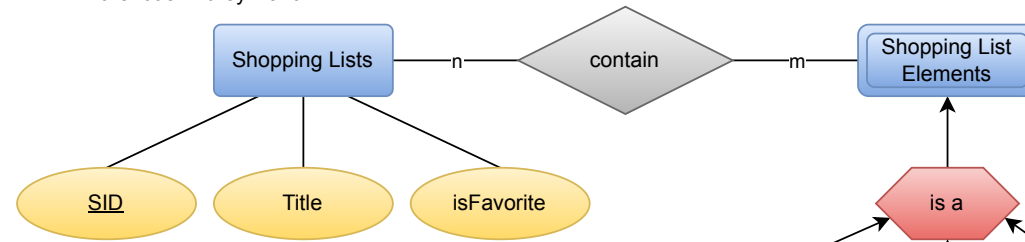
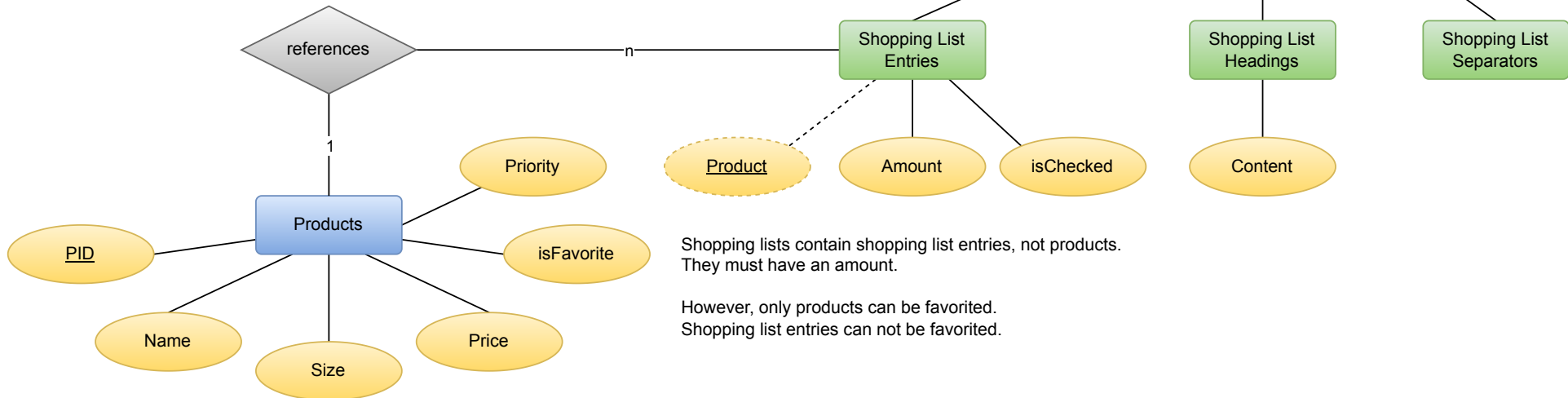


Should shopping lists have a date?  
Perhaps leave it out, the user can put it in  
the 'title' if they want.



A shopping list contains many shopping list element.  
A shopping list element can belong to many shopping lists.

