



Instituto de Tecnologia - ITEC
Faculdade de Engenharia da Computação

DBDesigner 4.0

Software para Modelagem Lógica de Dados

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Roteiro



- **Modelo Lógico**

- ▣ **Criação de Entidades**

- Definição de Atributos

- ▣ **Relacionamentos**

- Tipos

- Propriedades

Exemplo

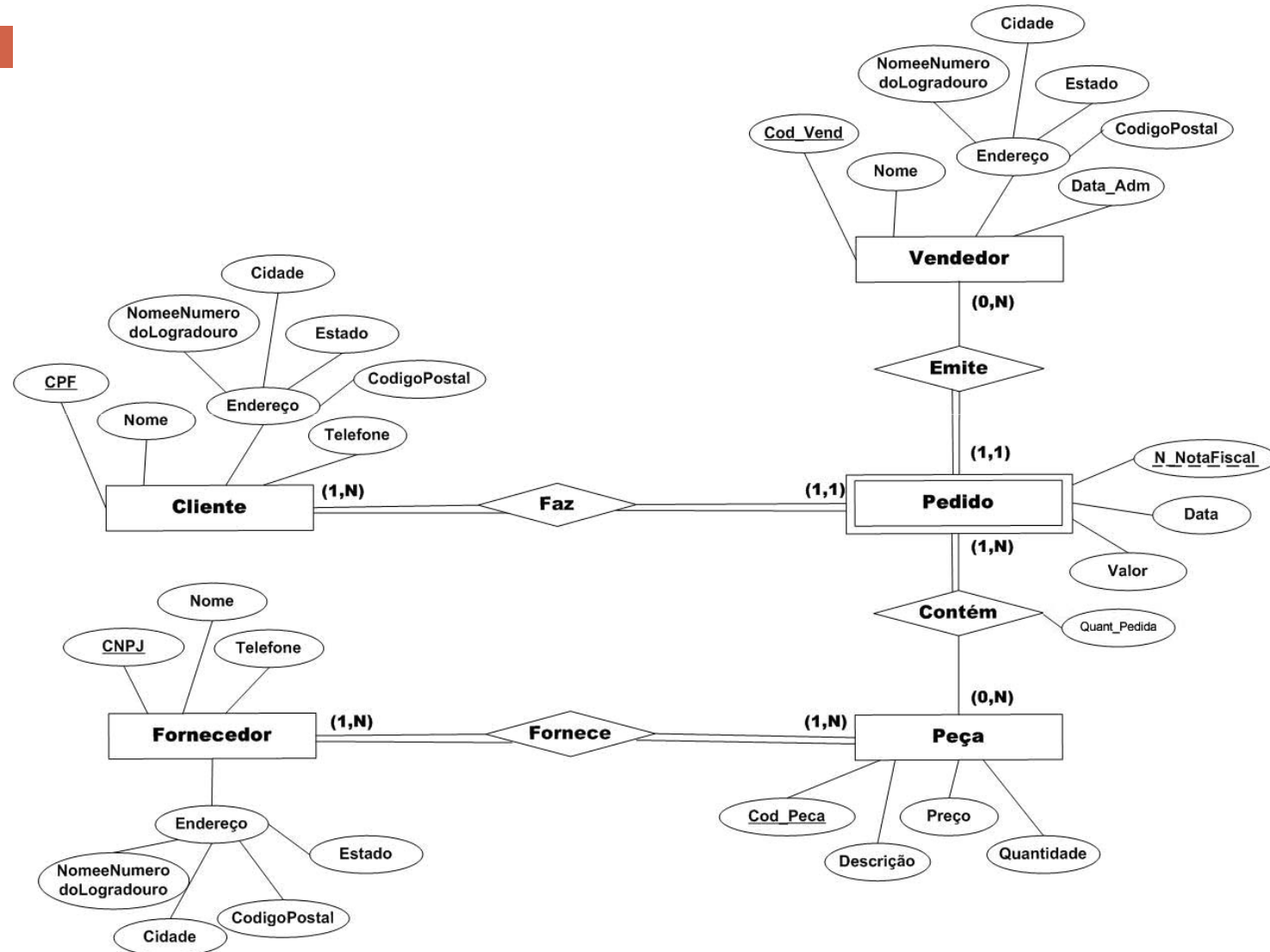
Modelo Entidade Relacionamento



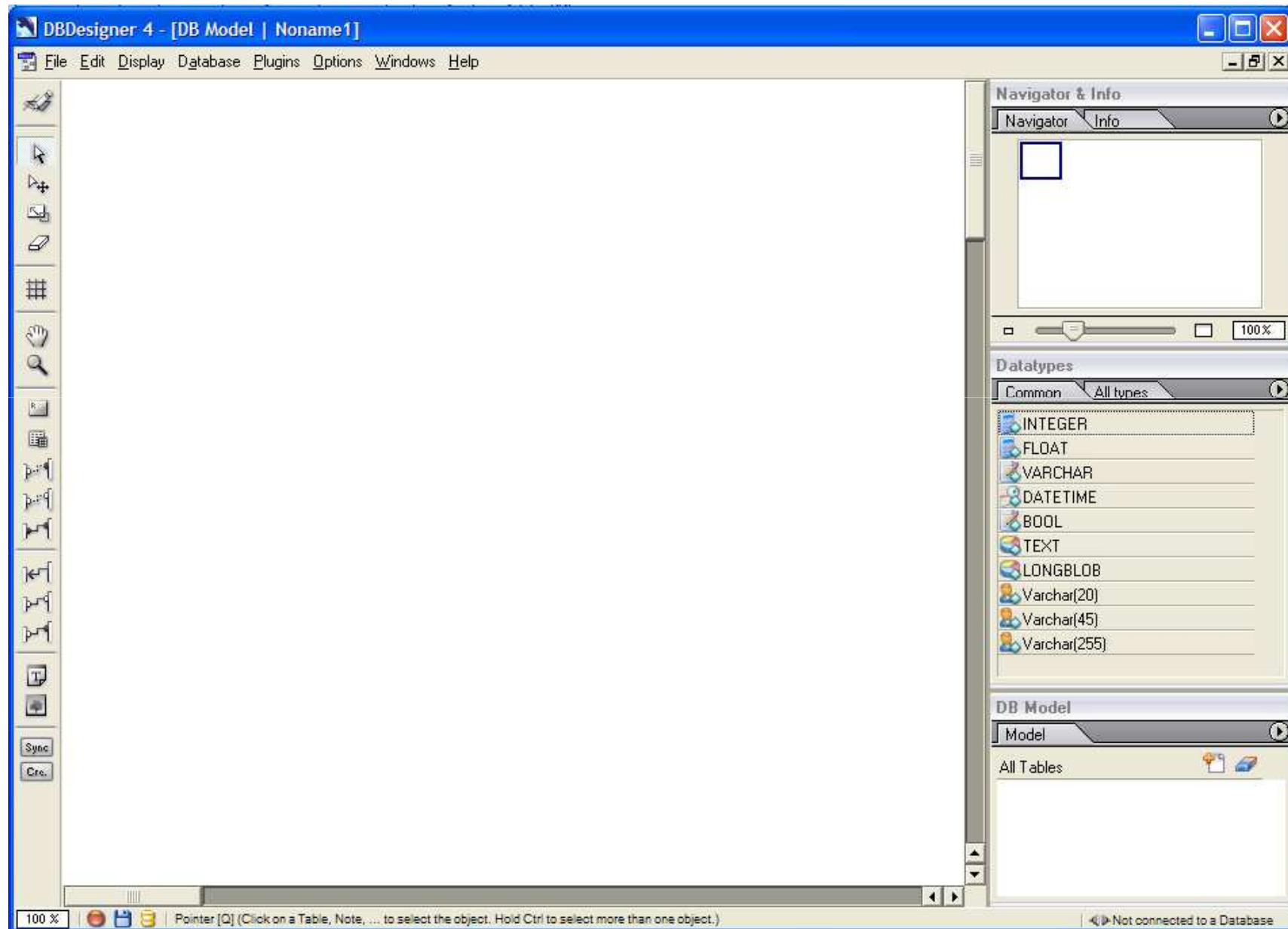
□ Loja de Peças

- Cliente
- Pedido (Entidade Fraca)
- Vendedor
- Fornecedor
- Peça

Modelo Entidade-Relacionamento



Iniziando o DBDesigner

