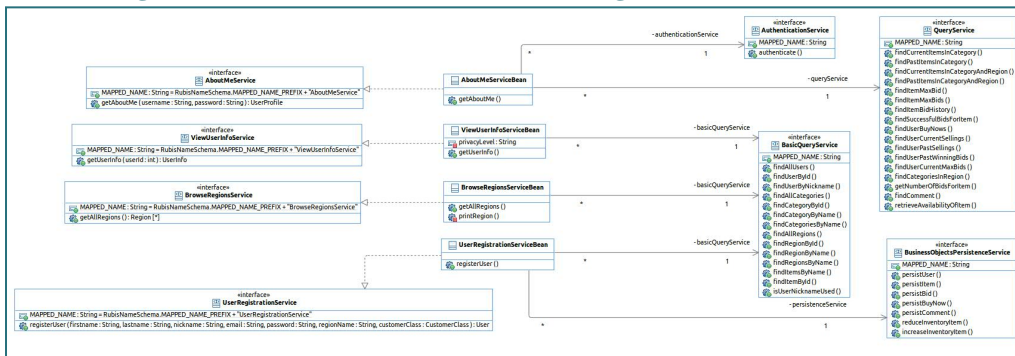
Introduction

No documentation available.

Model Diagrams

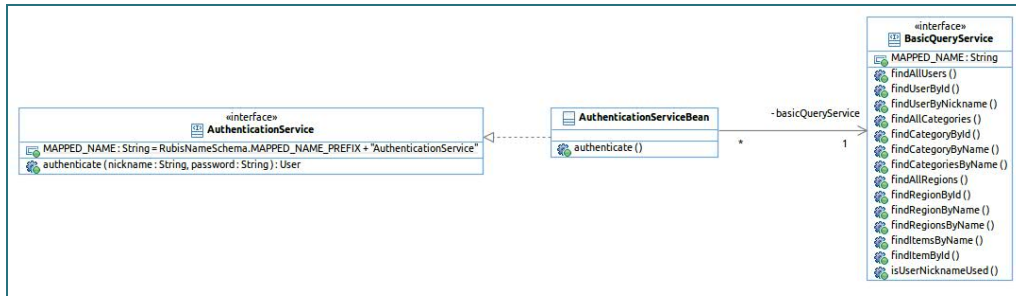
rubis-code2model

User Management Service (Internal View) (Class Diagram)



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Authentication Service (Internal View) (Class Diagram)



