

FURNITURE FACTORY

A Telerik Academy

Database course

Teamwork project proposal

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DATABASE TABLES

TABLE NAME	DESCRIPTION
ORDERS	A table that describes the different orders in the factory.
PRODUCTION_HALLS	A table that describes the different production workshops in the factory.
READY_WAREHOUSE	A table that describes the different warehouses to store the products that are ready for shipment.
MATERIAL_WAREHOUSE	A table that describes the different warehouses to store the raw materials and fittings.
MATERIALS_PER_WAREHOUSE	A table that describes the connection between material warehouse and materials.
MATERIALS	A table that describes the different raw materials, accessories and fittings used in production.
MATERIALS_PER_ORDER	A relational table between Orders, Warehouse and Materials to show which products are used for a given order.
PRODUCTS_PER_ORDER	A relation table between Orders and Products.
PRODUCTS	A table for all the products that we offer.
WORKERS	A table for all the workers in the Factory.
CLIENTS	A table that stores data about our clients.
SUPPLIERS	A table that stores data about our suppliers.
UNITS	A table that represents the different type of measurement that we can have for the products.

ORDERS

TABLE DETAILS

TABLE DETAILS	
OrderId	Table primary key.
ClientId	Foreign key – Clients table.
ProductionHallId	Foreign key – Production hall table.
ReceivedDate	Order received date.
DueDate	Order shipment date.
Status	Current order status (pending, inProduction, ready, readyForShipment, shipped).
ProductsList	Foreign relation – relation table Products_per_Order.
Comment	Additional info on the order.

PRODUCTION HALLS

TABLE DETAILS

HallId	Table primary key.
OrderId	Foreign key – Orders table.
WorkerId	Foreign key – Workers table.
ManagerId	Foreign key – Workers table.
Name	Workshop name.

READY WAREHOUSE

TABLE DETAILS

WarehouseId	Table primary key.
OrderId	Foreign key – Orders table.
WorkersId	Foreign key – Workers table.
ManagerId	Foreign key – Workers table.
Name	Warehouse name.

MATERIAL WAREHOUSE

TABLE DETAILS

WarehouseId

Table primary key.

WorkersId

Foreign key – Workers table.

ManagerId

Foreign key – Workers table.

Name

Warehouse name.

MATERIALS

TABLE DETAILS

MaterialId	Table primary key.
Name	Product name.
Units	The measurement we are using – pieces, set, etc.
SupplierID	Foreign key – Supplier table.

MATERIALS PER WAREHOUSE

[illegible]

MATERIALS PER ORDER

TABLE DETAILS

StorageId	Foreign key – ready warehouse table.
MaterialId	Foreign key – Materials table.
Quantity	Material quantity per given order.
OrderId	Foreign key – orders table.
Date	Date when we get materials into production
ProductionId	Foreign key – Production hall table.

PRODUCTS PER ORDER

[illegible]

PRODUCTS

TABLE DETAILS

ProductId	Table primary key.
Name	Product name.
Color	Product color.
Price	Product price.
Units	Connection with units table.

UNITS

[illegible]

WORKERS

TABLE DETAILS

Name	Person name.
Last name	Person last name.
WorkerId	Primary key.
ProductionId	Production hall id.
ManagerId	Given worker manager (another worker instance)
Position	Worker or manager.

CLIENTS

TABLE DETAILS

ClientId	Table primary key.
Name	Client name.
Address	Client address.
Mobile	Client mobile.
E-mail	Client e-mail.
Contact	Client contact person.

SUPPLIERS

TABLE DETAILS

SupplierId	Table primary key.
Name	Supplier name.
Address	Supplier address.
Mobile	Supplier mobile.
E-mail	Supplier e-mail.
Contact	Supplier contact person.