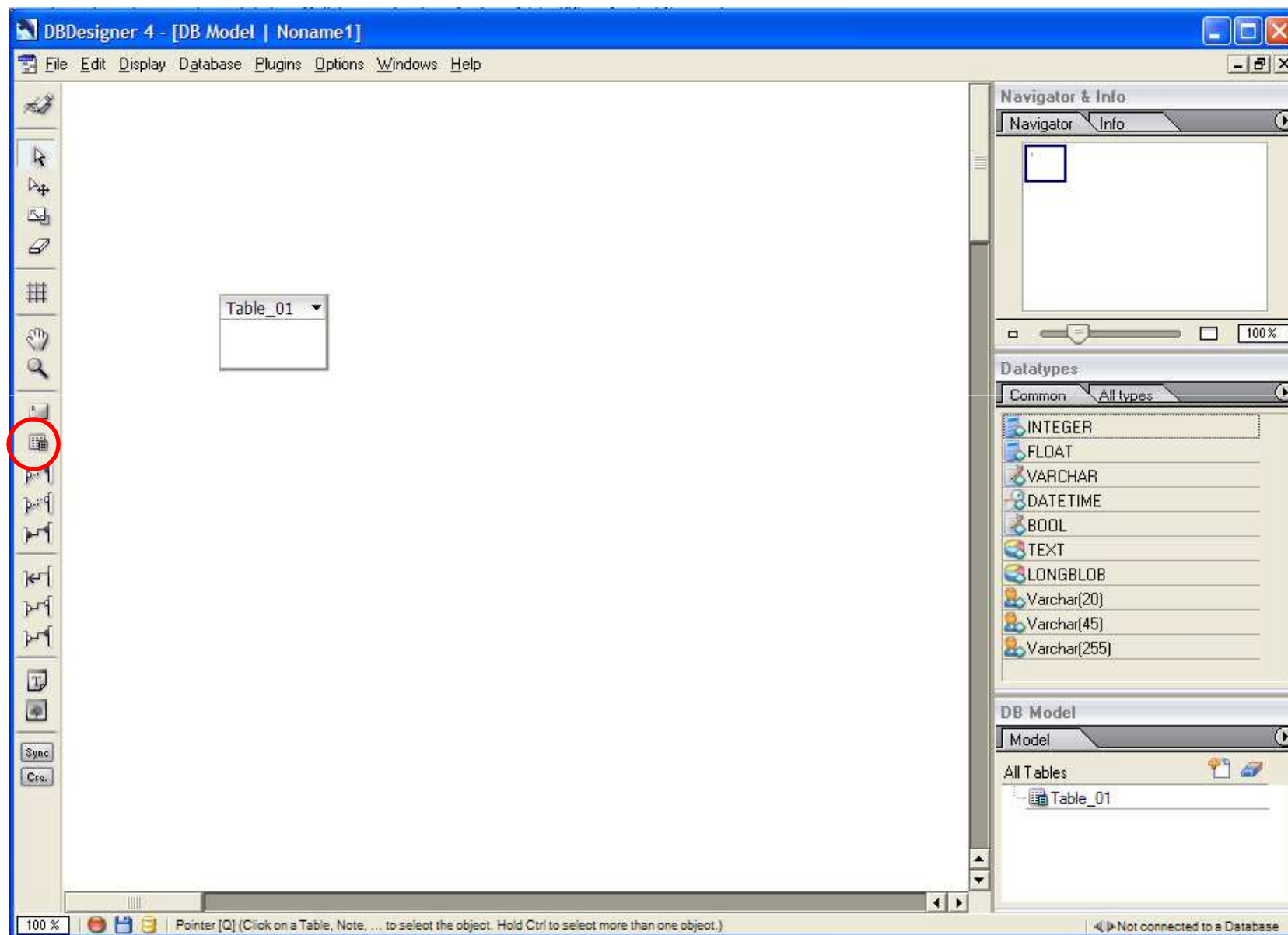


Criação de Tabelas

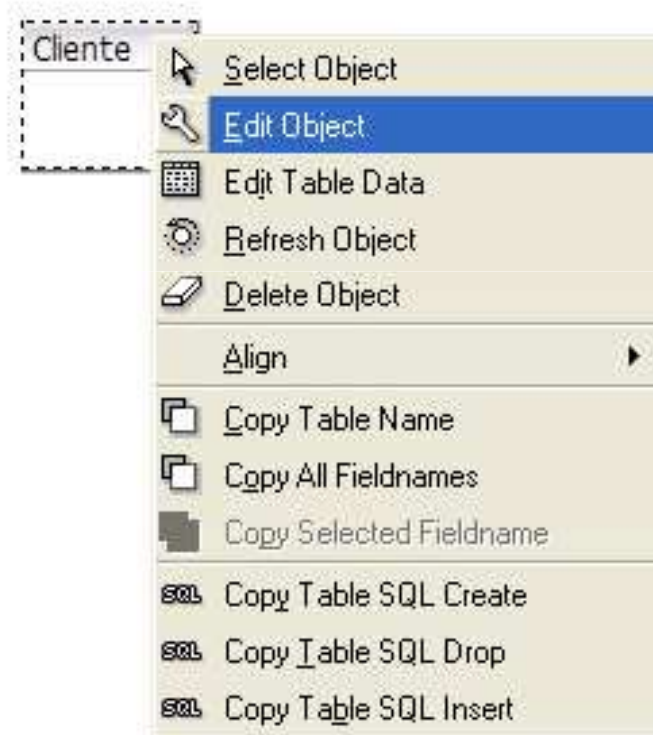
□ Barra de Ferramentas



Criação de Tabelas



Tabelas – Editar Propriedades



Tabelas – Editar Propriedades

Table Editor

Table Name: Table Prefix: Table Type: Weak entity: ☐ is n:m Table

Column Name	Data Type	NN	AI	Flags	Default Value	Comments
◇						

Indices

Indices
Table Options
Advanced
Standard Inserts
Comments

Indexname:

Index Type:

Columns (use Drag'n'Drop to add Columns):

✓ ✕

Tabelas – Inserir Atributos

Table Editor

Table Name: Table Prefix: Table Type: Weak entity: ☐ is n:m Table

Column Name	DataType	NN	AI	Flags	Default Value	Comments
CPF	VARCHAR(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> BINARY		
Nome	VARCHAR(45)	<input checked="" type="checkbox"/>		<input type="checkbox"/> BINARY		
Nomeenumerolog	VARCHAR(255)	<input checked="" type="checkbox"/>		<input type="checkbox"/> BINARY		
Cidade	VARCHAR(20)	<input checked="" type="checkbox"/>		<input type="checkbox"/> BINARY		
Estado	VARCHAR(45)	<input checked="" type="checkbox"/>		<input type="checkbox"/> BINARY		
CodigoPostal	VARCHAR(8)			<input type="checkbox"/> BINARY		
Telefone	VARCHAR(10)			<input type="checkbox"/> BINARY		

