

**Report**

IREMAR  
30/04/21

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**1 Specifications**

Include specifications here...

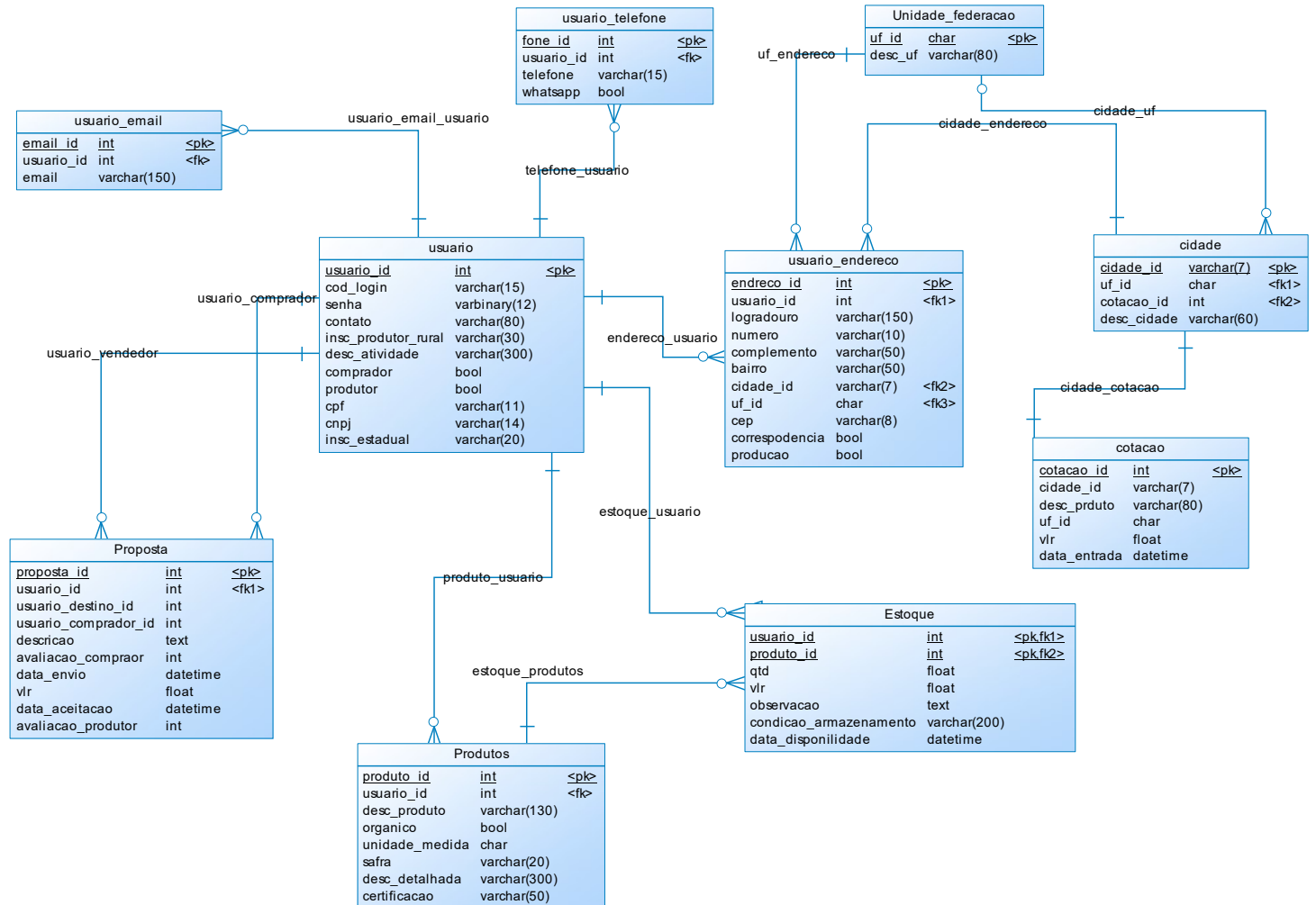
**2 Model information****2.1 Card of model DER**

<i>Name</i>	DER
<i>Code</i>	PHYSICALDATAMODEL_1
<i>Comment</i>	
<i>DBMS</i>	MySQL 5.0
<i>Database</i>	<None>

### 3 PDM Diagrams

#### 3.1 Model level diagrams

##### 3.1.1 Diagram DER



**4 Physical diagrams objects****4.1 References****4.1.1 Model level references****4.1.1.1 List of references**

<i>Name</i>	<i>Code</i>	<i>Parent Table</i>	<i>Child Table</i>
cidade_cotacao	cidade_cotacao	cotacao	cidade
cidade_endereco	cidade_endereco	cidade	usuario_endereco
cidade_uf	cidade_uf	Unidade_federacao	cidade
endereco_usuario	endereco_usuario	usuario	usuario_endereco
estoque_produtos	estoque_produtos	Produtos	Estoque
estoque_usuario	estoque_usuario	usuario	Estoque
produto_usuario	produto_usuario	usuario	Produtos
telefone_usuario	telefone_usuario	usuario	usuario_telefone
uf_endereco	uf_endereco	Unidade_federacao	usuario_endereco
usuario_comprador	usuario_comprador	usuario	Proposta
usuario_email_usuario	usuario_email_usuario	usuario	usuario_email
usuario_vendedor	usuario_vendedor	usuario	Proposta

**4.1.1.2 Reference cidade\_cotacao****4.1.1.2.1 Card of reference cidade\_cotacao**

<i>Name</i>	cidade_cotacao
<i>Code</i>	cidade_cotacao
<i>Parent Table</i>	cotacao
<i>Child Table</i>	cidade