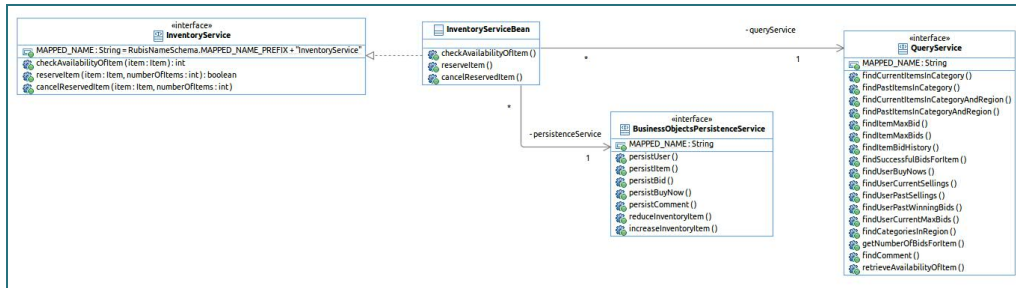
```

classDiagram
    class BidService {
        <<interface>>
        +MAPPED_NAME: String = RuboNameSchema.MAPPED_NAME_PREFIX + "BidService"
        +bidOnItem(int bidPrice: float, maxBidPrice: float, quantity: int, nickname: String, password: String): Bid
        +getItemsBidHistory(int id): Bid[]
        +getItemsBidHistorySortByBidPrice(int id): Bid[]
    }
    class BidServiceImpl {
        +bidOnItem()
        +getItemsBidHistory()
        +getItemsBidHistorySortByBidPrice()
    }
    class BuyNowService {
        <<interface>>
        +MAPPED_NAME: String = RuboNameSchema.MAPPED_NAME_PREFIX + "BuyNowService"
        +buyNowNow(int id, quantity: int, nickname: String, password: String): BuyNow
    }
    class BuyNowServiceImpl {
        +buyItemNow()
    }
    class InventoryService {
        <<interface>>
        +MAPPED_NAME: String
        +checkAvailabilityOfItem()
        +reserveItem()
        +cancelReservedItem()
    }
    class InventoryServiceImpl {
        +checkAvailabilityOfItem()
        +reserveItem()
        +cancelReservedItem()
    }
    class AuthenticationService {
        <<interface>>
        +Authenticate()
    }
    class AuthenticationServiceImpl {
        +authenticate()
    }
    class QueryService {
        <<interface>>
        +MAPPED_NAME: String
        +findCurrentItemCategory()
        +findItemCategory()
        +findItemCategoryAndRegion()
        +findItem()
        +findItemMaxBids()
        +findItemBidHistory()
        +findSuccessfulBidsForItem()
        +findItemByNow()
        +findItemSettings()
        +findItemPastWinningBids()
        +findItemCurrentMaxBids()
        +findCategoryAndRegion()
        +getNumberOBidsForItem()
        +findComment()
        +retrieveAvailabilityOfItem()
    }
    class QueryServiceImpl {
        +findCurrentItemCategory()
        +findItemCategory()
        +findItemCategoryAndRegion()
        +findItem()
        +findItemMaxBids()
        +findItemBidHistory()
        +findSuccessfulBidsForItem()
        +findItemByNow()
        +findItemSettings()
        +findItemPastWinningBids()
        +findItemCurrentMaxBids()
        +findCategoryAndRegion()
        +getNumberOBidsForItem()
        +findComment()
        +retrieveAvailabilityOfItem()
    }
    class BasicQueryService {
        <<interface>>
        +MAPPED_NAME: String
        +findAllUsers()
        +findUserById()
        +findUserByKeyName()
        +findAllCategories()
        +findCategoryById()
        +findCategoryByName()
        +findCategoriesByName()
        +findAllRegions()
        +findRegionById()
        +findRegionByName()
        +findRegionKeyName()
        +findItemById()
        +findItemKeyName()
    }
    class BasicQueryServiceImpl {
        +findAllUsers()
        +findUserById()
        +findUserByKeyName()
        +findAllCategories()
        +findCategoryById()
        +findCategoryByName()
        +findCategoriesByName()
        +findAllRegions()
        +findRegionById()
        +findRegionByName()
        +findRegionKeyName()
        +findItemById()
        +findItemKeyName()
    }
    class BusinessObjectPersistenceService {
        <<interface>>
        +MAPPED_NAME: String
        +persistUser()
        +persistItem()
        +persistItem()
        +persistBid()
        +persistBuyNow()
        +persistComment()
        +reduceInventoryItem()
        +increaseInventoryItem()
    }
    class BusinessObjectPersistenceServiceImpl {
        +persistUser()
        +persistItem()
        +persistItem()
        +persistBid()
        +persistBuyNow()
        +persistComment()
        +reduceInventoryItem()
        +increaseInventoryItem()
    }
    BidService <|-- BidServiceImpl
