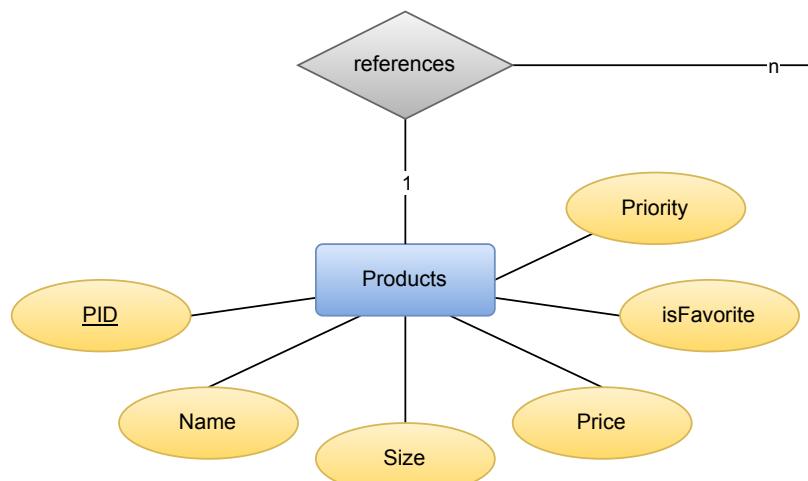
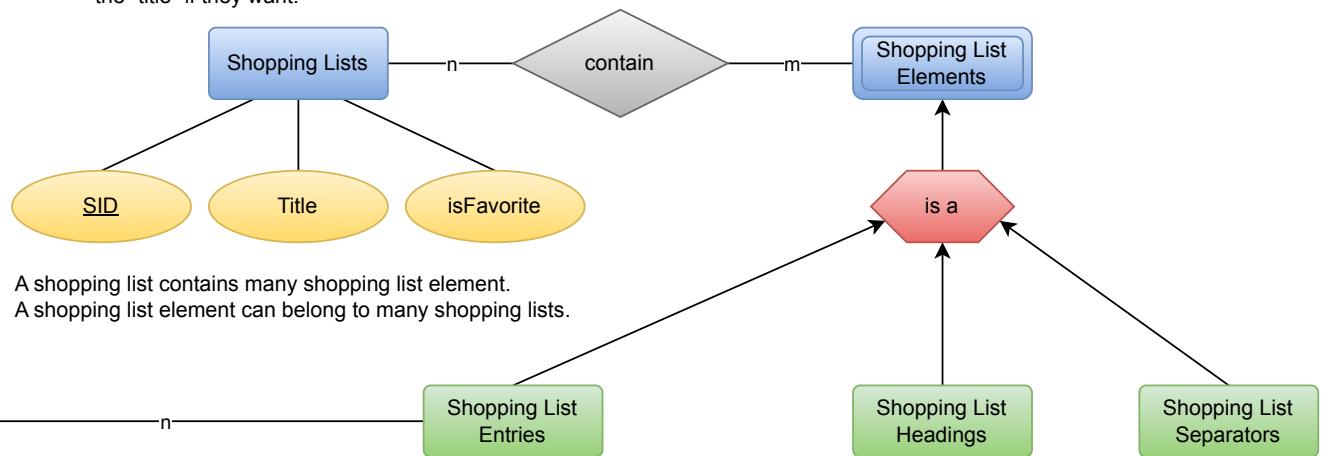


A shopping list entry references exactly 1 product.
A product can be referenced by many shopping list entries



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

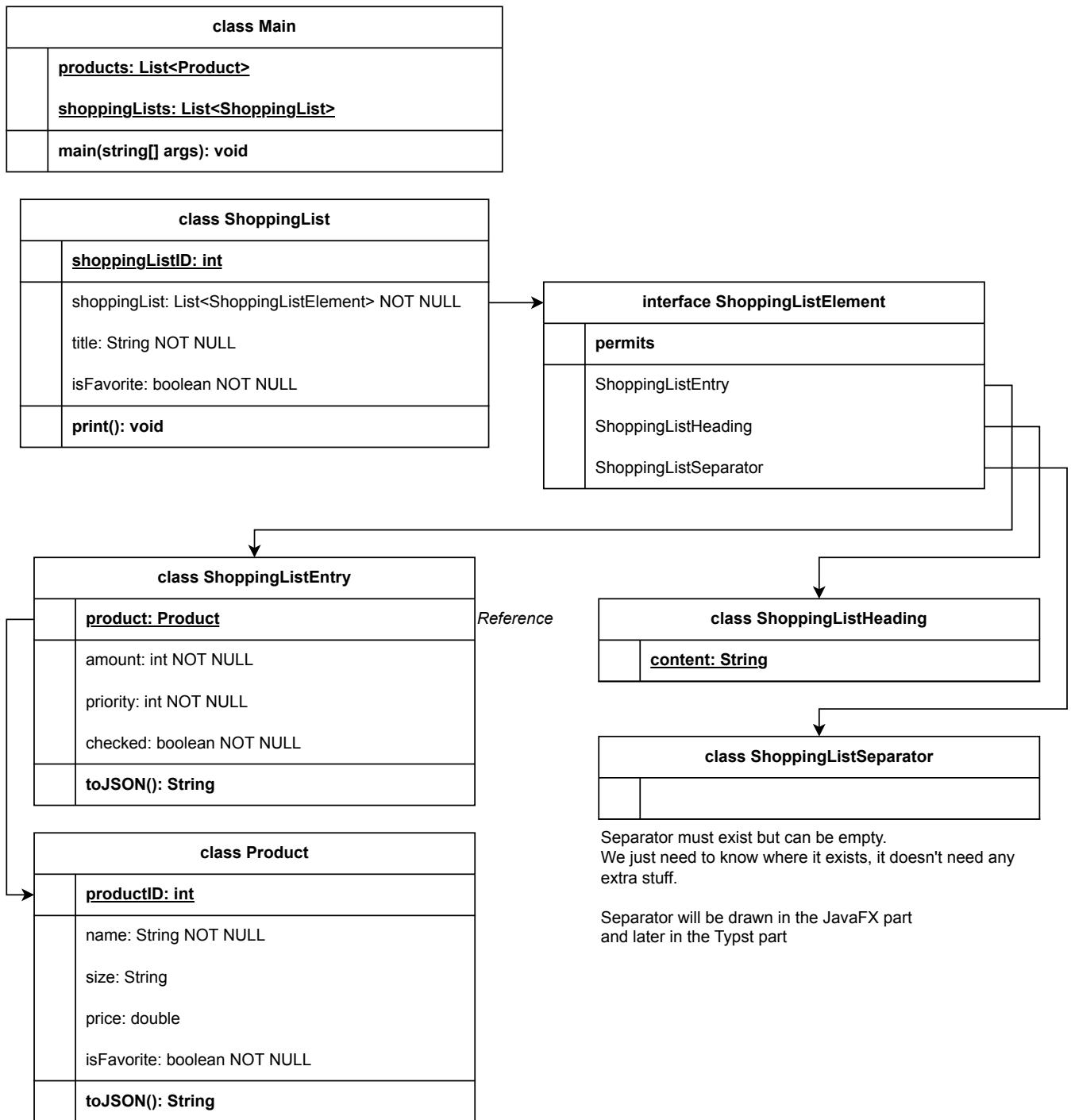
Should shopping lists have a date?
Perhaps leave it out, the user can put it in
the 'title' if they want.



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

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.



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" }
      ]
    }
  ]
}
```