**4.1.1.2.2 Code preview of the reference cidade\_cotacao**

```
alter table cidade add constraint FK_cidade_cotacao foreign key (cotacao_id)
references cotacao (cotacao_id) on delete restrict on update restrict;
```

**4.1.1.2.3 List of diagrams containing the reference cidade\_cotacao**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.2.4 List of reference joins of the reference cidade\_cotacao**

<i>Parent Table Column</i>	<i>Child Table Column</i>
cotacao_id	cotacao_id

**4.1.1.2.5 List of extended attributes of the reference cidade\_cotacao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

**4.1.1.3 Reference cidade\_endereco****4.1.1.3.1 Card of reference cidade\_endereco**

<i>Name</i>	cidade_endereco
<i>Code</i>	cidade_endereco

<i>Parent Table</i>	cidade
<i>Child Table</i>	usuario_endereco

#### 4.1.1.3.2 Code preview of the reference cidade\_endereco

```
alter table usuario_endereco add constraint FK_cidade_endereco foreign key (cidade_id)
references cidade (cidade_id) on delete restrict on update restrict;
```

#### 4.1.1.3.3 List of diagrams containing the reference cidade\_endereco

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

#### 4.1.1.3.4 List of reference joins of the reference cidade\_endereco

<i>Parent Table Column</i>	<i>Child Table Column</i>
cidade_id	cidade_id

#### 4.1.1.3.5 List of extended attributes of the reference cidade\_endereco

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### 4.1.1.4 Reference cidade\_uf

##### 4.1.1.4.1 Card of reference cidade\_uf

<i>Name</i>	cidade_uf
<i>Code</i>	cidade_uf
<i>Parent Table</i>	Unidade_federacao
<i>Child Table</i>	cidade

##### 4.1.1.4.2 Code preview of the reference cidade\_uf

```
alter table cidade add constraint FK_cidade_uf foreign key (uf_id)
references Unidade_federacao (uf_id) on delete restrict on update restrict;
```

##### 4.1.1.4.3 List of diagrams containing the reference cidade\_uf

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

##### 4.1.1.4.4 List of reference joins of the reference cidade\_uf

<i>Parent Table Column</i>	<i>Child Table Column</i>
uf_id	uf_id

##### 4.1.1.4.5 List of extended attributes of the reference cidade\_uf

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### 4.1.1.5 Reference endereco\_usuario

##### 4.1.1.5.1 Card of reference endereco\_usuario

<i>Name</i>	endereco_usuario
<i>Code</i>	endereco_usuario
<i>Parent Table</i>	usuario

<i>Child Table</i>	usuario_endereco
--------------------	------------------

#### **4.1.1.5.2 Code preview of the reference endereco\_usuario**

alter table usuario\_endereco add constraint FK\_endereco\_usuario foreign key (usuario\_id)  
references usuario (usuario\_id) on delete restrict on update restrict;

#### **4.1.1.5.3 List of diagrams containing the reference endereco\_usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

#### **4.1.1.5.4 List of reference joins of the reference endereco\_usuario**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

#### **4.1.1.5.5 List of extended attributes of the reference endereco\_usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### **4.1.1.6 Reference estoque\_produtos**

##### **4.1.1.6.1 Card of reference estoque\_produtos**

<i>Name</i>	estoque_produtos
<i>Code</i>	estoque_produtos
<i>Parent Table</i>	Produtos
<i>Child Table</i>	Estoque

##### **4.1.1.6.2 Code preview of the reference estoque\_produtos**

alter table Estoque add constraint FK\_estoque\_produtos foreign key (produto\_id)  
references Produtos (produto\_id) on delete restrict on update restrict;

##### **4.1.1.6.3 List of diagrams containing the reference estoque\_produtos**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

##### **4.1.1.6.4 List of reference joins of the reference estoque\_produtos**

<i>Parent Table Column</i>	<i>Child Table Column</i>
produto_id	produto_id

##### **4.1.1.6.5 List of extended attributes of the reference estoque\_produtos**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### **4.1.1.7 Reference estoque\_usuario**

##### **4.1.1.7.1 Card of reference estoque\_usuario**

<i>Name</i>	estoque_usuario
<i>Code</i>	estoque_usuario
<i>Parent Table</i>	usuario
<i>Child Table</i>	Estoque



**4.1.1.7.2 Code preview of the reference estoque\_usuario**

alter table Estoque add constraint FK\_estoque\_usuario foreign key (usuario\_id)  
references usuario (usuario\_id) on delete restrict on update restrict;

**4.1.1.7.3 List of diagrams containing the reference estoque\_usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.7.4 List of reference joins of the reference estoque\_usuario**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

**4.1.1.7.5 List of extended attributes of the reference estoque\_usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

**4.1.1.8 Reference produto\_usuario****4.1.1.8.1 Card of reference produto\_usuario**

<i>Name</i>	produto_usuario
<i>Code</i>	produto_usuario
<i>Parent Table</i>	usuario
<i>Child Table</i>	Produtos

**4.1.1.8.2 Code preview of the reference produto\_usuario**

alter table Produtos add constraint FK\_produto\_usuario foreign key (usuario\_id)  
references usuario (usuario\_id) on delete restrict on update restrict;

**4.1.1.8.3 List of diagrams containing the reference produto\_usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.8.4 List of reference joins of the reference produto\_usuario**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

**4.1.1.8.5 List of extended attributes of the reference produto\_usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

**4.1.1.9 Reference telefone\_usuario****4.1.1.9.1 Card of reference telefone\_usuario**

<i>Name</i>	telefone_usuario
<i>Code</i>	telefone_usuario
<i>Parent Table</i>	usuario
<i>Child Table</i>	usuario_telefone