    BuyNowService <|-- BuyNowServiceImpl
    InventoryService <|-- InventoryServiceImpl
    AuthenticationService <|-- AuthenticationServiceImpl
    QueryService <|-- QueryServiceImpl
    BasicQueryService <|-- BasicQueryServiceImpl
    BusinessObjectPersistenceService <|-- BusinessObjectPersistenceServiceImpl

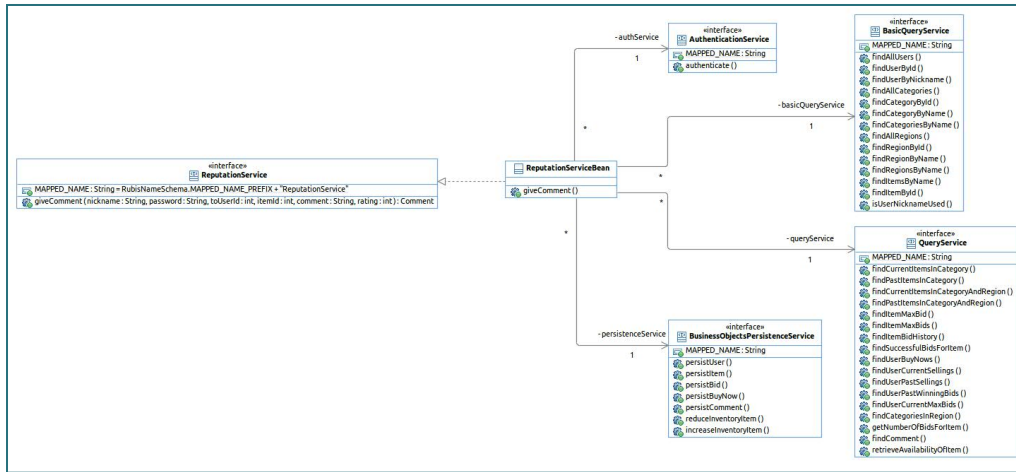
    BidService ..> AuthenticationService : -authService
    BidService ..> QueryService : -authenticationService
    BidService ..> QueryService : -queryService
    BuyNowService ..> QueryService : -authService
    BuyNowService ..> QueryService : -authenticationService
    BuyNowService ..> QueryService : -queryService
    BuyNowService ..> BasicQueryService : -basicQueryService
    BuyNowService ..> BusinessObjectPersistenceService : -persistenceService
    BuyNowService ..> InventoryService : -inventoryService
    InventoryService ..> BusinessObjectPersistenceService : -persistenceService
    InventoryService ..> InventoryServiceImpl : -inventoryService
    AuthenticationServiceImpl ..> AuthenticationServiceImpl : -authenticate
    QueryServiceImpl ..> QueryServiceImpl : -findCurrentItemCategory
    QueryServiceImpl ..> QueryServiceImpl : -findItemCategory
    QueryServiceImpl ..> QueryServiceImpl : -findItemCategoryAndRegion
    QueryServiceImpl ..> QueryServiceImpl : -findItem
    QueryServiceImpl ..> QueryServiceImpl : -findItemMaxBids
    QueryServiceImpl ..> QueryServiceImpl : -findItemBidHistory
    QueryServiceImpl ..> QueryServiceImpl : -findSuccessfulBidsForItem
    QueryServiceImpl ..> QueryServiceImpl : -findItemByNow
    QueryServiceImpl ..> QueryServiceImpl : -findItemSettings
    QueryServiceImpl ..> QueryServiceImpl : -findItemPastWinningBids
    QueryServiceImpl ..> QueryServiceImpl : -findItemCurrentMaxBids
    QueryServiceImpl ..> QueryServiceImpl : -findCategoryAndRegion
    QueryServiceImpl ..> QueryServiceImpl : -getNumberOBidsForItem
    QueryServiceImpl ..> QueryServiceImpl : -findComment
    QueryServiceImpl ..> QueryServiceImpl : -retrieveAvailabilityOfItem
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findAllUsers
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findUserById
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findUserByKeyName
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findAllCategories
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findCategoryById
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findCategoryByName
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findCategoriesByName
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findAllRegions
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findRegionById
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findRegionByName
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findRegionKeyName
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findItemById
    BasicQueryServiceImpl ..> BasicQueryServiceImpl : -findItemKeyName
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistUser
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistItem
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistItem
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistBid
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistBuyNow
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -persistComment
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -reduceInventoryItem
    BusinessObjectPersistenceServiceImpl ..> BusinessObjectPersistenceServiceImpl : -increaseInventoryItem
    InventoryServiceImpl ..> InventoryServiceImpl : -checkAvailabilityOfItem
    InventoryServiceImpl ..> InventoryServiceImpl : -reserveItem
    InventoryServiceImpl ..> InventoryServiceImpl : -cancelReservedItem
  
