

Documentation

Data dictionary

Entità	Descrizione	Attributi	Identificatore
Company	Company interacting with other companies in the database.	vatNum name address	vatNum
Supplier (figlia di Company)	Company that supplies semi-finished products for the production of products.	ISO9001	vatNum
CurrentCompany (figlia di Company)	Company that deals with the production process.		vatNum
Customer (figlia di Company)	Company buying finished products from the CurrentCompany.		vatNum
Orders	Order consisting of a single product made by a company.	invoiceNum orderDate quantity	invoiceNum
Lot	Single package shipped by express courier which contains the ordered products.	shippingCode quantity deliveryDate	shippingCode
Product	Product used in various business processes.	code name price	Code
FinalProduct (figlia di Product)	Final product for sale to the end user.		code
SemiFinished (figlia di Product)	Semi-finished product used by our company in various processes, to allow the creation of the finished product.		code
Process	Process within the company that allows the advancement in the production of the finished product.	code name description	code
Department	Department of the company.	code name	code
User	Account belonging to an employee of the current company, used to access the site.	email password firstname lastname	email

Employee (figlia di User)	Employee working in a particular department.	fiscalCode job	email fiscalCode
Manager (figlia di Employee)	Director of one or more departments.		email fiscalCode
NonComplianceList	List of all possible non-conformities that may occur.	code name description	code
NonCompliance	Non-conformity that may occur in the life cycle of a product.	code date comment	code
NonComplianceInput (figlia di NonCompliance)	NNon-compliance due to suppliers		code
NonComplianceProcess (figlia di NonCompliance)	Non-conformity that occurred in an internal production process.		code
NonComplianceOutput (figlia di NonCompliance)	Non-conformity reported by the customer.		code
NonComplianceAnalysis	Analysis of the causes that led to non-compliance, carried out by an employee.	analysisExpirationDate checkExpirationDate	code (da NonCompliance)
NonComplianceResult	Conclusion to which the non-conformity analysis led.	result cost comment	code (da NonComplianceAnalysis)
CorrectiveAction	List of all possible corrective actions that can be applied to resolve a non-compliance.	code name description	code

Relazione	Descrizione	Entità coinvolte	Attributi
Orders	Associate an order with the company that requested it.	Company (0,N) Orders (1,1)	
Provides	Link an order to the company that supplied the products.	Company (0,N) Orders (1,1)	
Shipping	Associate an order with the corresponding shipping batches.	Orders (1,1) Lot (1,1)	
Complaint	Associate a non-compliance in output with the customer who made the complaint and the batch of the order that filed a non-compliance.	Customer (0,N) Lot (0,N) NonComplianceOutput (1,N)	description

Supply	Associate input non-conformity to the respective consignment lot containing troubled semi-finished products.	Lot (0,1) NonComplianceInput (1,1)	
Belongs (1)	Assigns the detected non-conformity an identifying type from the list of non-conformities.	NonCompliance (1,1) NonComplianceList (0,N)	
Analyses	Associate a non-compliance with the analysis performed to understand its causes.	NonCompliance (1,1) NonComplianceAnalysis (1,1)	
Origin	Associate the internal process in which it occurred with a detected non-compliance.	NonCompliance (1,1) Process (1,N)	
Report	Associate a non-compliance with the employee who reported it.	NonCompliance (1,1) Employee (1,N)	
Result	Associate a non-compliance analysis to the result that will be applied as determined by the analysis.	NonComplianceAnalysis (0,1) NonComplianceResult (1,1)	
AssignmentAnalysis	Associate a non-conformity analysis with the director (one or more) who assigned it and the employee who performed the analysis.	NonComplianceAnalysis (0,N) Manager (0,N) Employee (0,N)	
AssignmentVerification	Associate a verification of the analysis made on non-compliance with the director (one or more) who assigned it and the employee who performed the analysis verification.	NonComplianceAnalysis (0,N) Manager (0,N) Employee (0,N)	
Application	Associate a result of the non-conformity analysis with the corrective action taken to resolve the non-conformity, chosen from the list of possible corrective actions.	CorrectiveAction (1,N) NonComplianceResult (1,1)	
Responsibility	Associate responsibility for any non-compliance with the company (supplier, customer or company itself) that generated the non-compliance.	Company (1,1) NonComplianceResult (1,1)	
Belongs (2)	Associate a trial with the department you belong to.	Process (1,1) Department (1,N)	
Belongs (3)	Associate an employee with the department he works in.	Employee (1,1) Department (1,N)	
Management	Associate a department with the director in charge of its management.	Department (1,1) Manager (1,N)	
Employment	Associate each employee with the company they work for, among those who are part of the current company.	Employee (1,1) Company (1,N)	
Content	Associate an order with the corresponding	Orders (1,N)	

	product ordered.	Product (0,N)	
Usage	Associate a product with processes that use it during production.	Process (0,N) Product (1,N)	
Production	Associate a product with the internal process that produces it.	Process (0,1) Product (0,1)	

Glossary of terms

Term	Description	Synonyms	Entity
vatNum	Code that uniquely identifies a company within a state.	VAT number	Company
fiscalCode	Code that uniquely identifies a person within a state.	National identification number	Employee
cost	The cost that was incurred in analyzing and resolving the non-compliance.	Expense Amount	NonComplianceResult
Expiraation date	Date by which a task must be completed.	Expiration date	NonComplianceAnalysis
invoiceNum	Code that uniquely identifies an invoice for an order.	Invoice ID	Orders
shippingCode	Tracking code provided by the express courier when a package containing a product is shipped.	Tracking code	Lot
employment	Employment relationship.	Occupation	Employee CurrentCompany
complaint	Reporting by the customer of an alleged irregularity that occurred in his order.	Exposition	Customer Lot NonComplianceOutput