Indices

Table Options: ☐ Advanced ☐ Standard Inserts ☐ Comments

Indices

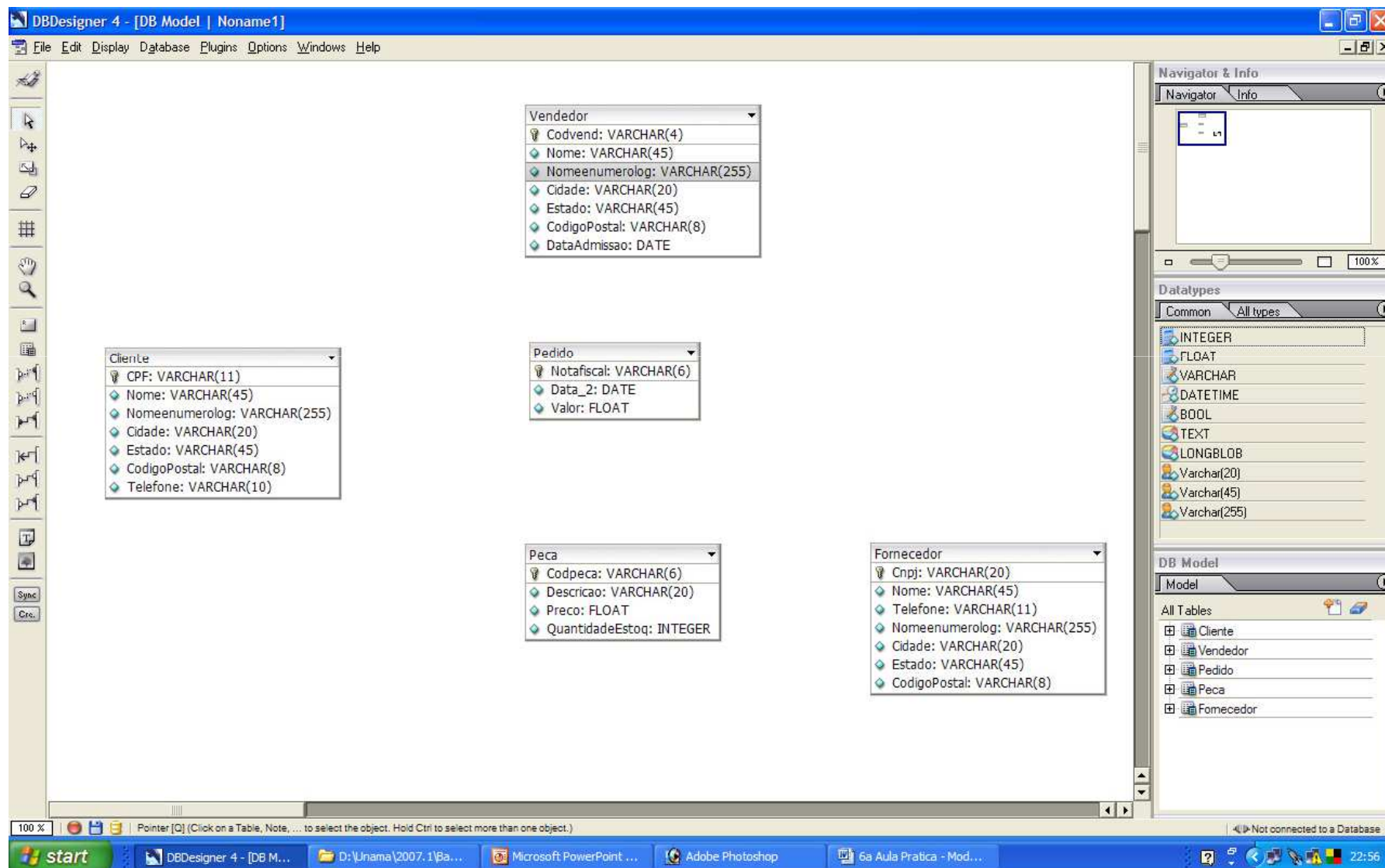
PRIMARY

Indexname: Index Type:

