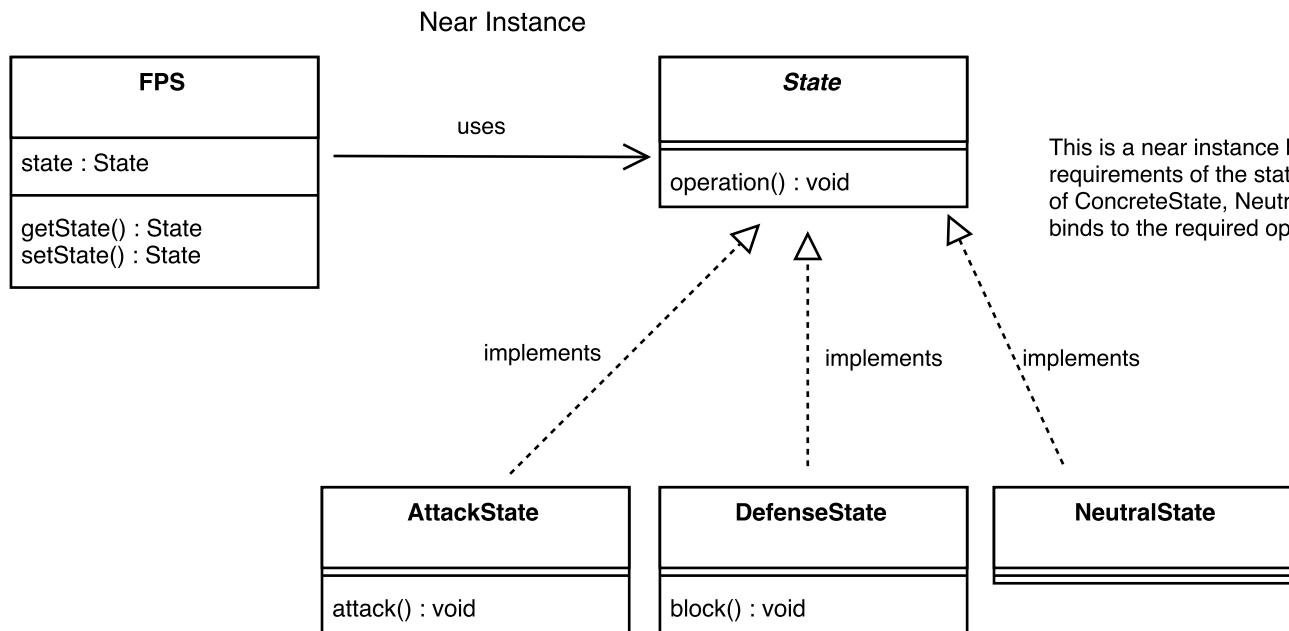
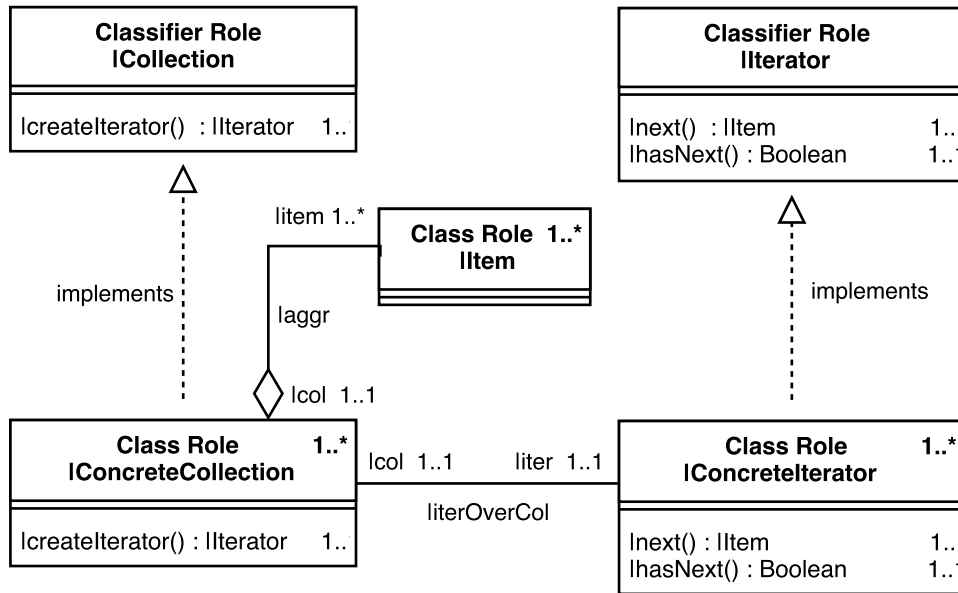


This realization of the state pattern RBML diagram is compliant since every component is realized, and every constraint is satisfied. The FPS class binds to the Context role and includes the required state field, and getState() and setState() methods. The State interface binds to the State role and includes the operation() method. AttackState and DefenseState bind to the ConcreteState role which implements the State interface and each includes a method to bind to the operation() method.