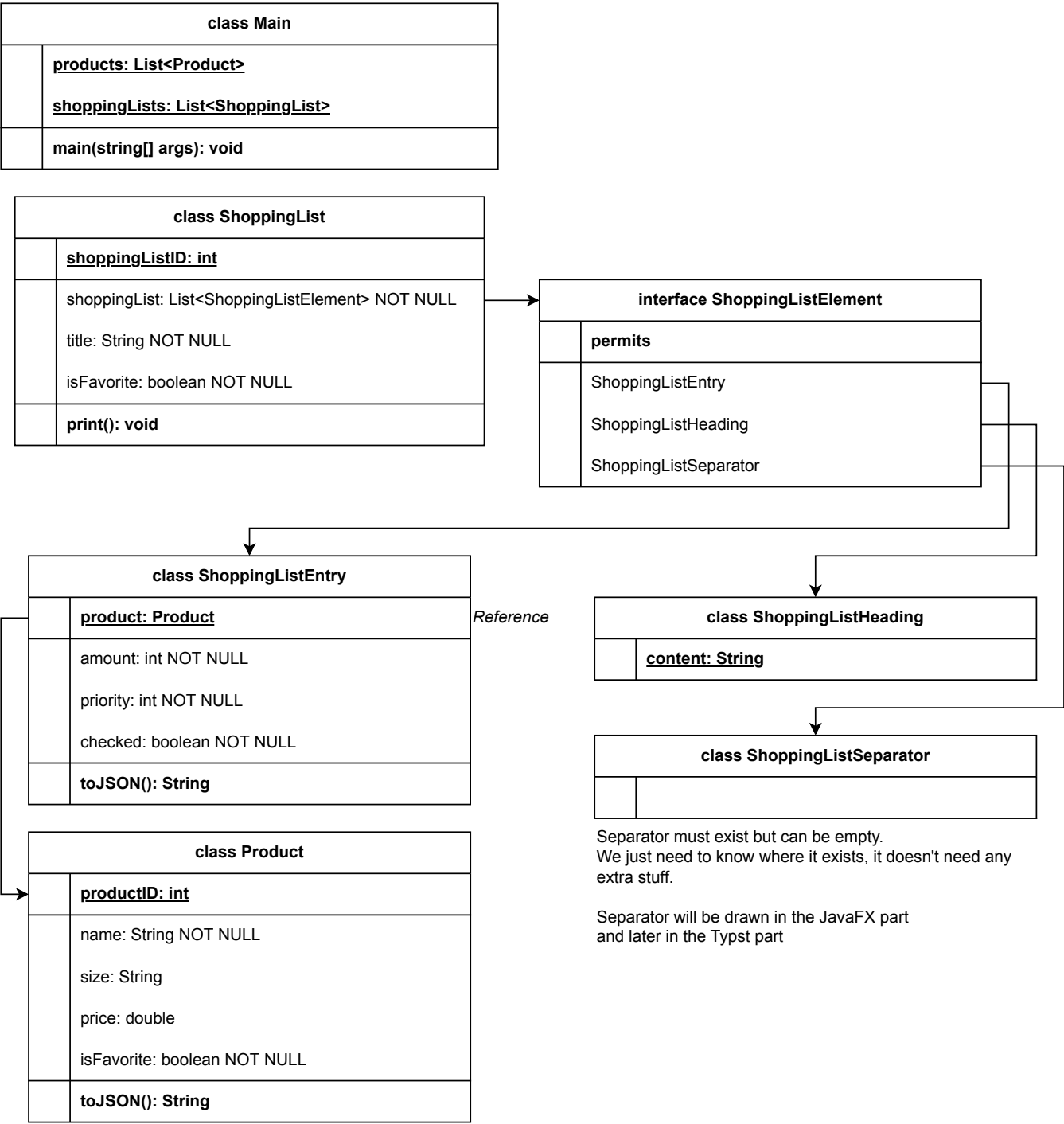
A shopping list entry references exactly 1 product.  
A product can be referenced by many shopping list entries



Shopping lists contain shopping list entries, not products.  
They must have an amount.

However, only products can be favorited.  
Shopping list entries can not be favorited.

Perhaps don't record price history. This is  
a simple shopping list manager; a price  
index can be a separate project



## JSON format example

If we use JSON instead of something like SQLite, it could look like this:

```
{
  "products": [
    {
      "productID": 0,
      "name": "Milk",
      "size": "1L",
      "price": 1.99,
      "isFavorite": false
    },
    {
      "productID": 1,
      "name": "Eggs",
      "size": "10 pcs.",
      "price": 2.99,
      "isFavorite": false
    },
    {
      "productID": 2,
      "name": "Chips",
      "size": "250g",
      "price": 2.99,
      "isFavorite": true
    }
  ],
  "shoppingLists": [
    {
      "shoppingListID": 0,
      "title": "Untitled Shopping List",
      "isFavorite": false,
      "shoppingList": [
        { "type": "product", "productID": 0, "amount": 1, "priority": 0 },
        { "type": "product", "productID": 1, "amount": 2, "priority": 0 }
      ]
    },
    {
      "shoppingListID": 1,
      "title": "My Shopping List",
      "isFavorite": true,
      "shoppingList": [
        { "type": "heading", "content": "HOFER" },
        { "type": "product", "productID": 1, "amount": 1, "priority": 2 },
        { "type": "separator" }
      ]
    }
  ]
}
```