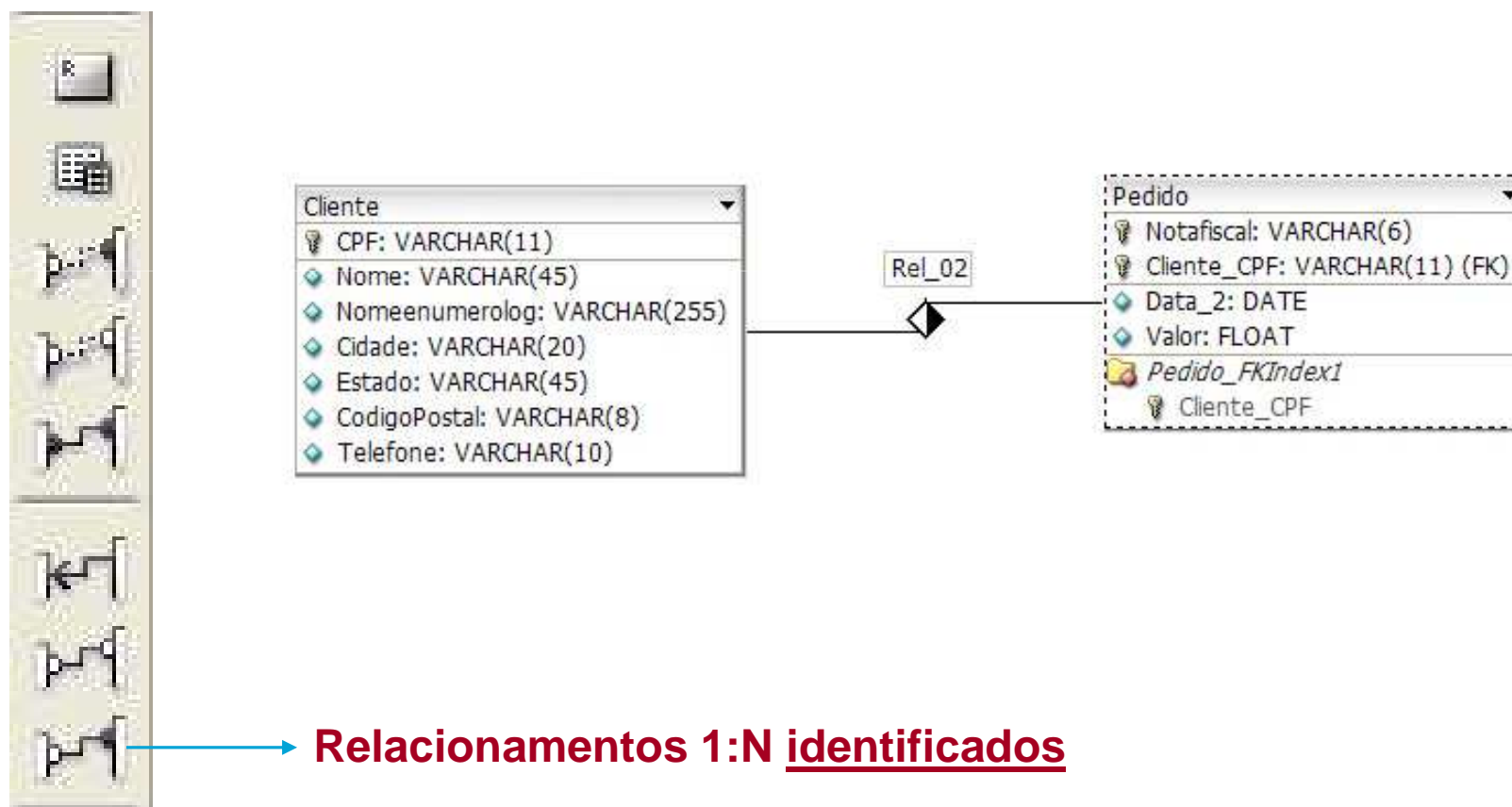
Columns (use Drag'n'Drop to add Columns):

✓ ✕

Tabelas do Modelo



Relacionamentos



Relacionamentos

Relation Editor

Relation Name: Relation Kind: Visibility:

Tables

Source: Destination:

Foreign Keys

Source Column	Dest. Name	Comment
CPF	Cliente_CPF	

Reference Definition

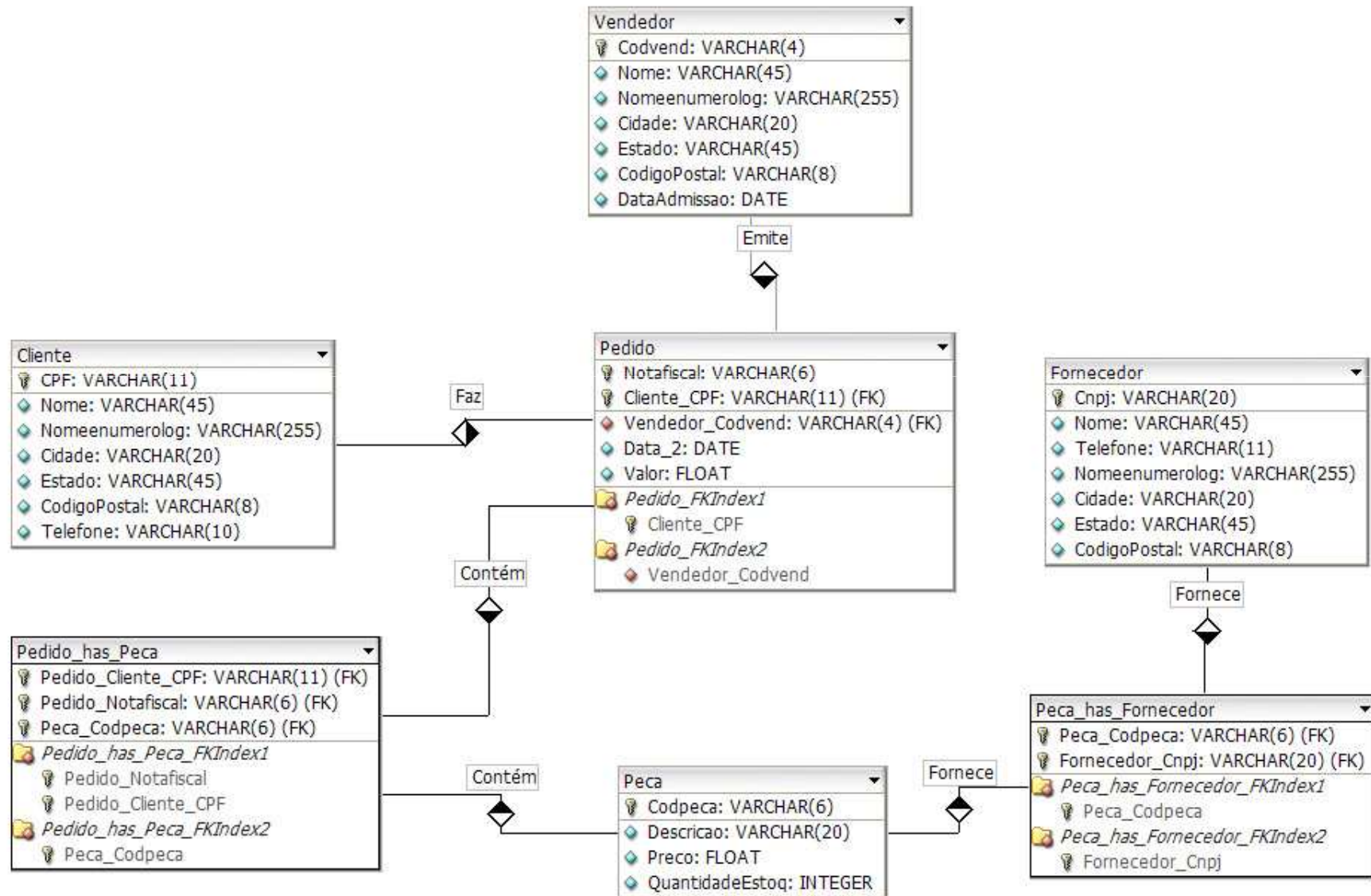
☒ Create Reference Definition

On Delete:

On Update:

☒ ☐

Modelo Lógico Completo



Relacionamento M:N

Table Editor

Table Name: Table Prefix: Table Type: Weak entity: ☒ is n:m Table

Column Name	DataType	NN	AI	Flags	Default Value	Comments
Pedido_Cliente_CPF	VARCHAR(11)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> BINARY		
Pedido_Notafiscal	VARCHAR(6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> BINARY		
Peca_Codpeca	VARCHAR(6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> BINARY		
Quantidade	INTEGER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> UNSIGNED <input type="checkbox"/> ZEROFILL		