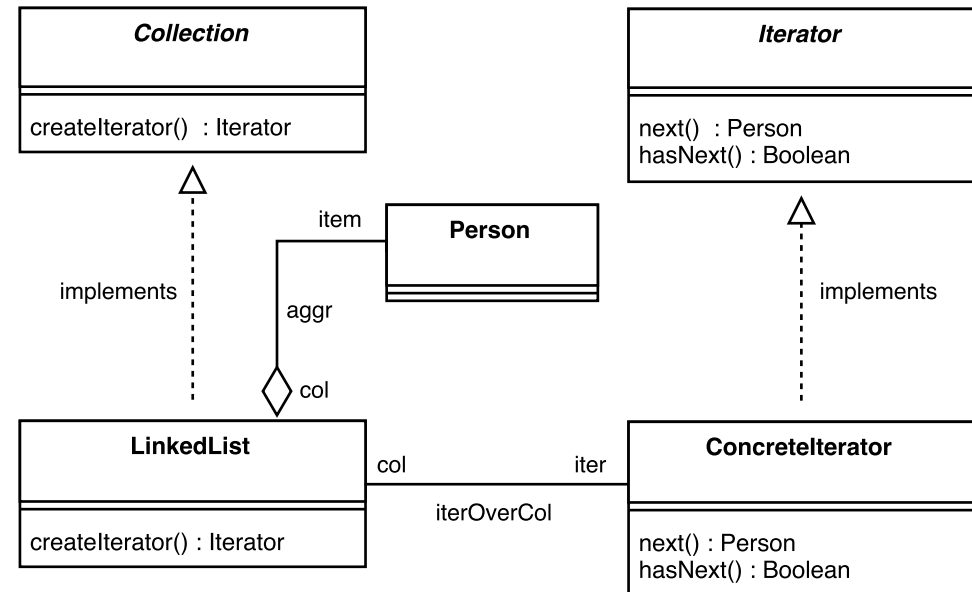


This is a near instance because although it satisfies most of the requirements of the state pattern RBML diagram, it includes an instance of ConcreteState, NeutralState, which does not include a method that binds to the required operation() method.