**4.1.1.9.2 Code preview of the reference telefone\_usuario**

alter table usuario\_telefone add constraint FK\_telefone\_usuario foreign key (usuario\_id)

references usuario (usuario\_id) on delete restrict on update restrict;

#### **4.1.1.9.3 List of diagrams containing the reference telefone\_usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

#### **4.1.1.9.4 List of reference joins of the reference telefone\_usuario**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

#### **4.1.1.9.5 List of extended attributes of the reference telefone\_usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### **4.1.1.10 Reference uf\_endereco**

##### **4.1.1.10.1 Card of reference uf\_endereco**

<i>Name</i>	uf_endereco
<i>Code</i>	uf_endereco
<i>Parent Table</i>	Unidade_federacao
<i>Child Table</i>	usuario_endereco

##### **4.1.1.10.2 Code preview of the reference uf\_endereco**

alter table usuario\_endereco add constraint FK\_uf\_endereco foreign key (uf\_id)  
references Unidade\_federacao (uf\_id) on delete restrict on update restrict;

##### **4.1.1.10.3 List of diagrams containing the reference uf\_endereco**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

##### **4.1.1.10.4 List of reference joins of the reference uf\_endereco**

<i>Parent Table Column</i>	<i>Child Table Column</i>
uf_id	uf_id

##### **4.1.1.10.5 List of extended attributes of the reference uf\_endereco**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

#### **4.1.1.11 Reference usuario\_comprador**

##### **4.1.1.11.1 Card of reference usuario\_comprador**

<i>Name</i>	usuario_comprador
<i>Code</i>	usuario_comprador
<i>Parent Table</i>	usuario
<i>Child Table</i>	Proposta

##### **4.1.1.11.2 Code preview of the reference usuario\_comprador**

alter table Proposta add constraint FK\_usuario\_comprador foreign key ()  
references usuario (usuario\_id) on delete restrict on update restrict;

**4.1.1.11.3 List of diagrams containing the reference usuario\_comprador**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.11.4 List of reference joins of the reference usuario\_comprador**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	

**4.1.1.11.5 List of extended attributes of the reference usuario\_comprador**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

**4.1.1.12 Reference usuario\_email\_usuario****4.1.1.12.1 Card of reference usuario\_email\_usuario**

<i>Name</i>	usuario_email_usuario
<i>Code</i>	usuario_email_usuario
<i>Parent Table</i>	usuario
<i>Child Table</i>	usuario_email

**4.1.1.12.2 Code preview of the reference usuario\_email\_usuario**

```
alter table usuario_email add constraint FK_usuario_email_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

**4.1.1.12.3 List of diagrams containing the reference usuario\_email\_usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.12.4 List of reference joins of the reference usuario\_email\_usuario**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

**4.1.1.12.5 List of extended attributes of the reference usuario\_email\_usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

**4.1.1.13 Reference usuario\_vendedor****4.1.1.13.1 Card of reference usuario\_vendedor**

<i>Name</i>	usuario_vendedor
<i>Code</i>	usuario_vendedor
<i>Parent Table</i>	usuario
<i>Child Table</i>	Proposta

**4.1.1.13.2 Code preview of the reference usuario\_vendedor**

```
alter table Proposta add constraint FK_usuario_vendedor foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.1.1.13.4 List of reference joins of the reference usuario\_vendedor**

<i>Parent Table Column</i>	<i>Child Table Column</i>
usuario_id	usuario_id

**4.1.1.13.5 List of extended attributes of the reference usuario\_vendedor**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ReferenceMatch	ReferenceMatchType		MySQL 5.0

## 4.2 Tables

### 4.2.1 Model level tables

#### 4.2.1.1 List of tables

<i>Name</i>	<i>Code</i>
cidade	cidade
cotacao	cotacao
Estoque	Estoque
Produtos	Produtos
Proposta	Proposta
Unidade_federacao	Unidade_federacao
usuario	usuario
usuario_email	usuario_email
usuario_endereco	usuario_endereco
usuario_telefone	usuario_telefone

#### 4.2.1.2 List of table columns

<i>Name</i>	<i>Code</i>
cidade_id	cidade_id
uf_id	uf_id
cotacao_id	cotacao_id
desc_cidade	desc_cidade
uf_id	uf_id
desc_uf	desc_uf
usuario_id	usuario_id
produto_id	produto_id
qtd	qtd
vlr	vlr
observacao	observacao
condicao_armazenamento	condicao_armazenamento
data_disponibilidade	data_disponibilidade
email_id	email_id
usuario_id	usuario_id
email	email
usuario_id	usuario_id
cod_login	cod_login
senha	senha
contato	contato
insc_produto_rural	insc_produto_rural
desc_atividade	desc_atividade
comprador	comprador
produtor	produtor
cpf	cpf
cnpj	cnpj
insc_estadual	insc_estadual
fone_id	fone_id
usuario_id	usuario_id

<i>Name</i>	<i>Code</i>
telefone	telefone
whatsapp	whatsapp
proposta_id	proposta_id
usuario_id	usuario_id
usuario_destino_id	usuario_destino_id
usuario_comprador_id	usuario_comprador_id
descricao	descricao
avaliacao_compraor	avaliacao_compraor
data_envio	data_envio
vlr	vlr
data_aceitacao	data_aceitacao
avaliacao_produto	avaliacao_produto
produto_id	produto_id
usuario_id	usuario_id
desc_produto	desc_produto
organico	organico
unidade_medida	unidade_id
safra	safra
desc_detalhada	desc_detalhada
certificacao	certificacao
cotacao_id	cotacao_id
cidade_id	cidade_id
desc_prduto	desc_prduto
uf_id	uf_id
vlr	vlr
data_entrada	data_entrada
endreo_id	endreo_id
usuario_id	usuario_id
logradouro	logradouro
numero	numero
complemento	complemento
bairro	bairro
cidade_id	cidade_id
uf_id	uf_id
cep	cep
correspondencia	correspondencia
producao	producao