```

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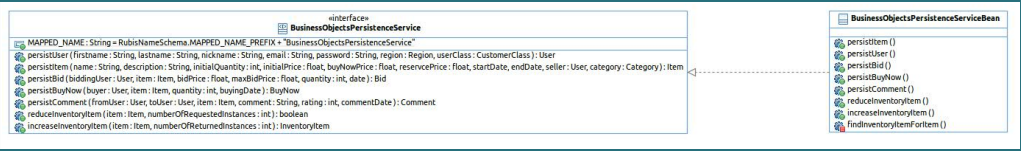
Inventory Service (Internal View) (Class Diagram)



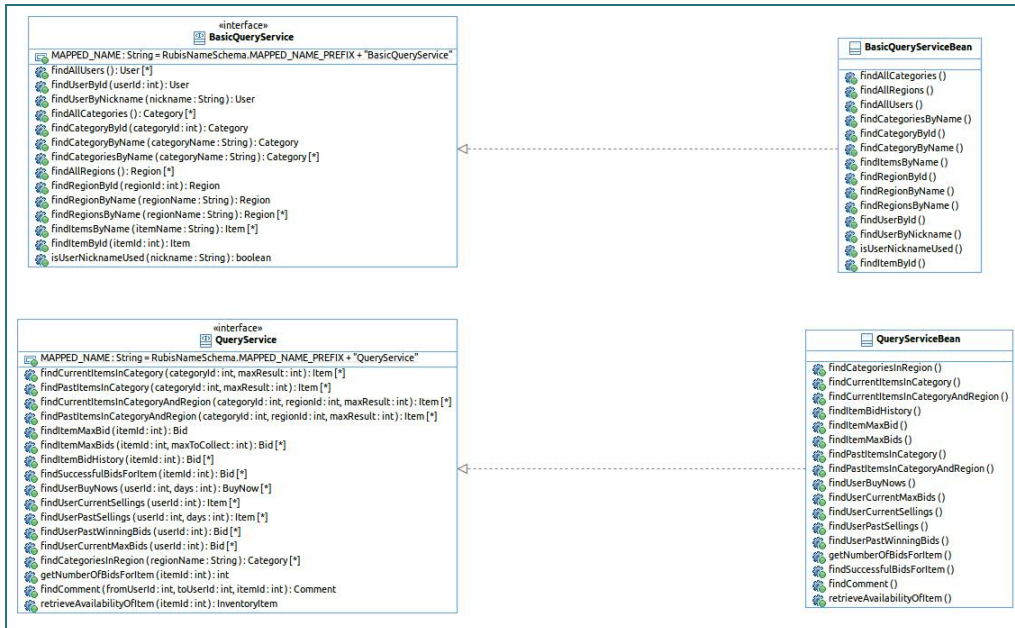
Reputation Service (Internal View) (Class Diagram)



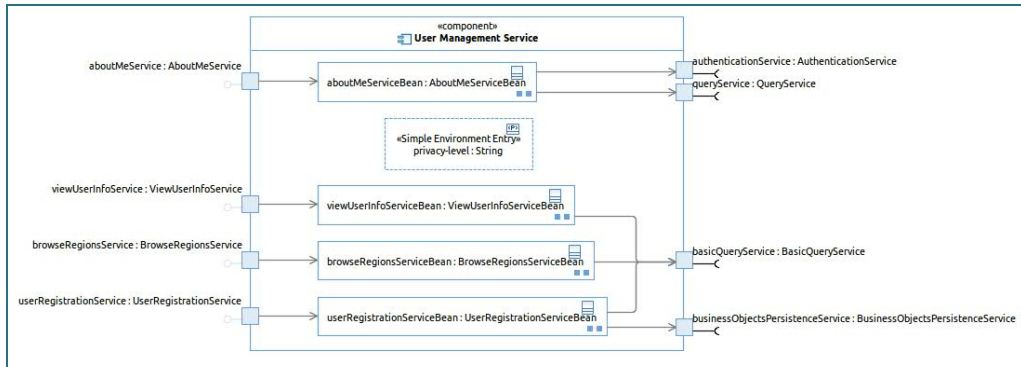
Persistence Service (Internal View) (Class Diagram)



