

## Politecnico di Milano

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Business Process Modelling – Written Test of Feb $05^{th},2018$					
Family name	First name	Politecnico ID #			
Master Course in		n this sheet, which must be returned at			
available for this test, and the or a project, is greater than or the sheets provided by the teach	grand total of obtained points, inclued equal to 18. Use of books, handbooker can be used. All the questions may	st 13 points out of a total of 25 points ading those obtained with a presentation oks, lecture notes is not permitted: only nust be answered, at least partially: tests nated. Duration of the test: 2 hours.			
Exercises					
-	"workflowability" a business proceed and executed by an execution e	ess must have in order to be properly engine.			
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 CLC - Como Lake Cruises offers cruises on the Lake Como. After registering at the web site, a customer selects the cruise type (one day long or two days long), the number of participants, and proposes the date(s).

CLC has a fleet of three ships, namely *Small* up to 100 passengers, *Medium* up to 200 passengers, *Large* up to 350 passengers. CLC automatically assigns the ship name and checks ship availability over its database containing all the reservations – Reservation(ShipName, StartDate, EndDate). If the ship is available, the reservation is accepted: otherwise, the customer may select a different date or close the process.

After the reservation has been performed, CLC issues the invoice and waits for the payment: if no payment is received within 30 days from the reservation, the reservation is canceled.

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

space reserved to your answer	- exercise Z

4) Describe the concepts of cohesion and of coupling within a business process	s model.
space 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