#### 4.2.1.3 List of table keys

<i>Name</i>	<i>Code</i>	<i>Table</i>
Key_1	Key_1	cidade
Key_1	Key_1	Unidade_federacao
Key_1	Key_1	Estoque
Key_1	Key_1	usuario_email
Key_1	Key_1	usuario
Key_1	Key_1	usuario_telefone
Key_1	Key_1	Proposta

<i>Name</i>	<i>Code</i>	<i>Table</i>
Key_1	Key_1	Produtos
Key_1	Key_1	cotacao
Key_1	Key_1	usuario_endereco

#### **4.2.1.4 Table cidade**

##### **4.2.1.4.1 Card of table cidade**

<i>Name</i>	cidade
<i>Code</i>	cidade
<i>DBMS</i>	MySQL 5.0

##### **4.2.1.4.2 Check constraint name of the table cidade**

TK\_cidade

##### **4.2.1.4.3 Server validation rule of the table cidade**

%RULES%

##### **4.2.1.4.4 Code preview of the table cidade**

drop table if exists cidade;

```
/*=====*/
/* Table: cidade */
/*=====*/
```

create table cidade

```
(
  cidade_id      varchar(7) not null,
  uf_id          char,
  cotacao_id     int not null,
  desc_cidade    varchar(60)
);
```

alter table cidade

add primary key (cidade\_id);

alter table cidade add constraint FK\_cidade\_cotacao foreign key (cotacao\_id)  
references cotacao (cotacao\_id) on delete restrict on update restrict;

alter table cidade add constraint FK\_cidade\_uf foreign key (uf\_id)  
references Unidade\_federacao (uf\_id) on delete restrict on update restrict;

alter table usuario\_endereco add constraint FK\_cidade\_endereco foreign key (cidade\_id)  
references cidade (cidade\_id) on delete restrict on update restrict;

##### **4.2.1.4.5 List of diagrams containing the table cidade**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

##### **4.2.1.4.6 List of incoming references of the table cidade**

<i>Name</i>	<i>Code</i>
cidade_endereco	cidade_endereco

##### **4.2.1.4.7 List of outgoing references of the table cidade**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
cidade_cotacao	cidade_cotacao	cotacao_id

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
cidade_uf	cidade_uf	uf_id

**4.2.1.4.8 List of all dependencies of the table cidade**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
cidade_cotacao	cidade_cotacao	Reference
cidade_endereco	cidade_endereco	Reference
cidade_uf	cidade_uf	Reference

**4.2.1.4.9 List of extended attributes of the table cidade**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.4.10 List of columns of the table cidade**

<i>Name</i>	<i>Code</i>
cidade_id	cidade_id
uf_id	uf_id
cotacao_id	cotacao_id
desc_cidade	desc_cidade

**4.2.1.4.11 Column cidade\_id of the table cidade****4.2.1.4.11.1 Card of the column cidade\_id of the table cidade**

<i>Name</i>	cidade_id
<i>Code</i>	cidade_id
<i>Data Type</i>	varchar(7)
<i>Mandatory</i>	Yes

**4.2.1.4.11.2 Check constraint name of the column cidade\_id of the table cidade**

CK\_cidade\_id

**4.2.1.4.11.3 Check of the column cidade\_id of the table cidade**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.4.11.4 Server validation rule of the column cidade\_id of the table cidade**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.4.11.5 List of all dependencies of the table column cidade\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join
Key_1	Key_1	Key

**4.2.1.4.11.6 List of extended attributes of the table column cidade\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0



<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.4.12 Column uf\_id of the table cidade**

##### **4.2.1.4.12.1 Card of the column uf\_id of the table cidade**

<i>Name</i>	uf_id
<i>Code</i>	uf_id
<i>Data Type</i>	char
<i>Mandatory</i>	No

##### **4.2.1.4.12.2 Check constraint name of the column uf\_id of the table cidade**

CK\_uf\_id

##### **4.2.1.4.12.3 Check of the column uf\_id of the table cidade**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.4.12.4 Server validation rule of the column uf\_id of the table cidade**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.4.12.5 List of all dependencies of the table column uf\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

##### **4.2.1.4.12.6 List of extended attributes of the table column uf\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.4.13 Column cotacao\_id of the table cidade**

##### **4.2.1.4.13.1 Card of the column cotacao\_id of the table cidade**

<i>Name</i>	cotacao_id
<i>Code</i>	cotacao_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

##### **4.2.1.4.13.2 Check constraint name of the column cotacao\_id of the table cidade**

CK\_cotacao\_id

**4.2.1.4.13.3 Check of the column cotacao id of the table cidade**

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

**4.2.1.4.13.4 Server validation rule of the column cotacao id of the table cidade**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.4.13.5 List of all dependencies of the table column cotacao id**

Name	Code	Class Name
?	?	Reference Join

**4.2.1.4.13.6 List of extended attributes of the table column cotacao id**

Name	Data Type	Value	Target Name
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.4.14 Column desc\_cidade of the table cidade****4.2.1.4.14.1 Card of the column desc\_cidade of the table cidade**

Name	desc_cidade
Code	desc_cidade
Data Type	varchar(60)
Mandatory	No

**4.2.1.4.14.2 Check constraint name of the column desc\_cidade of the table cidade**

CK\_desc\_cidade

**4.2.1.4.14.3 Check of the column desc\_cidade of the table cidade**

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

**4.2.1.4.14.4 Server validation rule of the column desc\_cidade of the table cidade**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.4.14.5 List of extended attributes of the table column desc\_cidade**