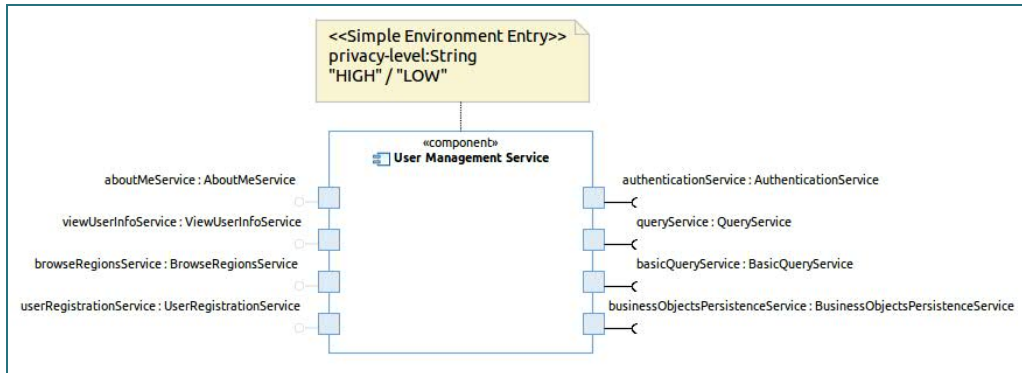
Query Service (Internal View) (Class Diagram)



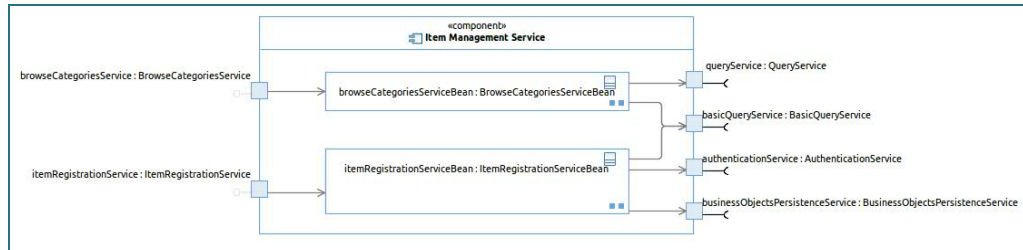
User Management Service (Component White Box View) (Component Diagram)



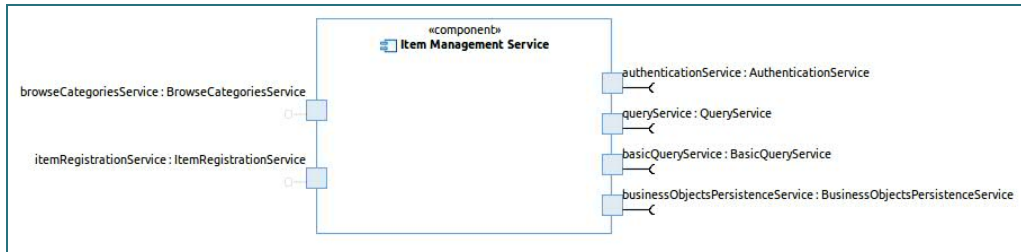
User Management Service (Component Black Box View) (Component Diagram)



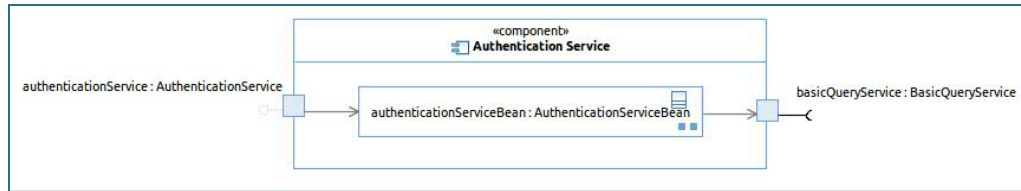
Item Management Service (Component White Box View) (Component Diagram)



Item Management Service (Component Black Box View) (Component Diagram)



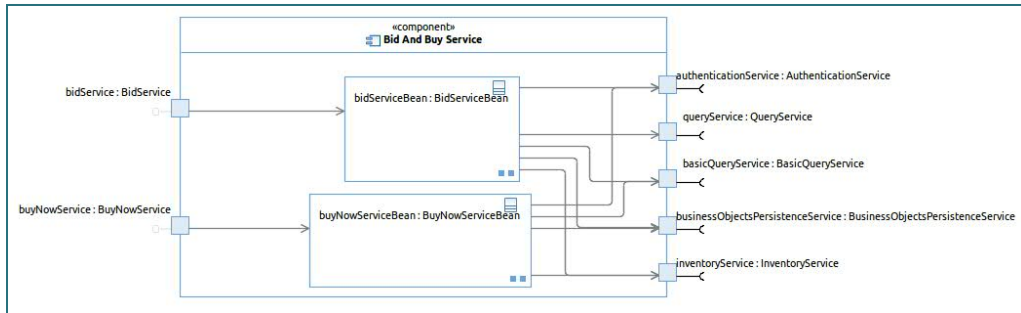
Authentication Service (Component White Box View) (Component Diagram)



