

The POS system – requirement document

Requirements document

- 1 Overall description
- 2 Stakeholders
- 3 Context diagram and interfaces
- 4 Requirements
 - Functional
 - Non functional
 - Domain
- 5 Use case diagram
- 6 Scenarios
- 7 Glossary
- 8 System design

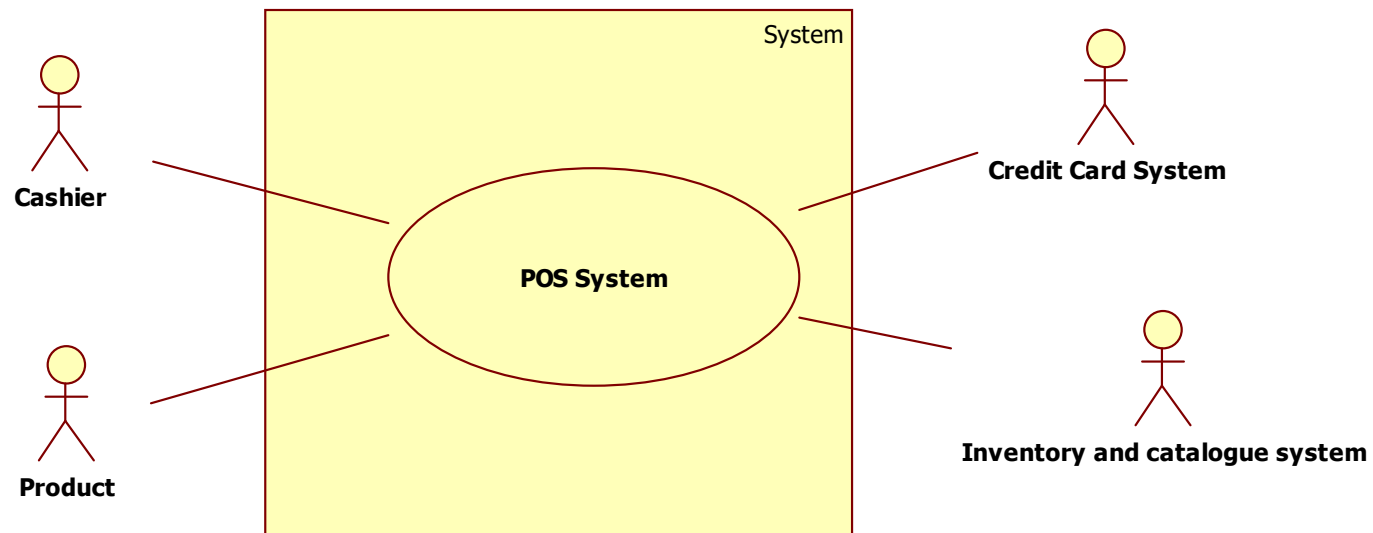
1 Overall description

- A POS (Point-Of-Sale) system is a computer system typically used to manage the sales in retail stores. It includes hardware components such as a computer, a bar code scanner, a printer and also software to manage the operation of the store.
- The most basic function of a POS system is to handle sales
- ...