Name	Data Type	Value	Target Name
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.4.15 List of keys of the table cidade**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.4.16 Key Key\_1 of the table cidade****4.2.1.4.16.1 Card of the key Key\_1 of the table cidade**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	cidade

**4.2.1.4.16.2 Code preview of the key Key\_1 of the table cidade**

```
alter table cidade
```

```
add primary key (cidade_id);
```

```
alter table usuario_endereco add constraint FK_cidade_endereco foreign key (cidade_id)
```

```
references cidade (cidade_id) on delete restrict on update restrict;
```

**4.2.1.4.16.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
cidade_id	cidade_id

**4.2.1.4.16.4 List of all dependencies of the table key Key\_1**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
cidade_endereco	cidade_endereco	Reference

**4.2.1.4.16.5 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

**4.2.1.5 Table cotacao****4.2.1.5.1 Card of table cotacao**

<i>Name</i>	cotacao
<i>Code</i>	cotacao
<i>DBMS</i>	MySQL 5.0

**4.2.1.5.2 Check constraint name of the table cotacao**

```
TK_cotacao
```

**4.2.1.5.3 Server validation rule of the table cotacao**

```
%RULES%
```

**4.2.1.5.4 Code preview of the table cotacao**

```
drop table if exists cotacao;
```

```
/*=====*/
/* Table: cotacao */
/*=====*/
```

```
create table cotacao
```

```
(
  cotacao_id      int not null,
  cidade_id       varchar(7),
  desc_prduto     varchar(80),
  uf_id           char,
  vlr             float,
  data_entrada    datetime
);
```

```
alter table cotacao
  add primary key (cotacao_id);
```

```
alter table cidade add constraint FK_cidade_cotacao foreign key (cotacao_id)
  references cotacao (cotacao_id) on delete restrict on update restrict;
```

#### 4.2.1.5.5 List of diagrams containing the table cotacao

Name	Code
DER	PHYSICALDIAGRAM_1

#### 4.2.1.5.6 List of incoming references of the table cotacao

Name	Code
cidade_cotacao	cidade_cotacao

#### 4.2.1.5.7 List of all dependencies of the table cotacao

Name	Code	Class Name
cidade_cotacao	cidade_cotacao	Reference

#### 4.2.1.5.8 List of extended attributes of the table cotacao

Name	Data Type	Value	Target Name
Temporary	(Boolean)	false	MySQL 5.0

#### 4.2.1.5.9 List of columns of the table cotacao

Name	Code
cotacao_id	cotacao_id
cidade_id	cidade_id
desc_prduto	desc_prduto
uf_id	uf_id
vlr	vlr
data_entrada	data_entrada

#### 4.2.1.5.10 Column cotacao\_id of the table cotacao

##### 4.2.1.5.10.1 Card of the column cotacao\_id of the table cotacao

Name	cotacao_id
Code	cotacao_id
Data Type	int
Mandatory	Yes

##### 4.2.1.5.10.2 Check constraint name of the column cotacao\_id of the table cotacao

CK\_cotacao\_id

##### 4.2.1.5.10.3 Check of the column cotacao\_id of the table cotacao

Minimum Value	
---------------	--

<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.5.10.4 Server validation rule of the column cotacao\_id of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.5.10.5 List of all dependencies of the table column cotacao\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join
Key_1	Key_1	Key

**4.2.1.5.10.6 List of extended attributes of the table column cotacao\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.5.11 Column cidade\_id of the table cotacao****4.2.1.5.11.1 Card of the column cidade\_id of the table cotacao**

<i>Name</i>	cidade_id
<i>Code</i>	cidade_id
<i>Data Type</i>	varchar(7)
<i>Mandatory</i>	No

**4.2.1.5.11.2 Check constraint name of the column cidade\_id of the table cotacao**

CK\_cidade\_id

**4.2.1.5.11.3 Check of the column cidade\_id of the table cotacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.5.11.4 Server validation rule of the column cidade\_id of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.5.11.5 List of extended attributes of the table column cidade\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.5.12 Column desc\_prduto of the table cotacao**

##### **4.2.1.5.12.1 Card of the column desc\_prduto of the table cotacao**

<i>Name</i>	desc_prduto
<i>Code</i>	desc_prduto
<i>Data Type</i>	varchar(80)
<i>Mandatory</i>	No

##### **4.2.1.5.12.2 Check constraint name of the column desc\_prduto of the table cotacao**

CK\_desc\_prduto

##### **4.2.1.5.12.3 Check of the column desc\_prduto of the table cotacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.5.12.4 Server validation rule of the column desc\_prduto of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.5.12.5 List of extended attributes of the table column desc\_prduto**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.5.13 Column uf\_id of the table cotacao**

##### **4.2.1.5.13.1 Card of the column uf\_id of the table cotacao**

<i>Name</i>	uf_id
<i>Code</i>	uf_id
<i>Data Type</i>	char
<i>Mandatory</i>	No

##### **4.2.1.5.13.2 Check constraint name of the column uf\_id of the table cotacao**

CK\_uf\_id

##### **4.2.1.5.13.3 Check of the column uf\_id of the table cotacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	

<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.5.13.4 Server validation rule of the column uf id of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.5.13.5 List of extended attributes of the table column uf id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.5.14 Column vlr of the table cotacao****4.2.1.5.14.1 Card of the column vlr of the table cotacao**

<i>Name</i>	vlr
<i>Code</i>	vlr
<i>Data Type</i>	float
<i>Mandatory</i>	No

**4.2.1.5.14.2 Check constraint name of the column vlr of the table cotacao**

CK\_vlr

**4.2.1.5.14.3 Check of the column vlr of the table cotacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.5.14.4 Server validation rule of the column vlr of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.5.14.5 List of extended attributes of the table column vlr**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.5.15 Column data entrada of the table cotacao****4.2.1.5.15.1 Card of the column data entrada of the table cotacao**