RBML

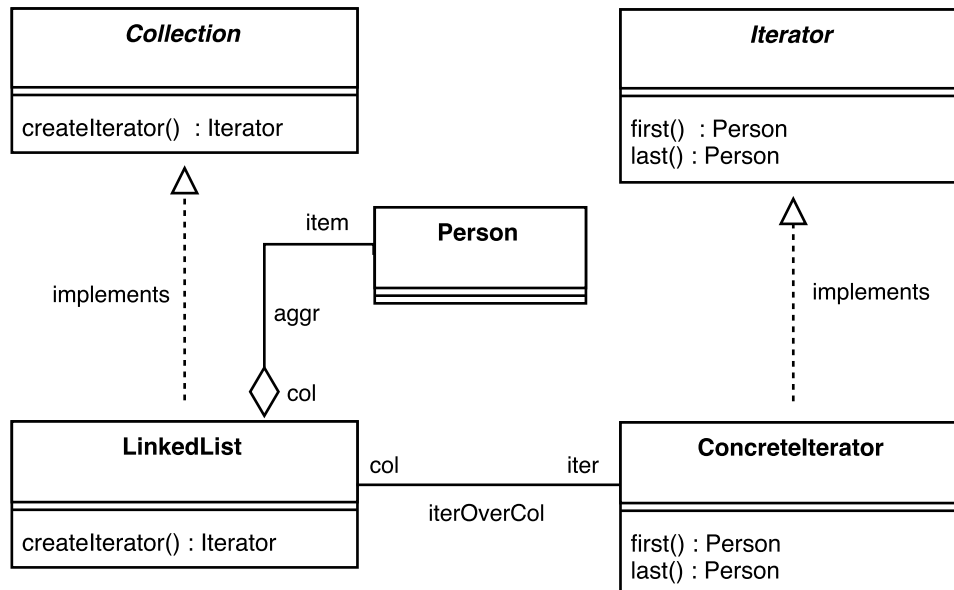


Realization

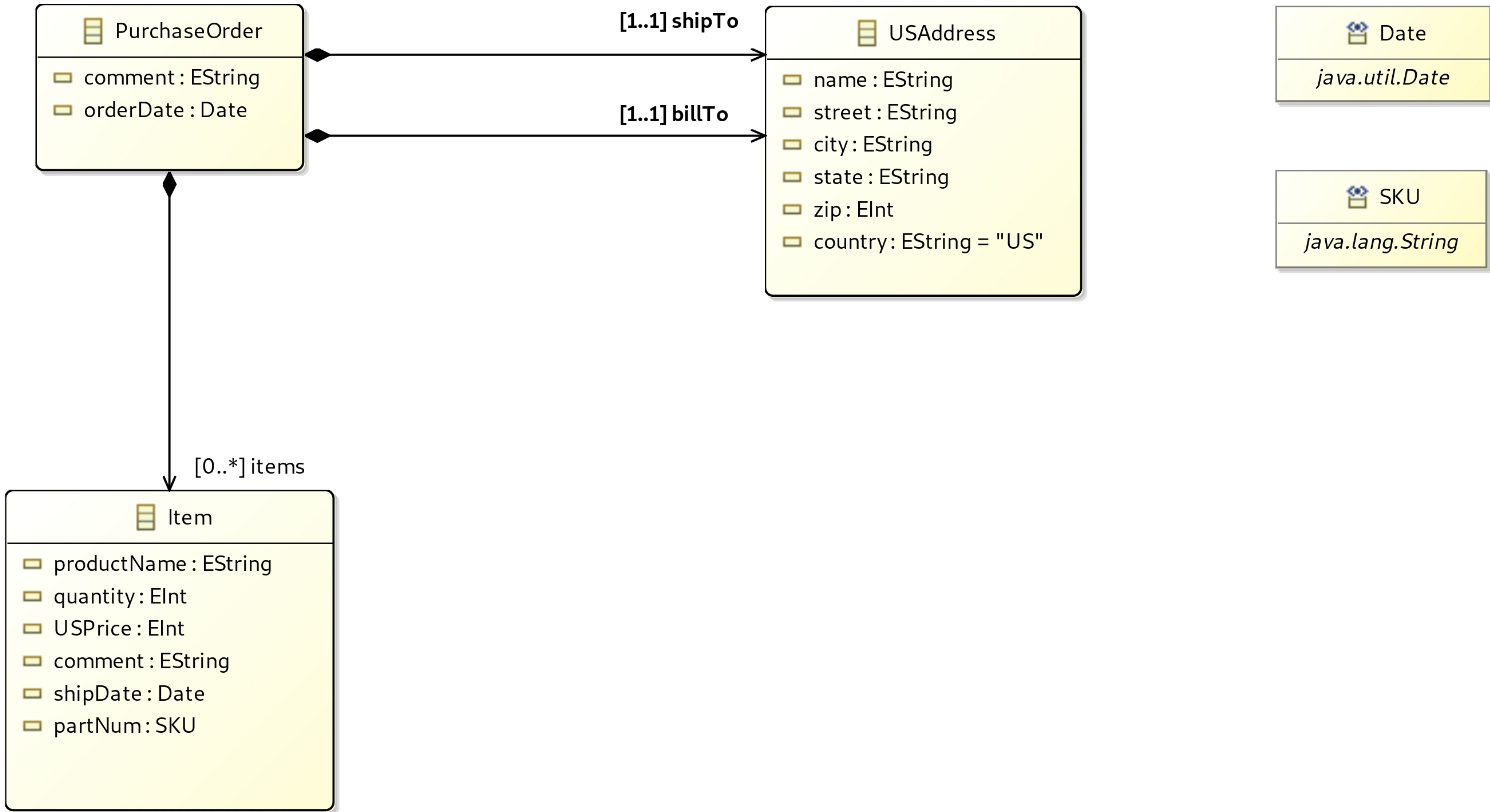


This realization of the iterator pattern RBML diagram provides an instantiation of every required role and satisfies all constraints. The Collection interface binds to the Collection role and includes the necessary createIterator() method, the Iterator interface binds to the Iterator role and includes the next() and hasNext() methods. The LinkedList class binds to the ConcreteCollection role, which implements the Collection interface and is an aggregation of the Person class which is a realization of the Item role. The ConcreteIterator class is a realization of the ConcreteIterator role which implements the Iterator interface and is associated with the LinkedList ConcreteCollection.

Near Instance



This near instance of the iterator pattern RBML diagram since the Iterator interface includes only first() and last() methods which does not satisfy the requirement of having next() and hasNext() methods.



```

/** */ package shelley.irish.purchaseOrder.model.purchaseOrder;
import java.util.Date;
import org.eclipse.emf.ecore.EObject;
/** * * A representation of the model object 'Item'. *
    • The following features are supported:
    •
    •
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getProductName
      Product Name}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getQuantity
      Quantity}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getUSPrice
      US Price}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getComment
      Comment}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getShipDate
      Ship Date}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getPartNum
      Part Num}
    •
    •
    • @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem()
    • @model
    • @generated */ public interface Item extends EObject { /**
      – Returns the value of the 'Product Name' attribute.
      –
      –
      – If the meaning of the 'Product Name' attribute isn't clear,
      – there really should be more of a description here...
      –
      –
      – @return the value of the 'Product Name' attribute.
      – @see #setProductName(String)

```

```

    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem__ProductNam
    - @model
    - @generated */ String getProductName();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getProductName
      Product Name}' attribute.
    -
    -
    - @param value the new value of the 'Product Name' attribute.
    - @see #getProductName()
    - @generated */ void setProductName(String value);
/**
    - Returns the value of the 'Quantity' attribute.
    -
    -
    - If the meaning of the 'Quantity' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Quantity' attribute.
    - @see #setQuantity(int)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem__Quantity()
    - @model
    - @generated */ int getQuantity();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getQuantity
      Quantity}' attribute.
    -
    -
    - @param value the new value of the 'Quantity' attribute.
    - @see #getQuantity()

```

```

    - @generated */ void setQuantity(int value);
/**
    - Returns the value of the 'US Price' attribute.
    -
    -
    - If the meaning of the 'US Price' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'US Price' attribute.
    - @see #setUSPrice(int)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem_USPrice()
    - @model
    - @generated */ int getUSPrice();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#getUSPrice
      US Price}' attribute.
    -
    -
    - @param value the new value of the 'US Price' attribute.
    - @see #getUSPrice()
    - @generated */ void setUSPrice(int value);
/**
    - Returns the value of the 'Comment' attribute.
    -
    -
    - If the meaning of the 'Comment' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Comment' attribute.