2 Stakeholders

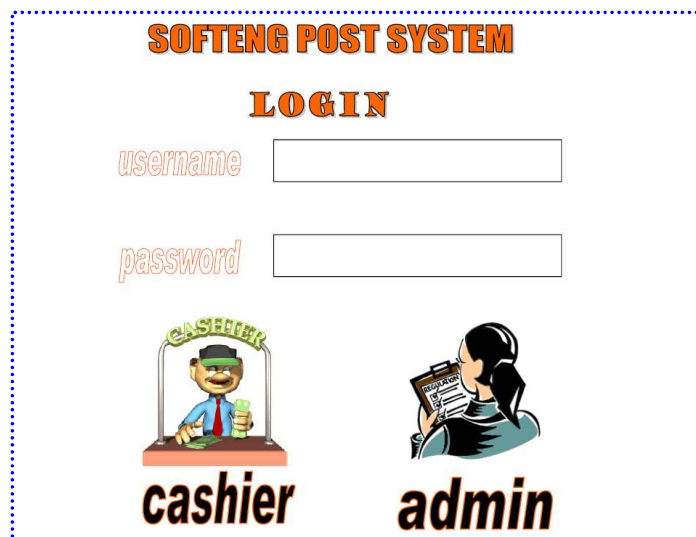
- User
 - Cashier at POS (profile 1)
 - Supervisor, inspector (profile 2)
 - Customer at POS (indirectly through cashier)
- Administrator
 - POS application administrator (profile 3)
 - IT administrator (profile 4)
 - Manages all applications in the supermarket
 - Security manager (profile 5)
 - Responsible for security issues
 - DB administrator (profile 6)
 - Manages DBMSs on which applications are based
- Buyer
 - CEO and/or CTO of supermarket