<i>Name</i>	data_entrada
<i>Code</i>	data_entrada
<i>Data Type</i>	datetime
<i>Mandatory</i>	No

**4.2.1.5.15.2 Check constraint name of the column data entrada of the table cotacao**

CK\_data\_entrada

**4.2.1.5.15.3 Check of the column data entrada of the table cotacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.5.15.4 Server validation rule of the column data entrada of the table cotacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.5.15.5 List of extended attributes of the table column data entrada**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.5.16 List of keys of the table cotacao**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.5.17 Key Key\_1 of the table cotacao****4.2.1.5.17.1 Card of the key Key\_1 of the table cotacao**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	cotacao

**4.2.1.5.17.2 Code preview of the key Key\_1 of the table cotacao**

```
alter table cotacao
  add primary key (cotacao_id);
```

```
alter table cidade add constraint FK_cidade_cotacao foreign key (cotacao_id)
  references cotacao (cotacao_id) on delete restrict on update restrict;
```

**4.2.1.5.17.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
cotacao_id	cotacao_id

**4.2.1.5.17.4 List of all dependencies of the table key Key\_1**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
cidade_cotacao	cidade_cotacao	Reference

**4.2.1.5.17.5 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0



**4.2.1.6 Table Estoque****4.2.1.6.1 Card of table Estoque**

<i>Name</i>	Estoque
<i>Code</i>	Estoque
<i>DBMS</i>	MySQL 5.0

**4.2.1.6.2 Check constraint name of the table Estoque**

TK\_Estoque

**4.2.1.6.3 Server validation rule of the table Estoque**

%RULES%

**4.2.1.6.4 Code preview of the table Estoque**

drop table if exists Estoque;

```
/*=====*/
/* Table: Estoque */
/*=====*/
```

create table Estoque

```
(
  usuario_id      int not null,
  produto_id      int not null,
  qtd             float,
  vlr             float,
  observacao      text,
  condicao_armazenamento varchar(200),
  data_disponibilidade datetime
);
```

alter table Estoque

add primary key (usuario\_id, produto\_id);

```
alter table Estoque add constraint FK_estoque_produtos foreign key (produto_id)
references Produtos (produto_id) on delete restrict on update restrict;
```

```
alter table Estoque add constraint FK_estoque_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

**4.2.1.6.5 List of diagrams containing the table Estoque**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.2.1.6.6 List of outgoing references of the table Estoque**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
estoque_produtos	estoque_produtos	produto_id
estoque_usuario	estoque_usuario	usuario_id

**4.2.1.6.7 List of all dependencies of the table Estoque**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
estoque_produtos	estoque_produtos	Reference
estoque_usuario	estoque_usuario	Reference

**4.2.1.6.8 List of extended attributes of the table Estoque**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.6.9 List of columns of the table Estoque**

<i>Name</i>	<i>Code</i>
usuario_id	usuario_id
produto_id	produto_id
qtd	qtd
vlr	vlr
observacao	observacao
condicao_armazenamento	condicao_armazenamento
data_disponibilidade	data_disponibilidade

**4.2.1.6.10 Column usuario\_id of the table Estoque****4.2.1.6.10.1 Card of the column usuario\_id of the table Estoque**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.6.10.2 Check constraint name of the column usuario\_id of the table Estoque**

CK\_usuario\_id

**4.2.1.6.10.3 Check of the column usuario\_id of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.10.4 Server validation rule of the column usuario\_id of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.10.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key
?	?	Reference Join

**4.2.1.6.10.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.11 Column produto\_id of the table Estoque****4.2.1.6.11.1 Card of the column produto\_id of the table Estoque**

<i>Name</i>	produto_id
-------------	------------

<i>Code</i>	produto_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.6.11.2 Check constraint name of the column produto\_id of the table Estoque**

CK\_produto\_id

**4.2.1.6.11.3 Check of the column produto\_id of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.11.4 Server validation rule of the column produto\_id of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.11.5 List of all dependencies of the table column produto\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key
?	?	Reference Join

**4.2.1.6.11.6 List of extended attributes of the table column produto\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.12 Column qtd of the table Estoque****4.2.1.6.12.1 Card of the column qtd of the table Estoque**

<i>Name</i>	qtd
<i>Code</i>	qtd
<i>Data Type</i>	float
<i>Mandatory</i>	No

**4.2.1.6.12.2 Check constraint name of the column qtd of the table Estoque**

CK\_qtd

**4.2.1.6.12.3 Check of the column qtd of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.12.4 Server validation rule of the column qtd of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.12.5 List of extended attributes of the table column qtd**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.13 Column vlr of the table Estoque****4.2.1.6.13.1 Card of the column vlr of the table Estoque**

<i>Name</i>	vlr
<i>Code</i>	vlr
<i>Data Type</i>	float
<i>Mandatory</i>	No

**4.2.1.6.13.2 Check constraint name of the column vlr of the table Estoque**

CK\_vlr

**4.2.1.6.13.3 Check of the column vlr of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.13.4 Server validation rule of the column vlr of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.13.5 List of extended attributes of the table column vlr**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.14 Column observacao of the table Estoque****4.2.1.6.14.1 Card of the column observacao of the table Estoque**

<i>Name</i>	observacao
<i>Code</i>	observacao
<i>Data Type</i>	text
<i>Mandatory</i>	No

**4.2.1.6.14.2 Check constraint name of the column observacao of the table Estoque**

CK\_observacao

**4.2.1.6.14.3 Check of the column observacao of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.14.4 Server validation rule of the column observacao of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.14.5 List of extended attributes of the table column observacao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.15 Column condicao armazenamento of the table Estoque****4.2.1.6.15.1 Card of the column condicao armazenamento of the table Estoque**

<i>Name</i>	condicao_armazenamento
<i>Code</i>	condicao_armazenamento
<i>Data Type</i>	varchar(200)
<i>Mandatory</i>	No

**4.2.1.6.15.2 Check constraint name of the column condicao armazenamento of the table Estoque**

CK\_condicao\_armazenamento

**4.2.1.6.15.3 Check of the column condicao armazenamento of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.15.4 Server validation rule of the column condicao armazenamento of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.15.5 List of extended attributes of the table column condicao armazenamento**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.16 Column data disponibilidade of the table Estoque****4.2.1.6.16.1 Card of the column data disponibilidade of the table Estoque**

<i>Name</i>	data_disponibilidade
<i>Code</i>	data_disponibilidade
<i>Data Type</i>	datetime
<i>Mandatory</i>	No

**4.2.1.6.16.2 Check constraint name of the column data disponibilidade of the table Estoque**

CK\_data\_disponibilidade

**4.2.1.6.16.3 Check of the column data disponibilidade of the table Estoque**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.6.16.4 Server validation rule of the column data disponibilidade of the table Estoque**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.6.16.5 List of extended attributes of the table column data disponibilidade**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.6.17 List of keys of the table Estoque**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.6.18 Key Key\_1 of the table Estoque****4.2.1.6.18.1 Card of the key Key\_1 of the table Estoque**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	Estoque

**4.2.1.6.18.2 Code preview of the key Key\_1 of the table Estoque**