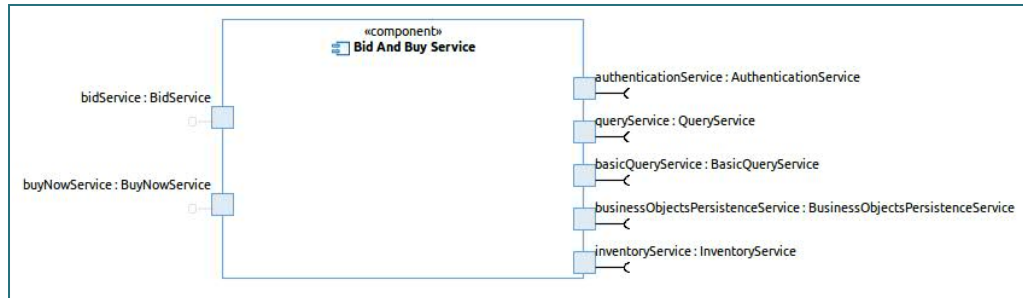
Authentication Service (Component Black Box View) (Component Diagram)



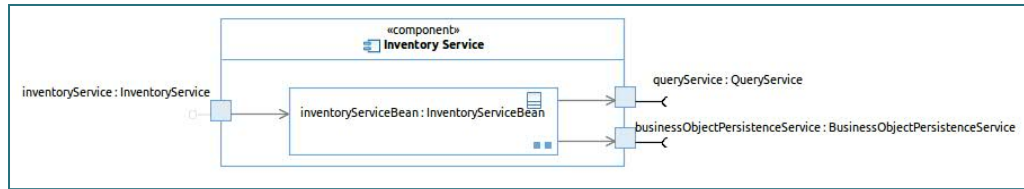
Bid And Buy Service (Component White Box View) (Component Diagram)



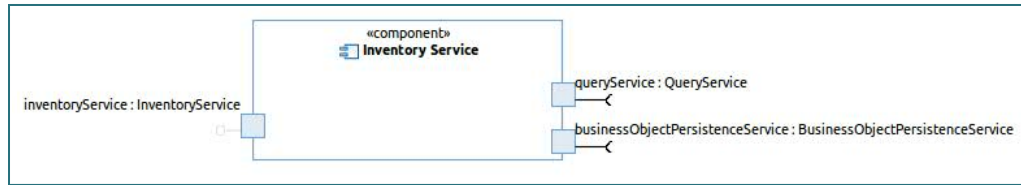
Bid And Buy Service (Component Black Box View) (Component Diagram)



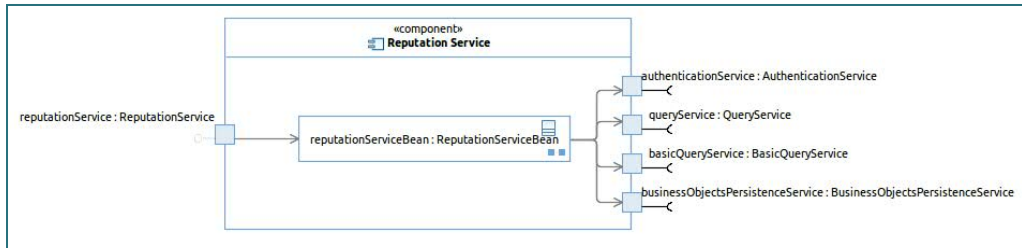
Inventory Service (Component White Box View) (Component Diagram)