Indices

Table Options: ☒ Table Options, ☐ Advanced, ☐ Standard Inserts, ☐ Comments

Indices

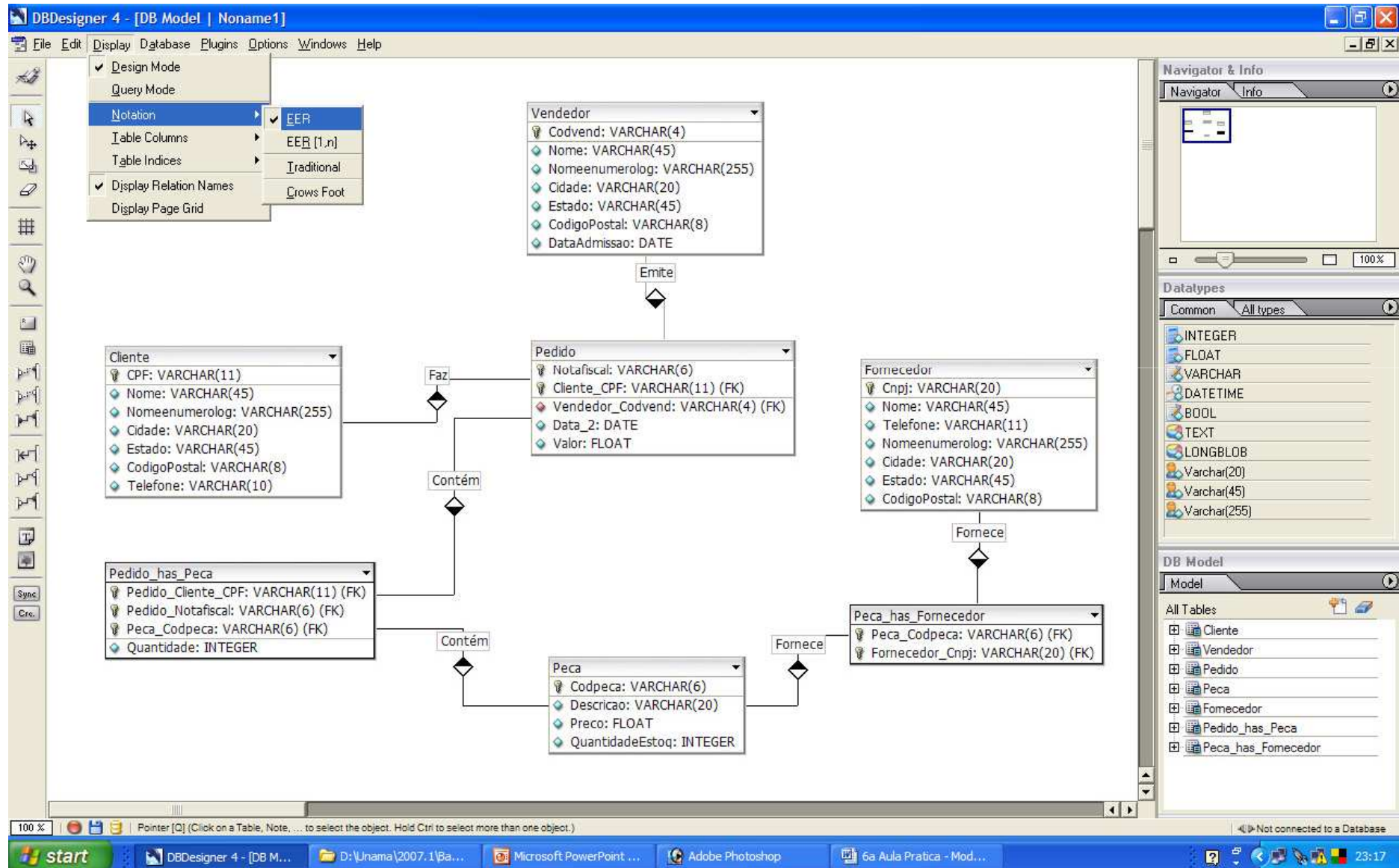
PRIMARY
Pedido_has_Peca_FKIn
Pedido_has_Peca_FKIn

Indexname:
Index Type:

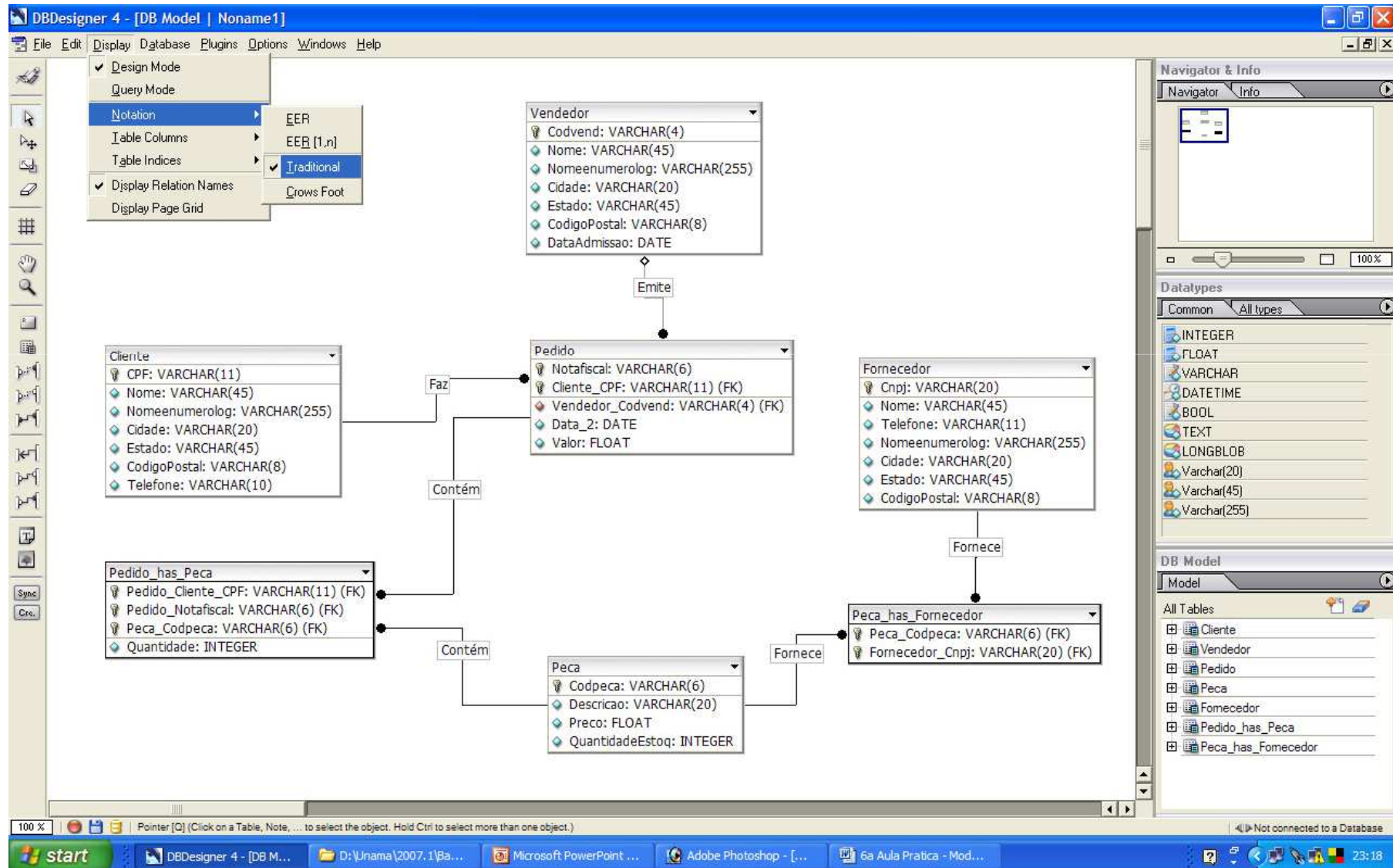
Columns (use Drag'n'Drop to add Columns):
Pedido_Cliente_CPF
Pedido_Notafiscal
Peca_Codpeca