```

```

- @see #setComment(String)
- @see shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem_Comment()
- @model
- @generated */ String getComment();
/**
- Sets the value of the '{@link shelly.irish.purchaseOrder.model.purchaseOrder.Item#getComment
  Comment}' attribute.
-
-
- @param value the new value of the 'Comment' attribute.
- @see #getComment()
- @generated */ void setComment(String value);
/**
- Returns the value of the 'Ship Date' attribute.
-
-
- If the meaning of the 'Ship Date' attribute isn't clear,
- there really should be more of a description here...
-
-
- @return the value of the 'Ship Date' attribute.
- @see #setShipDate(Date)
- @see shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem_ShipDate()
- @model dataType="shelly.irish.purchaseOrder.model.purchaseOrder.Date"
- @generated */ Date getShipDate();
/**
- Sets the value of the '{@link shelly.irish.purchaseOrder.model.purchaseOrder.Item#getShipDate
  Ship Date}' attribute.
-
-
- @param value the new value of the 'Ship Date' attribute.

```

```

        - @see #getShipDate()
        - @generated */ void setShipDate(Date value);
    /**
        - Returns the value of the 'Part Num' attribute.
        -
        -
        - If the meaning of the 'Part Num' attribute isn't clear,
        - there really should be more of a description here...
        -
        -
        - @return the value of the 'Part Num' attribute.
        - @see #setPartNum(String)
        - @see shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getItem_PartNum()
        - @model dataType="shelly.irish.purchaseOrder.model.purchaseOrder.SKU"
        - @generated */ String getPartNum();
    /**
        - Sets the value of the '{@link shelly.irish.purchaseOrder.model.purchaseOrder.Item#getPartNum
        Part Num}' attribute.
        -
        -
        - @param value the new value of the 'Part Num' attribute.
        - @see #getPartNum()
        - @generated */ void setPartNum(String value);
    } // Item

```



```

/** */ package shelley.irish.purchaseOrder.model.purchaseOrder;

import org.eclipse.emf.ecore.EFactory;

/** * * The Factory for the model. * It provides a create method for each non-
abstract class of the model. * * @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage
* @generated */ public interface PurchaseOrderFactory extends EFactory { /**
* The singleton instance of the factory. * * * @generated */ PurchaseOrderFactory
eINSTANCE = shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderFactoryImpl
.init();

/**
* Returns a new object of class '<em>Purchase Order</em>'.
* <!-- begin-user-doc -->
* <!-- end-user-doc -->
* @return a new object of class '<em>Purchase Order</em>'.
* @generated
*/
PurchaseOrder createPurchaseOrder();

/**
* Returns a new object of class '<em>Item</em>'.
* <!-- begin-user-doc -->
* <!-- end-user-doc -->
* @return a new object of class '<em>Item</em>'.
* @generated
*/
Item createItem();

/**
* Returns a new object of class '<em>US Address</em>'.
* <!-- begin-user-doc -->
* <!-- end-user-doc -->
* @return a new object of class '<em>US Address</em>'.
* @generated
*/
USAddress createUSAddress();

/**
* Returns the package supported by this factory.
* <!-- begin-user-doc -->
* <!-- end-user-doc -->
* @return the package supported by this factory.
* @generated
*/
PurchaseOrderPackage getPurchaseOrderPackage();
} //PurchaseOrderFactory

```

```

/** */ package shelly.irish.purchaseOrder.model.purchaseOrder;
import java.util.Date;
import org.eclipse.emf.common.util.EList;
import org.eclipse.emf.ecore.EObject;
/** * * A representation of the model object 'Purchase Order'. *
    • The following features are supported:
    •
    •
    • {@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getComment
      Comment}
    • {@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getOrderDate
      Order Date}
    • {@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getShipTo
      Ship To}
    • {@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getBillTo
      Bill To}
    • {@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getItems
      Items}
    •
    •
    • @see shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder()
    • @model
    • @generated */ public interface PurchaseOrder extends EObject { /**
      – Returns the value of the 'Comment' attribute.
      –
      –
      – If the meaning of the 'Comment' attribute isn't clear,
      – there really should be more of a description here...
      –
      –
      – @return the value of the 'Comment' attribute.
      – @see #setComment(String)

