

## Politecnico di Milano

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Workgroup and Workflow Management Systems-Written Test of Feb. 14<sup>th</sup>, 2012

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Family name	First name	Politecnico ID #
	refully. All answers must be provided litional sheet will be considered <sup>1</sup> .	on this sheet, which must be returned at
available for this test, and or a project, is greater than the sheets provided by the	the grand total of obtained points, inc n or equal to 18. Use of books, handb	ast 13 points out of a total of 25 points duding those obtained with a presentation ooks, lecture notes is not permitted: only must be answered, at least partially: tests duated. Duration of the test: 2 hours.
Exercises		
• /		of two different notations for business Management Coalition's and the WIDE
space reserved to your answer		

 $<sup>^{1}</sup>$ **Remark**. Complete specifications whenever needed. Clarity and order will be taken into account for the evaluation.

(2) The WholeSell reseller offers products to its customer through an online system. WholeSell holds certain parts of the products in stock and orders missing products from its suppliers if necessary.

The customer sends a purchase order request with details about the required products and needed quantities to WholeSell. The latter checks whether all the required products are available in stock and if they are not in stock, WholeSell orders them to the suppliers. If the purchase order can be satisfied, the customer receives a confirmation, otherwise the order is rejected.

If needed, WholeSell waits for the supplier to deliver the required products. When all the products are in place, the warehouse packages the products and hands them over to the shipment service which notifies WholeSell about the shipment. In parallel with the packing and shipment, the payment is performed. For that, the customer decides on the payment style and gives its payment details. WholeSell contacts the banking service which authorized the customer purchase and credits the agreed amount.

Provide a reasonable schema of the outlined process(es), according to the modeling formalisms of WIDE. Please, suitably model all the *pre-conditions* and *post-conditions* of every task.

(3) With respect to the process described in Exercise 2, provide an example of a business transaction - and the related compensating transaction - managing the denial of the bank to grant the credit of the customer.

space reserved to your answer - exercise 3			

space reserved to your answer -	exercise 2

pace reserved to your answer		

This part for use by the teacher, only.

Ex. 1	Ex. 2	Ex. 3	Ex. 4	Total
4	12	5	4	25