3.1 Context diagram



3.2 GUI interface

- Sketch of interface, typically built with GUI builder



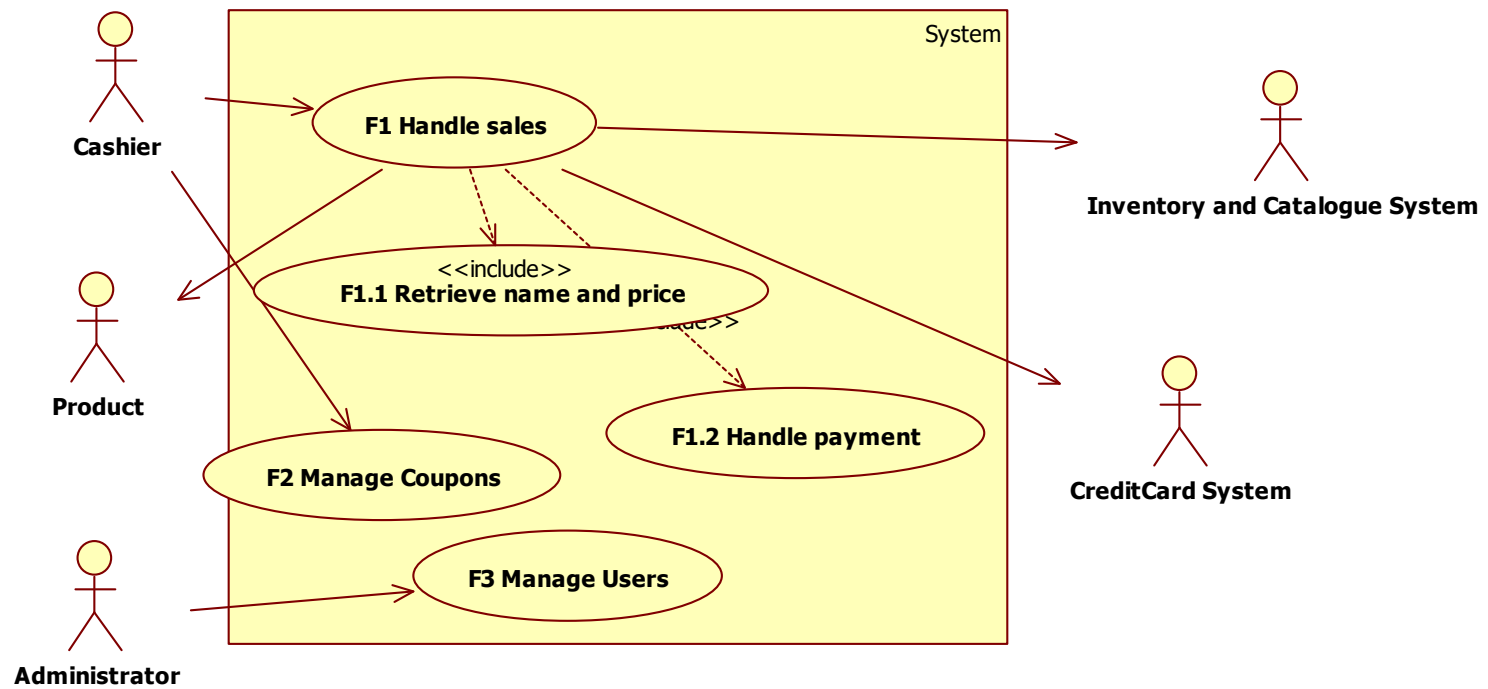
4.1 Functional requirements

Requirement ID	Description
F1	Start sale transaction
F2	End sale transaction
F3	Log in
F4	Log out
F5	Read bar code

4.2 Non-functional requirements

Requirement ID	Description
NF1(efficiency)	Function F1 less than 1msec
NF2 (efficiency)	Each function less than ½ sec
Domain1	Currency is Euro – VAT is computed as ..

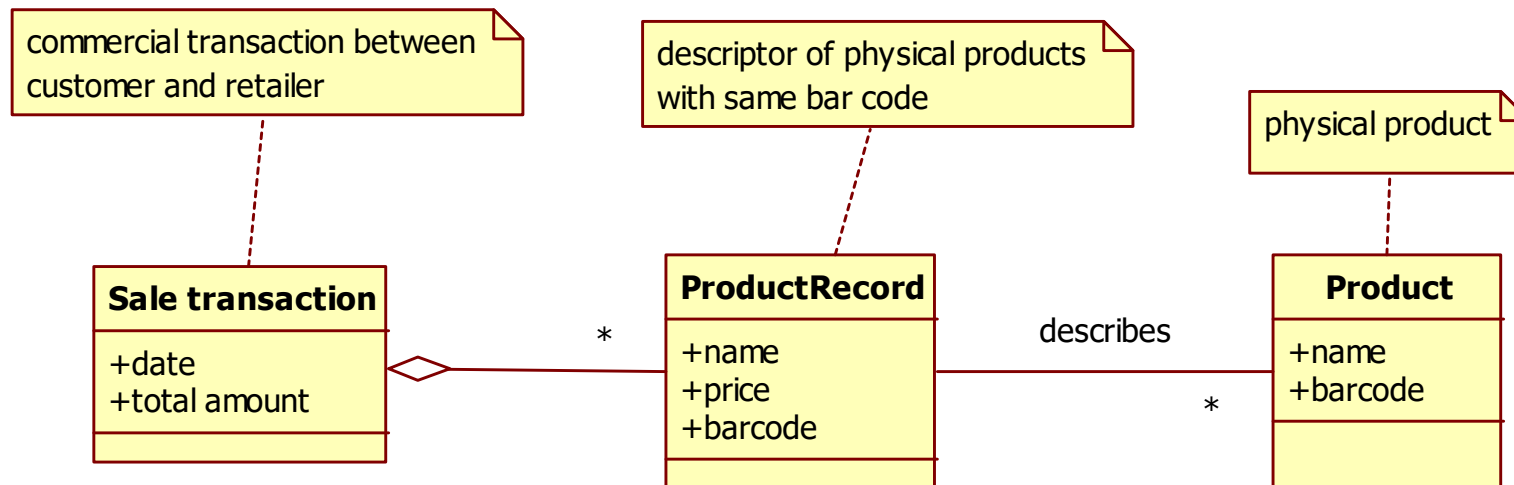
5 UCD



6 Scenarios

Step	Description
1	Start sales transaction
2	Read bar code
3	Retrieve name and price given barcode
	Repeat 2 and 3 for all products
4	Compute total
5	Manage payment cash
6	Deduce stock amount of product
7	Print receipt
8	End sales transaction

7 Glossary



8 System design

- Pos system is composed of
 - Bar code reader
 - Computer
 - Printer
 - Credit card reader