```

```

    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder__Co
    - @model
    - @generated */ String getComment();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getCom
      Comment}' attribute.
    -
    -
    - @param value the new value of the 'Comment' attribute.
    - @see #getComment()
    - @generated */ void setComment(String value);
/**
    - Returns the value of the 'Order Date' attribute.
    -
    -
    - If the meaning of the 'Order Date' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Order Date' attribute.
    - @see #setOrderDate(Date)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder__Or
    - @model dataType="shelley.irish.purchaseOrder.model.purchaseOrder.Date"
    - @generated */ Date getOrderDate();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getOrde
      Order Date}' attribute.
    -
    -
    - @param value the new value of the 'Order Date' attribute.
    - @see #getOrderDate()

```

```

    - @generated */ void setOrderDate(Date value);
/**
    - Returns the value of the 'Ship To' containment reference.
    -
    -
    - If the meaning of the 'Ship To' containment reference isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Ship To' containment reference.
    - @see #setShipTo(USAddress)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder_Sh
    - @model containment="true" required="true"
    - @generated */ USAddress getShipTo();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getShip
      Ship To}' containment reference.
    -
    -
    - @param value the new value of the 'Ship To' containment reference.
    - @see #getShipTo()
    - @generated */ void setShipTo(USAddress value);
/**
    - Returns the value of the 'Bill To' containment reference.
    -
    -
    - If the meaning of the 'Bill To' containment reference isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Bill To' containment reference.

```

```

- @see #setBillTo(USAddress)
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder_Bi
- @model containment="true" required="true"
- @generated */ USAddress getBillTo();
/**
- Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getBillTo
  Bill To}' containment reference.
-
-
- @param value the new value of the 'Bill To' containment reference.
- @see #getBillTo()
- @generated */ void setBillTo(USAddress value);
/**
- Returns the value of the 'Items' containment reference list.
- The list contents are of type {@link shelley.irish.purchaseOrder.model.purchaseOrder.Item}.
-
-
- If the meaning of the 'Items' containment reference list isn't clear,
- there really should be more of a description here...
-
-
- @return the value of the 'Items' containment reference list.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getPurchaseOrder_It
- @model containment="true"
- @generated */ EList getItems();
} // PurchaseOrder

```

```

/** */ package shelley.irish.purchaseOrder.model.purchaseOrder;

import org.eclipse.emf.ecore.EAttribute; import org.eclipse.emf.ecore.EClass;
import org.eclipse.emf.ecore.EDatatype; import org.eclipse.emf.ecore.ERPackage;
import org.eclipse.emf.ecore.EReference;

/** * * The Package for the model. * It contains accessors for the meta objects
to represent *

    • each class,
    • each feature of each class,
    • each operation of each class,
    • each enum,
    • and each data type
    •
    •
    • @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderFactory
    • @model kind="package"
    • @generated */ public interface PurchaseOrderPackage extends EPackage {
/**
    – The package name.
    –
    –
    – @generated */ String eNAME = "purchaseOrder";
/**
    – The package namespace URI.
    –
    –
    – @generated */ String eNS_URI = "http://www.example.org/purchaseOrder";
/**
    – The package namespace name.
    –
    –
    – @generated */ String eNS_PREFIX = "purchaseOrder";
/**

```

```

- The singleton instance of the package.
-
-
- @generated */ PurchaseOrderPackage eINSTANCE = shel-
  ley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl
  .init();
/**
- The meta object id for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrder
  Purchase Order}' class.
-
-
- @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderImpl
- @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getPurchaseOrder()
- @generated */ int PURCHASE_ORDER = 0;
/**
- The feature id for the 'Comment' attribute.
-
-
- @generated
- @ordered */ int PURCHASE_ORDER__COMMENT = 0;
/**
- The feature id for the 'Order Date' attribute.
-
-
- @generated
- @ordered */ int PURCHASE_ORDER__ORDER_DATE = 1;
/**
- The feature id for the 'Ship To' containment reference.
-
-
- @generated
- @ordered */ int PURCHASE_ORDER__SHIP_TO = 2;

```

```

/**
    - The feature id for the 'Bill To' containment reference.
    -
    -
    - @generated
    - @ordered */ int PURCHASE_ORDER__BILL_TO = 3;
/**
    - The feature id for the 'Items' containment reference list.
    -
    -
    - @generated
    - @ordered */ int PURCHASE_ORDER__ITEMS = 4;
/**
    - The number of structural features of the 'Purchase Order' class.
    -
    -
    - @generated
    - @ordered */ int PURCHASE_ORDER_FEATURE_COUNT = 5;
/**
    - The number of operations of the 'Purchase Order' class.
    -
    -
    - @generated
    - @ordered */ int PURCHASE_ORDER_OPERATION_COUNT =
    0;
/**
    - The meta object id for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.ItemImpl
    Item}' class.
    -
    -
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.ItemImpl

```



```

- @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getItem()
- @generated */ int ITEM = 1;
/**
- The feature id for the 'Product Name' attribute.
-
-
- @generated
- @ordered */ int ITEM__PRODUCT_NAME = 0;
/**
- The feature id for the 'Quantity' attribute.
-
-
- @generated
- @ordered */ int ITEM__QUANTITY = 1;
/**
- The feature id for the 'US Price' attribute.
-
-
- @generated
- @ordered */ int ITEM__US_PRICE = 2;
/**
- The feature id for the 'Comment' attribute.
-
-
- @generated
- @ordered */ int ITEM__COMMENT = 3;
/**
- The feature id for the 'Ship Date' attribute.
-
-
- @generated