☒ ☐

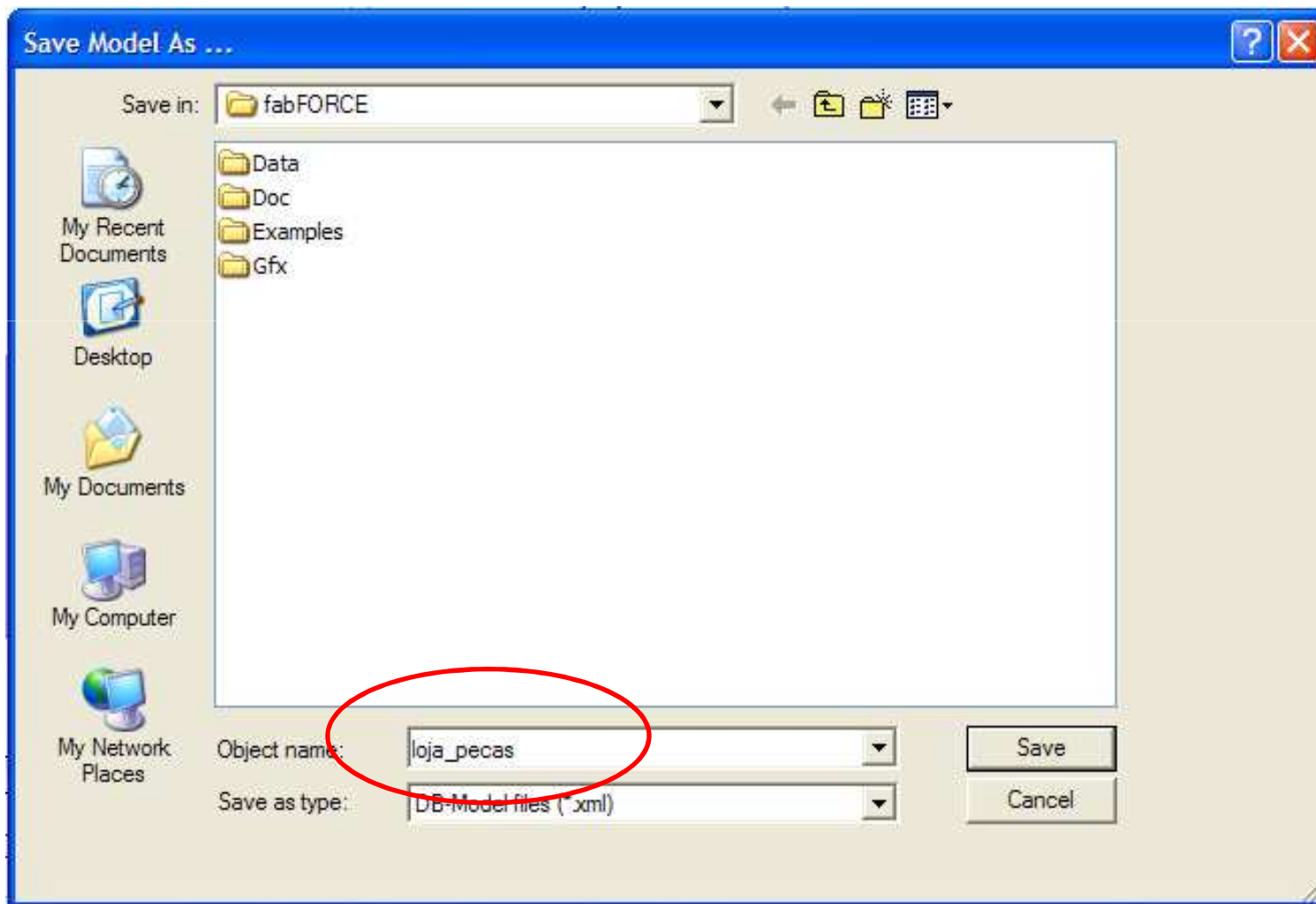
Modelo DBDesigner



Modelo Tradicional



Salvar Modelo



Referências



- **Fabulous Force Database Tools**

- <http://www.fabforce.net/>