```
alter table Estoque
  add primary key (usuario_id, produto_id);
```

**4.2.1.6.18.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
usuario_id	usuario_id
produto_id	produto_id

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

#### **4.2.1.7 Table Produtos**

##### **4.2.1.7.1 Card of table Produtos**

<i>Name</i>	Produtos
<i>Code</i>	Produtos
<i>DBMS</i>	MySQL 5.0

##### **4.2.1.7.2 Check constraint name of the table Produtos**

TK\_Produtos

##### **4.2.1.7.3 Server validation rule of the table Produtos**

%RULES%

##### **4.2.1.7.4 Code preview of the table Produtos**

drop table if exists Produtos;

```
/*=====*/
/* Table: Produtos */
/*=====*/
```

create table Produtos

```
(
  produto_id      int not null,
  usuario_id      int not null,
  desc_produto    varchar(130),
  organico        bool,
  unidade_id      char,
  safra           varchar(20),
  desc_detalhada   varchar(300),
  certificacao     varchar(50)
);
```

```
alter table Produtos
  add primary key (produto_id);
```

```
alter table Estoque add constraint FK_estoque_produtos foreign key (produto_id)
  references Produtos (produto_id) on delete restrict on update restrict;
```

```
alter table Produtos add constraint FK_produto_usuario foreign key (usuario_id)
  references usuario (usuario_id) on delete restrict on update restrict;
```

##### **4.2.1.7.5 List of diagrams containing the table Produtos**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

##### **4.2.1.7.6 List of incoming references of the table Produtos**

<i>Name</i>	<i>Code</i>
estoque_produtos	estoque_produtos

##### **4.2.1.7.7 List of outgoing references of the table Produtos**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
produto_usuario	produto_usuario	usuario_id

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
estoque_produtos	estoque_produtos	Reference
produto_usuario	produto_usuario	Reference

**4.2.1.7.9 List of extended attributes of the table Produtos**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.7.10 List of columns of the table Produtos**

<i>Name</i>	<i>Code</i>
produto_id	produto_id
usuario_id	usuario_id
desc_produto	desc_produto
organico	organico
unidade_medida	unidade_id
safra	safra
desc_detalhada	desc_detalhada
certificacao	certificacao

**4.2.1.7.11 Column produto\_id of the table Produtos****4.2.1.7.11.1 Card of the column produto\_id of the table Produtos**

<i>Name</i>	produto_id
<i>Code</i>	produto_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.7.11.2 Check constraint name of the column produto\_id of the table Produtos**

CK\_produto\_id

**4.2.1.7.11.3 Check of the column produto\_id of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.11.4 Server validation rule of the column produto\_id of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.11.5 List of all dependencies of the table column produto\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key
?	?	Reference Join

**4.2.1.7.11.6 List of extended attributes of the table column produto\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0



<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.7.12 Column usuario\_id of the table Produtos**

##### **4.2.1.7.12.1 Card of the column usuario\_id of the table Produtos**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

##### **4.2.1.7.12.2 Check constraint name of the column usuario\_id of the table Produtos**

CK\_usuario\_id

##### **4.2.1.7.12.3 Check of the column usuario\_id of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.7.12.4 Server validation rule of the column usuario\_id of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.7.12.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

##### **4.2.1.7.12.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.7.13 Column desc\_produto of the table Produtos**

##### **4.2.1.7.13.1 Card of the column desc\_produto of the table Produtos**

<i>Name</i>	desc_produto
<i>Code</i>	desc_produto
<i>Data Type</i>	varchar(130)
<i>Mandatory</i>	No

##### **4.2.1.7.13.2 Check constraint name of the column desc\_produto of the table Produtos**

CK\_desc\_produto

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.13.4 Server validation rule of the column desc produto of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.13.5 List of extended attributes of the table column desc produto**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.7.14 Column organico of the table Produtos****4.2.1.7.14.1 Card of the column organico of the table Produtos**

<i>Name</i>	organico
<i>Code</i>	organico
<i>Data Type</i>	bool
<i>Mandatory</i>	No

**4.2.1.7.14.2 Check constraint name of the column organico of the table Produtos**

CK\_organico

**4.2.1.7.14.3 Check of the column organico of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.14.4 Server validation rule of the column organico of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.14.5 List of extended attributes of the table column organico**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.7.15 Column unidade medida of the table Produtos**

**4.2.1.7.15.1 Card of the column unidade medida of the table Produtos**

<i>Name</i>	unidade_medida
<i>Code</i>	unidade_id
<i>Data Type</i>	char
<i>Mandatory</i>	No

**4.2.1.7.15.2 Check constraint name of the column unidade medida of the table Produtos**

CK\_unidade\_id

**4.2.1.7.15.3 Check of the column unidade medida of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.15.4 Server validation rule of the column unidade medida of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.15.5 List of extended attributes of the table column unidade medida**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.7.16 Column safra of the table Produtos****4.2.1.7.16.1 Card of the column safra of the table Produtos**

<i>Name</i>	safra
<i>Code</i>	safra
<i>Data Type</i>	varchar(20)
<i>Mandatory</i>	No

**4.2.1.7.16.2 Check constraint name of the column safra of the table Produtos**

CK\_safra

**4.2.1.7.16.3 Check of the column safra of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.16.4 Server validation rule of the column safra of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.16.5 List of extended attributes of the table column safra**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.7.17 Column desc\_detalhada of the table Produtos****4.2.1.7.17.1 Card of the column desc\_detalhada of the table Produtos**

<i>Name</i>	desc_detalhada
<i>Code</i>	desc_detalhada
<i>Data Type</i>	varchar(300)
<i>Mandatory</i>	No

**4.2.1.7.17.2 Check constraint name of the column desc\_detalhada of the table Produtos**

CK\_desc\_detalhada

**4.2.1.7.17.3 Check of the column desc\_detalhada of the table Produtos**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.7.17.4 Server validation rule of the column desc\_detalhada of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.7.17.5 List of extended attributes of the table column desc\_detalhada**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.7.18 Column certificacao of the table Produtos****4.2.1.7.18.1 Card of the column certificacao of the table Produtos**

<i>Name</i>	certificacao
<i>Code</i>	certificacao
<i>Data Type</i>	varchar(50)
<i>Mandatory</i>	No

**4.2.1.7.18.2 Check constraint name of the column certificacao of the table Produtos**

CK\_certificacao

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.7.18.4 Server validation rule of the column certificacao of the table Produtos**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.7.18.5 List of extended attributes of the table column certificacao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.7.19 List of keys of the table Produtos**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

#### **4.2.1.7.20 Key Key\_1 of the table Produtos**

##### **4.2.1.7.20.1 Card of the key Key\_1 of the table Produtos**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	Produtos

##### **4.2.1.7.20.2 Code preview of the key Key\_1 of the table Produtos**

