model

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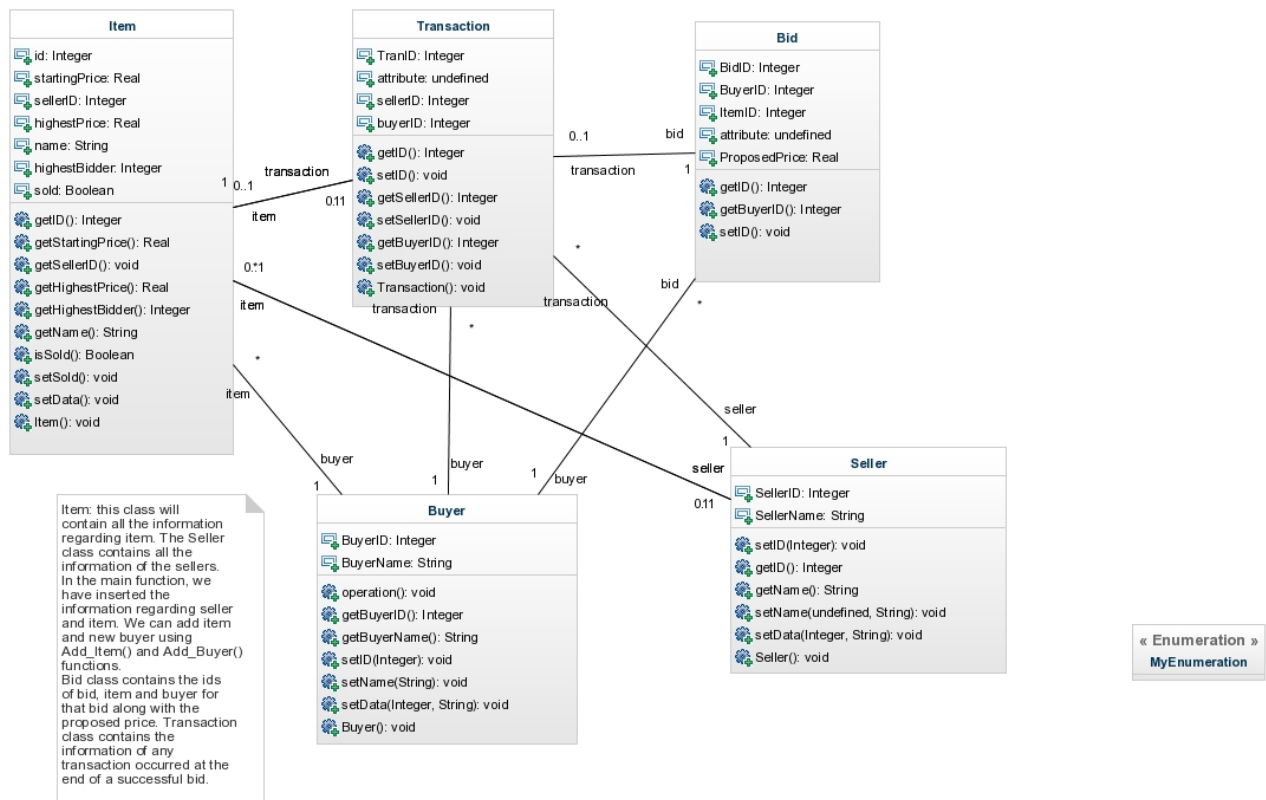# Table of Contents

1. Overview

1.1 Model Description

1.2 Diagrams

2 Classifiers

2.1 Class Item

2.1.1 Attributes

- **id** : Integer [1]

- **startingPrice** : Real [1]

- **sellerID** : Integer [1]

- **highestPrice** : Real [1]

- **name** : String [1]

- **highestBidder** : Integer [1]

- **sold** : Boolean [1]

2.1.2 Generalizations
None

2.1.3 Operations

- Integer **getID** ()

- Real **getStartingPrice** ()

- Void **getSellerID** ()

- Real **getHighestPrice** ()

- Integer **getHighestBidder** ()

- String **getName** ()

- Boolean **isSold** ()

- Void **setSold** ()

- Void **setData** ()

- Void **Item** ()

2.1.4 Associations

- **transaction** : Transaction [0..1]

- **transaction** : Transaction [1]

- **buyer** : Buyer [1]

- **seller** : Seller [0..1]

- **seller** : Seller [1]

2.2 Class Buyer

2.2.1 Attributes

- **BuyerID** : Integer [1]

- **BuyerName** : String [1]

2.2.2 Generalizations
None

2.2.3 Operations

- Void **operation** ()

- Integer **getBuyerID** ()

- String **getBuyerName** ()

- Void **setID** (tid : Integer)

- Void **setName** (tname : String)

- Void **setData** (id : Integer, name : String)

- Void **Buyer** ()

2.2.4 Associations

- **bid** : Bid [*]

- **transaction** : Transaction [*]

- **item** : Item [*]

2.3 Class Transaction

2.3.1 Attributes

- **TranID** : Integer [1]

null

- **sellerID** : Integer [1]

- **buyerID** : Integer [1]

2.3.2 Generalizations
None

2.3.3 Operations

- Integer **getID** ()

- Void **setID** ()

- Integer **getSellerID** ()

- Void **setSellerID** ()

- Integer **getBuyerID** ()

- Void **setBuyerID** ()

- Void **Transaction** ()

2.3.4 Associations

- **item** : Item [0..1]

- **item** : Item [1]

- **buyer** : Buyer [1]

- **bid** : Bid [1]

- **seller** : Seller [1]

2.4 Class Bid

2.4.1 Attributes

- **BidID** : Integer [1]

- **BuyerID** : Integer [1]

- **ItemID** : Integer [1]

null

- **ProposedPrice** : Real [1]

2.4.2 Generalizations
None

2.4.3 Operations

- Integer **getID** ()

- Integer **getBuyerID** ()

- Void **setID** ()

- Integer **getID** ()

- Integer **getBuyerID** ()

- Void **setID** ()

2.4.4 Associations

- **buyer** : Buyer [1]

- **transaction** : Transaction [0..1]

2.5 Class Seller

2.5.1 Attributes

- **SellerID** : Integer [1]

- **SellerName** : String [1]

2.5.2 Generalizations
None

2.5.3 Operations

- Void **setID** (tid : Integer)

- Integer **getID** ()

- String **getName** ()

- Void **setData** (_SellerID : Integer, _SellerName : String)

- Void **Seller** ()

2.5.4 Associations

- **transaction** : Transaction [*]

- **item** : Item [0..1]

- **item** : Item [*]

3 Enumerations

3.2 MyEnumeration

3.2.1 Literals
No literals