```

```

    - @ordered */ int ITEM__SHIP__DATE = 4;
/**
    - The feature id for the 'Part Num' attribute.
    -
    -
    - @generated
    - @ordered */ int ITEM__PART__NUM = 5;
/**
    - The number of structural features of the 'Item' class.
    -
    -
    - @generated
    - @ordered */ int ITEM__FEATURE__COUNT = 6;
/**
    - The number of operations of the 'Item' class.
    -
    -
    - @generated
    - @ordered */ int ITEM__OPERATION__COUNT = 0;
/**
    - The meta object id for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.USAddressImpl
      US Address}' class.
    -
    -
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.USAddressImpl
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getUSAddress()
    - @generated */ int US__ADDRESS = 2;
/**
    - The feature id for the 'Name' attribute.
    -
    -

```

```

- @generated
- @ordered */ int US_ADDRESS__NAME = 0;
/**
- The feature id for the 'Street' attribute.
-
-
- @generated
- @ordered */ int US_ADDRESS__STREET = 1;
/**
- The feature id for the 'City' attribute.
-
-
- @generated
- @ordered */ int US_ADDRESS__CITY = 2;
/**
- The feature id for the 'State' attribute.
-
-
- @generated
- @ordered */ int US_ADDRESS__STATE = 3;
/**
- The feature id for the 'Zip' attribute.
-
-
- @generated
- @ordered */ int US_ADDRESS__ZIP = 4;
/**
- The feature id for the 'Country' attribute.
-
-
- @generated

```

```

    - @ordered */ int US_ADDRESS__COUNTRY = 5;
/**
    - The number of structural features of the 'US Address' class.
    -
    -
    - @generated
    - @ordered */ int US_ADDRESS_FEATURE_COUNT = 6;
/**
    - The number of operations of the 'US Address' class.
    -
    -
    - @generated
    - @ordered */ int US_ADDRESS_OPERATION_COUNT = 0;
/**
    - The meta object id for the 'Date' data type.
    -
    -
    - @see java.util.Date
    - @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getDate()
    - @generated */ int DATE = 3;
/**
    - The meta object id for the 'SKU' data type.
    -
    -
    - @see java.lang.String
    - @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getSKU()
    - @generated */ int SKU = 4;
/**
    - Returns the meta object for class '{@link shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder
      Purchase Order}'.
    -

```

```

-
- @return the meta object for class 'Purchase Order'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder
- @generated */ EClass getPurchaseOrder();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#Comment}'.
-
-
- @return the meta object for the attribute 'Comment'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getComment()
- @see #getPurchaseOrder()
- @generated */ EAttribute getPurchaseOrder__Comment();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#Order Date}'.
-
-
- @return the meta object for the attribute 'Order Date'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getOrderDate()
- @see #getPurchaseOrder()
- @generated */ EAttribute getPurchaseOrder__OrderDate();
/**
- Returns the meta object for the containment reference '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getShipTo Ship To}'.
-
-
- @return the meta object for the containment reference 'Ship To'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getShipTo()
- @see #getPurchaseOrder()
- @generated */ EReference getPurchaseOrder__ShipTo();

```

```

/**
    - Returns the meta object for the containment reference '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getBillTo Bill To}'.
    -
    -
    - @return the meta object for the containment reference 'Bill To'.
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getBillTo()
    - @see #getPurchaseOrder()
    - @generated */ EReference getPurchaseOrder_BillTo();
/**
    - Returns the meta object for the containment reference list '{@link shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getItems Items}'.
    -
    -
    - @return the meta object for the containment reference list 'Items'.
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrder#getItems()
    - @see #getPurchaseOrder()
    - @generated */ EReference getPurchaseOrder_Items();
/**
    - Returns the meta object for class '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item Item}'.
    -
    -
    - @return the meta object for class 'Item'.
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.Item
    - @generated */ EClass getItem();
/**
    - Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item#productName Product Name}'.
    -
    -

```

```

- @return the meta object for the attribute 'Product Name'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getProductName()
- @see #getItem()
- @generated */ EAttribute getItem_ProductName();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item
Quantity}'.
-
-
- @return the meta object for the attribute 'Quantity'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getQuantity()
- @see #getItem()
- @generated */ EAttribute getItem_Quantity();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item
US Price}'.
-
-
- @return the meta object for the attribute 'US Price'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getUSPrice()
- @see #getItem()
- @generated */ EAttribute getItem_USPrice();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item
Comment}'.
-
-
- @return the meta object for the attribute 'Comment'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getComment()
- @see #getItem()
- @generated */ EAttribute getItem_Comment();
/**

