

Print Shop System

1.1 Events and use cases tabular.

1.2 Use cases description tabular.

1.3 Use case diagram.

1.1 Events and use cases tabular:

Event	Type	Use case(s)
1-Customer arrival.	External.	1-Check customer status. 2-Enter item type.
2-New customer arrival.	State.	1-Enter customer information.
3-New item.	State.	1-Enter item specifications. 2-Update item status.
4-Old item.	State.	1-Retrieve old item specs. 2-Check new raw material prices. 3-Update item status.
5-End of price quotient process.	State.	1-Make a collective report. 2-Offer the contract validation time.
6-Contract timeout.	Temporal.	1-Cancel the contract. 2-Update item status.
7-Customer contract approval.	State.	1-Turn contract to the print department.
8-Begin the print job.	State.	1-Prepare Contents and cover for printing. 2-Review content and cover. 3-Fusion of the content and cover. 4-Print a prototype. 5-Update item status.
9-Prototype Approval.	State.	1-Print the product. 2-Update item status.
10-End of printing job.	State.	1-Deliver the product. 2-Update item status.
11-Print job monitoring.	State.	1-Check item status.

1.2 Use cases description tabular:

Use Case	Description
1-Check customer status.	Check if the customer is an existing or a new customer.
2-Enter item type.	Enter if it is a new product or if it is a new edition of some old products
3-Enter customer information.	Enter customer information like: name, address, phone, membership etc...
4-Enter item specifications.	If it is a new item, enter its specification like: Size(number of pages), coloring, paper sheet type, color of the ink etc...
5-Update item status.	Upon completion of some processes the employee should update the item status (in production, printed, on shipping, etc...).
6-Retrieve old item specs.	Collect previous edition data if it is a new version of that product like: dimensions, paper sheet type, coloring, etc...
7-Check new raw material prices.	Check the latest prices of the raw materials if it is an old item.
8-Make a collective report.	Collect all item/product data and make a soft-printed and a hard-printed copy containing every single detail about the product.
9-Offer the contract validation time.	Offer the customer a period of time which the approval of the contract should be done within it.
10-Cancel the contract.	For any reason, that is against the company terms and laws, the employee can cancel the contract – or if the customer didn't approve before the validation time is up.
11-Turn contract to the print department.	Send the contract to the department of printing to start the printing process with the given specifications in the contract.
12-Prepare Contents and cover for printing.	Get all data and prepare it for printing.
13-Review content and cover.	Review all the content and cover to make sure that everything looks perfect.
14-Fusion of the content and cover.	Check papers and cover and make sure that their dimensions are the same and fuse them together.
15-Print a prototype.	Make a prototype copy for the customer to approve it before proceeding to the next steps and printing all the whole quantity.
16-Print the product.	Print the final output for the product with the predefined quantity.
17-Deliver the product.	Deliver the final product.
18-Check item status.	The managers and senior CRM can check the product status at the different stages/levels.

1.3 Use case diagram.

