Web app ERD - Quotation 1/2

Paulo Santos | June 8, 2023

Customer

PK	Customer ID	smallint
	Name	char
	Bill to	char
	ABN	tinyint

Contact

FK	Customer ID	
PK	Contact ID	smallint
	Contact Name	char
	Email	char
	Phone number	tinyint
	Mobile number	tinyint

Quote

FK	Contact ID	
PK	Quote ID	int
	Total Price	money
	Status	char

Quote version

FK	Quote ID	
	Quote version ID	tinyint
	Version total price	money
	Status	char

Quote item

FK	Quote ID	
FK	Quote version ID	
	Quote item ID	tinyint
	Quantity	smallint
	Part Number	char
	Description	char
	Item unit price	money
	Code	char
	Item total price	money

Service steps

FK	Quote ID	
FK	Quote version ID	
FK	Quote item ID	
	Service steps ID	tinyint
	Description	char
	Step unit price	money
	Quantity	tinyint
	Step total price	money

Cylinder

FK	Quote ID	
FK	Quote version ID	
FK	Quote item ID	
	Body type	char
	Inner type	char
	Force generator type	char
	Acting type	char
	Closed centers	smallint
	Push Pressure	float
	Pull Pressure	float
	Push force required	float
	Pull force required	float
	Cylinder Mounting	char
	Rod End Mounting	char
	Pins	char
	Cushions	char
	Cylinder total price	money

Cylinder - Bore Rod Stroke

FK	Quote ID	
FK	Quote version ID	
FK	Quote item ID	
	Bore Rod Stroke ID	tinyint
	Bore	smallint
	Rod	smallint
	Gross stroke	smallint
	Stop tube	smallint
	Net stroke	smallint
	Push force theoretical	float
	Pull force theoretical	float

Cylinder - Special

FK	Quote ID	
FK	Quote version ID	
FK	Quote item ID	
	Special ID	smallint
	Item	char
	Description	char
	Quantity	tinyint

Cylinder - Detailed quote

FK	Quote ID	
FK	Quote version ID	
FK	Quote item ID	
	Detailed quote item ID	small int
	Item class	char
FK	Hydroil code	
	Item	char
	Description	char
	Quantity	float
	Measurement unit	char
FK	Supplier - material	
	Material cost per unit	money
	Sub Contract	money
FK	Supplier - sub contract	
	Total material cost	money
	MC time	float
	NC/CTR time	float
	W time	float
	H time	float
	ASSY time	float
	MC cost per hour	money
	NC/CTR cost per hour	money
	W cost per hour	money
	H cost per hour	money
	ASSY cost per hour	money
	MC total cost	money
	NC/CTR total cost	money
	W total cost	money
	H total cost	money
	ASSY total cost	money
	Final Cost	money

Mechanical properties

FK	Hydroil code	
	Item	char
	Description	char
	Minimum Yield MPa	float
	Minimum Yield psi	float
	Minimum UTS MPa	float
	Minimum UTS psi	float
	Young's Modulus	float

Material register

PK	Hydroil code	char
	Item	char
	Description	char
	Alternative descriptions	char
	Measurement unit	char

Material cost

FK	Hydroil code	
	Update date	date
FK	Supplier ID	
	Cost	money

Supplier

PK	Supplier ID	smallint
	Name	char
	Address	char
	ABN	tinyint
	Email	char
	Phone Number	tinyint

Supplier contact

PK	Supplier contact id	int
	Name	char
	Email	Type
	Phone number	tinyint
	Mobile number	tinyint
	Description	Type