```

```

- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item
  Ship Date}'.
-
-
- @return the meta object for the attribute 'Ship Date'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getShipDate()
- @see #getItem()
- @generated */ EAttribute getItem_ShipDate();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.Item
  Part Num}'.
-
-
- @return the meta object for the attribute 'Part Num'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.Item#getPartNum()
- @see #getItem()
- @generated */ EAttribute getItem_PartNum();
/**
- Returns the meta object for class '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress
  US Address}'.
-
-
- @return the meta object for class 'US Address'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress
- @generated */ EClass getUSAddress();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.US
  Name}'.
-
-
- @return the meta object for the attribute 'Name'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getName()

```



```

- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_Name();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#Street}'.
-
-
- @return the meta object for the attribute 'Street'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getStreet()
- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_Street();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#City}'.
-
-
- @return the meta object for the attribute 'City'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCity()
- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_City();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#State}'.
-
-
- @return the meta object for the attribute 'State'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getState()
- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_State();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#Zip}'.

```

```

-
-
- @return the meta object for the attribute 'Zip'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getZip()
- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_Zip();
/**
- Returns the meta object for the attribute '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCountry()}'
-
-
- @return the meta object for the attribute 'Country'.
- @see shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCountry()
- @see #getUSAddress()
- @generated */ EAttribute getUSAddress_Country();
/**
- Returns the meta object for data type '{@link java.util.Date Date}'.
-
-
- @return the meta object for data type 'Date'.
- @see java.util.Date
- @model instanceClass="java.util.Date"
- @generated */ EDataType getDate();
/**
- Returns the meta object for data type '{@link java.lang.String SKU}'.
-
-
- @return the meta object for data type 'SKU'.
- @see java.lang.String
- @model instanceClass="java.lang.String"
- @generated */ EDataType getSKU();

```

```

/**
    - Returns the factory that creates the instances of the model.
    -
    -
    - @return the factory that creates the instances of the model.
    - @generated */ PurchaseOrderFactory getPurchaseOrderFactory();
/**
    -
    - Defines literals for the meta objects that represent
    -
    - each class,
    - each feature of each class,
    - each operation of each class,
    - each enum,
    - and each data type
    -
    -
    - @generated */ interface Literals { /**
        * The meta object literal for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderImpl}' class.
        *
        *
        * @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderImpl
        * @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getPurchaseOrder()
        * @generated */ EClass PURCHASE_ORDER = eINSTANCE.getPurchaseOrder();
    /**
        * The meta object literal for the 'Comment' attribute feature.
        *
        *
        *
        * @generated */ EAttribute PURCHASE_ORDER__COMMENT = eINSTANCE.getPurchaseOrder__Comment();

```

```

/**
 * The meta object literal for the 'Order Date' attribute feature.
 *
 *
 * @generated */ EAttribute PURCHASE_ORDER__ORDER_DATE
    = eINSTANCE.getPurchaseOrder_OrderDate();
/**
 * The meta object literal for the 'Ship To' containment reference
    feature.
 *
 *
 * @generated */ EReference PURCHASE_ORDER__SHIP_TO
    = eINSTANCE.getPurchaseOrder_ShipTo();
/**
 * The meta object literal for the 'Bill To' containment reference
    feature.
 *
 *
 * @generated */ EReference PURCHASE_ORDER__BILL_TO
    = eINSTANCE.getPurchaseOrder_BillTo();
/**
 * The meta object literal for the 'Items' containment reference list
    feature.
 *
 *
 * @generated */ EReference PURCHASE_ORDER__ITEMS =
    eINSTANCE.getPurchaseOrder_Items();
/**
 * The meta object literal for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.Item
    Item}' class.
 *
 *
 * @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.ItemImpl

```

```

    * @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getItem
    * @generated */ EClass ITEM = eINSTANCE.getItem();
/**
 * The meta object literal for the 'Product Name' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__PRODUCT_NAME = eIN-
    STANCE.getItem_ProductName();
/**
 * The meta object literal for the 'Quantity' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__QUANTITY = eIN-
    STANCE.getItem_Quantity();
/**
 * The meta object literal for the 'US Price' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__US_PRICE = eIN-
    STANCE.getItem_USPrice();
/**
 * The meta object literal for the 'Comment' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__COMMENT = eIN-
    STANCE.getItem_Comment();
/**
 * The meta object literal for the 'Ship Date' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__SHIP_DATE = eIN-
    STANCE.getItem_ShipDate();

```

```

/**
 * The meta object literal for the 'Part Num' attribute feature.
 *
 *
 * @generated */ EAttribute ITEM__PART_NUM = eIN-
STANCE.getItem_PartNum();
/**
 * The meta object literal for the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.impl.USAddress
US Address}' class.
 *
 *
 * @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.USAddressImpl
 * @see shelley.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getUSAddress()
 * @generated */ EClass US_ADDRESS = eINSTANCE.getUSAddress();
/**
 * The meta object literal for the 'Name' attribute feature.
 *
 *
 *
 * @generated */ EAttribute US_ADDRESS__NAME = eIN-
STANCE.getUSAddress_Name();
/**
 * The meta object literal for the 'Street' attribute feature.
 *
 *
 *
 * @generated */ EAttribute US_ADDRESS__STREET = eIN-
STANCE.getUSAddress_Street();
/**
 * The meta object literal for the 'City' attribute feature.
 *
 *
 *
 * @generated */ EAttribute US_ADDRESS__CITY = eIN-
STANCE.getUSAddress_City();