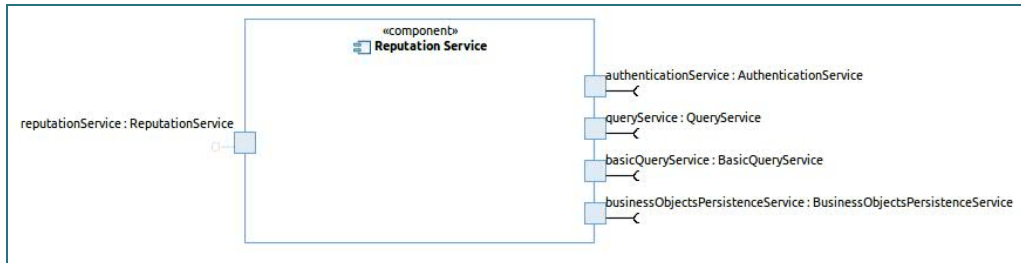
Inventory Service (Component Black Box View) (Component Diagram)



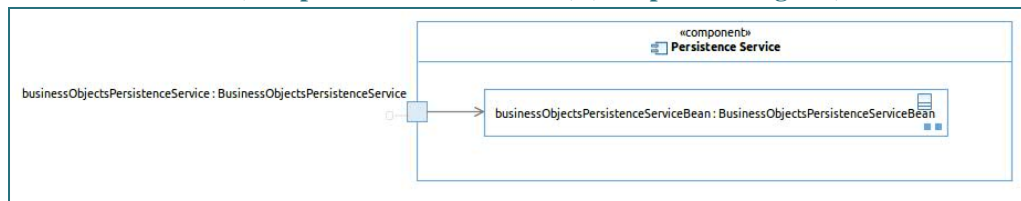
Reputation Service (Component White Box View) (Component Diagram)



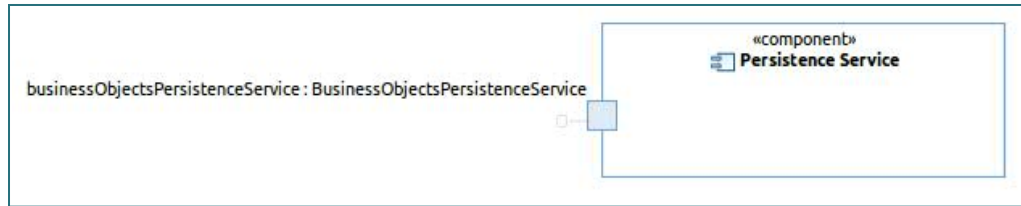
Reputation Service (Component Black Box View) (Component Diagram)



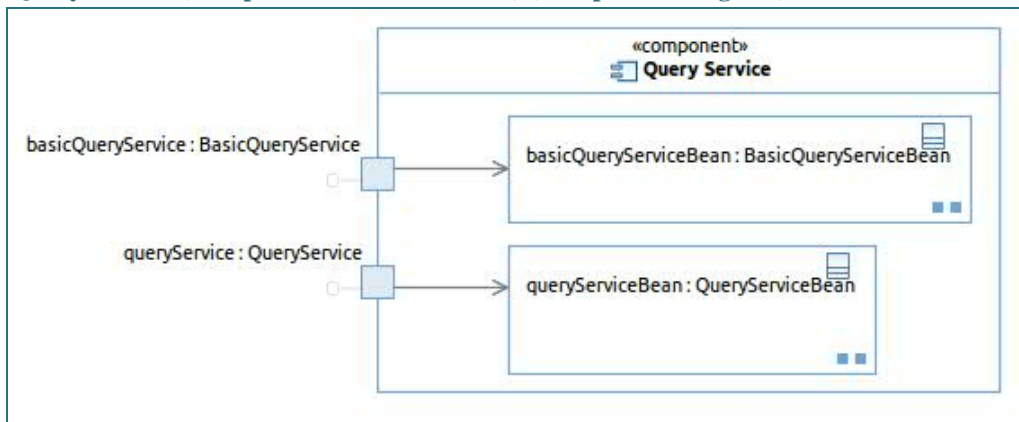
Persistence Service (Component White Box View) (Component Diagram)