```

```

/**
 * The meta object literal for the 'State' attribute feature.
 *
 *
 * @generated */ EAttribute US_ADDRESS__STATE = eIN-
STANCE.getUSAddress_State();
/**
 * The meta object literal for the 'Zip' attribute feature.
 *
 *
 * @generated */ EAttribute US_ADDRESS__ZIP = eIN-
STANCE.getUSAddress_Zip();
/**
 * The meta object literal for the 'Country' attribute feature.
 *
 *
 * @generated */ EAttribute US_ADDRESS__COUNTRY = eIN-
STANCE.getUSAddress_Country();
/**
 * The meta object literal for the 'Date' data type.
 *
 *
 * @see java.util.Date
 * @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getDate()
 * @generated */ EDataType DATE = eINSTANCE.getDate();
/**
 * The meta object literal for the 'SKU' data type.
 *
 *
 * @see java.lang.String
 * @see shelly.irish.purchaseOrder.model.purchaseOrder.impl.PurchaseOrderPackageImpl#getSKU()
 * @generated */ EDataType SKU = eINSTANCE.getSKU();

```

```
    }  
  } //PurchaseOrderPackage
```



```

/** */ package shelley.irish.purchaseOrder.model.purchaseOrder;
import org.eclipse.emf.ecore.EObject;
/** * * A representation of the model object 'US Address'. *
    • The following features are supported:
    •
    •
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getName
      Name}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getStreet
      Street}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCity
      City}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getState
      State}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getZip
      Zip}
    • {@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCountry
      Country}
    •
    •
    • @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress()
    • @model
    • @generated */ public interface USAddress extends EObject { /**
      – Returns the value of the 'Name' attribute.
      –
      –
      – If the meaning of the 'Name' attribute isn't clear,
      – there really should be more of a description here...
      –
      –
      – @return the value of the 'Name' attribute.
      – @see #setName(String)
      – @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress_Name()

```

```

    - @model
    - @generated */ String getName();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getName
      Name}' attribute.
    -
    -
    - @param value the new value of the 'Name' attribute.
    - @see #getName()
    - @generated */ void setName(String value);
/**
    - Returns the value of the 'Street' attribute.
    -
    -
    - If the meaning of the 'Street' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Street' attribute.
    - @see #setStreet(String)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress__Street
    - @model
    - @generated */ String getStreet();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getStreet
      Street}' attribute.
    -
    -
    - @param value the new value of the 'Street' attribute.
    - @see #getStreet()
    - @generated */ void setStreet(String value);

```

```

/**
    - Returns the value of the ‘City’ attribute.
    -
    -
    - If the meaning of the ‘City’ attribute isn’t clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the ‘City’ attribute.
    - @see #setCity(String)
    - @see shelly.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress_City()
    - @model
    - @generated */ String getCity();
/**
    - Sets the value of the ‘{@link shelly.irish.purchaseOrder.model.purchaseOrder.USAddress#getCity
    City}’ attribute.
    -
    -
    - @param value the new value of the ‘City’ attribute.
    - @see #getCity()
    - @generated */ void setCity(String value);
/**
    - Returns the value of the ‘State’ attribute.
    -
    -
    - If the meaning of the ‘State’ attribute isn’t clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the ‘State’ attribute.
    - @see #setState(String)

```

```

    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress_State()
    - @model
    - @generated */ String getState();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getStateState}' attribute.
    -
    -
    - @param value the new value of the 'State' attribute.
    - @see #getState()
    - @generated */ void setState(String value);
/**
    - Returns the value of the 'Zip' attribute.
    -
    -
    - If the meaning of the 'Zip' attribute isn't clear,
    - there really should be more of a description here...
    -
    -
    - @return the value of the 'Zip' attribute.
    - @see #setZip(int)
    - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress_Zip()
    - @model
    - @generated */ int getZip();
/**
    - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#setZipZip}' attribute.
    -
    -
    - @param value the new value of the 'Zip' attribute.
    - @see #getZip()

```

```

        - @generated */ void setZip(int value);
    /**
        - Returns the value of the 'Country' attribute.
        - The default value is "US".
        -
        -
        - If the meaning of the 'Country' attribute isn't clear,
        - there really should be more of a description here...
        -
        -
        - @return the value of the 'Country' attribute.
        - @see #setCountry(String)
        - @see shelley.irish.purchaseOrder.model.purchaseOrder.PurchaseOrderPackage#getUSAddress__Country()
        - @model default="US"
        - @generated */ String getCountry();
    /**
        - Sets the value of the '{@link shelley.irish.purchaseOrder.model.purchaseOrder.USAddress#getCountry() Country}' attribute.
        -
        -
        - @param value the new value of the 'Country' attribute.
        - @see #getCountry()
        - @generated */ void setCountry(String value);
    } // USAddress

```