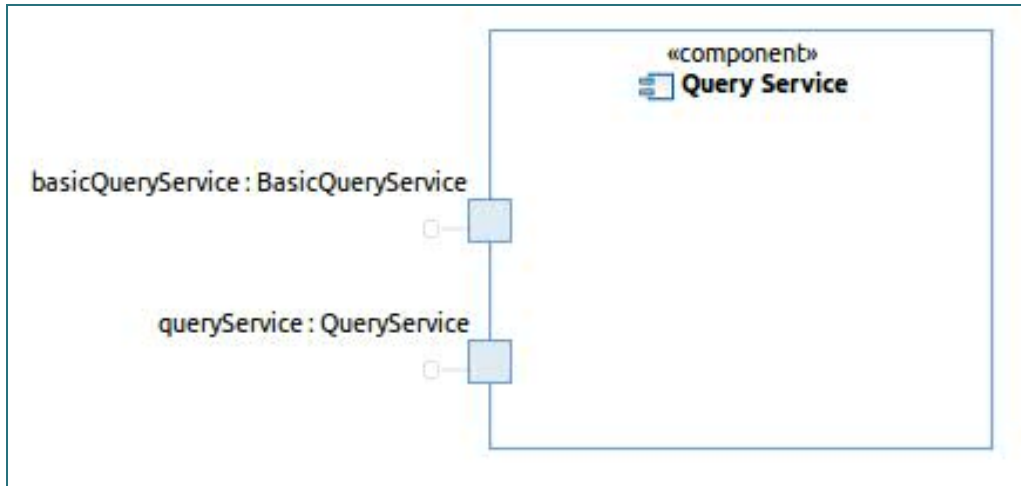
Persistence Service (Component Black Box View) (Component Diagram)



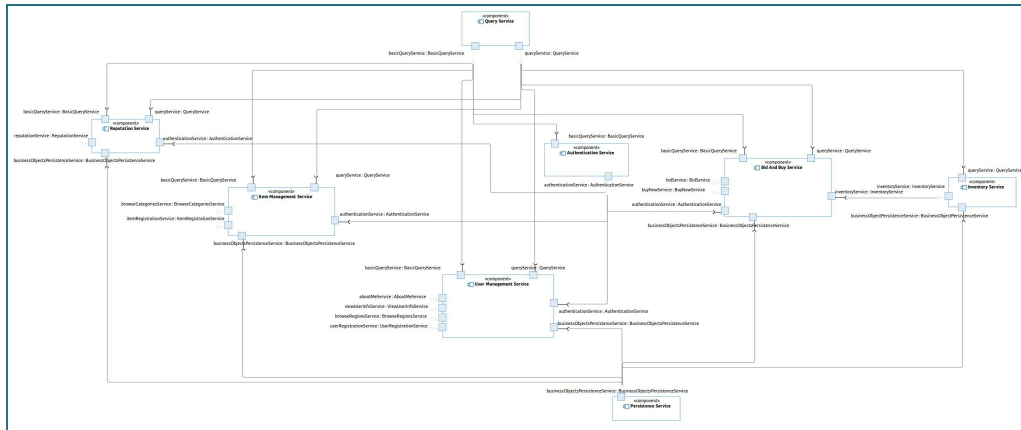
Query Service (Component White Box View) (Component Diagram)



Query Service (Component Black Box View) (Component Diagram)



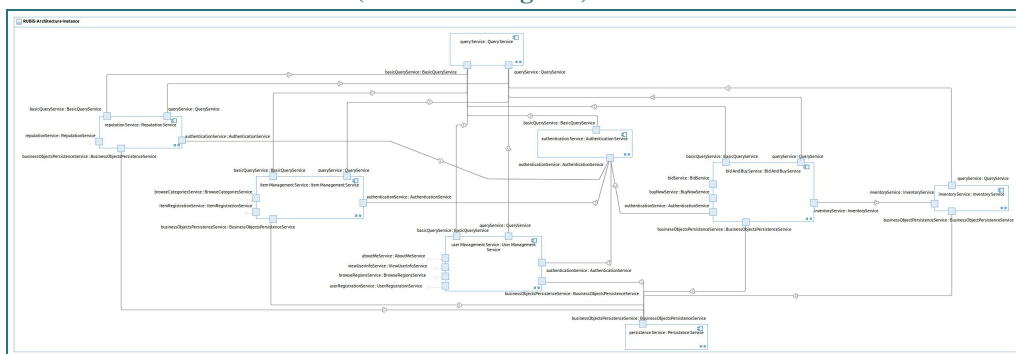
RUBiS-Architecture (Component Diagram)



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RUBiS-Architecture-Instance (Structure Diagram)



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