```
alter table Produtos
```

```
add primary key (produto_id);
```

```
alter table Estoque add constraint FK_estoque_produtos foreign key (produto_id)
```

```
references Produtos (produto_id) on delete restrict on update restrict;
```

##### **4.2.1.7.20.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
produto_id	produto_id

##### **4.2.1.7.20.4 List of all dependencies of the table key Key\_1**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
estoque_produtos	estoque_produtos	Reference

##### **4.2.1.7.20.5 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

#### **4.2.1.8 Table Proposta**

<i>Name</i>	Proposta
<i>Code</i>	Proposta
<i>DBMS</i>	MySQL 5.0

**4.2.1.8.2 Check constraint name of the table Proposta**

TK\_Proposta

**4.2.1.8.3 Server validation rule of the table Proposta**

%RULES%

**4.2.1.8.4 Code preview of the table Proposta**

drop table if exists Proposta;

```
/*=====*/
/* Table: Proposta */
/*=====*/
```

create table Proposta

```
(
  proposta_id      int not null,
  usuario_id       int not null,
  usuario_destino_id int,
  usuario_comprador_id int,
  descricao        text,
  avaliacao_compraor int,
  data_envio       datetime,
  vlr              float,
  data_aceitacao   datetime,
  avaliacao_produto int
);
```

alter table Proposta

add primary key (proposta\_id);

alter table Proposta add constraint FK\_usuario\_comprador foreign key ()

references usuario (usuario\_id) on delete restrict on update restrict;

alter table Proposta add constraint FK\_usuario\_vendedor foreign key (usuario\_id)

references usuario (usuario\_id) on delete restrict on update restrict;

**4.2.1.8.5 List of diagrams containing the table Proposta**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.2.1.8.6 List of outgoing references of the table Proposta**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
usuario_comprador	usuario_comprador	usuario_id
usuario_vendedor	usuario_vendedor	

**4.2.1.8.7 List of all dependencies of the table Proposta**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
usuario_comprador	usuario_comprador	Reference
usuario_vendedor	usuario_vendedor	Reference

**4.2.1.8.8 List of extended attributes of the table Proposta**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.8.9 List of columns of the table Proposta**

<i>Name</i>	<i>Code</i>
proposta_id	proposta_id
usuario_id	usuario_id
usuario_destino_id	usuario_destino_id
usuario_comprador_id	usuario_comprador_id
descricao	descricao
avaliacao_compraor	avaliacao_compraor
data_envio	data_envio
vlr	vlr
data_aceitacao	data_aceitacao
avaliacao_produto	avaliacao_produto

**4.2.1.8.10 Column proposta\_id of the table Proposta****4.2.1.8.10.1 Card of the column proposta\_id of the table Proposta**

<i>Name</i>	proposta_id
<i>Code</i>	proposta_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.8.10.2 Check constraint name of the column proposta\_id of the table Proposta**

CK\_proposta\_id

**4.2.1.8.10.3 Check of the column proposta\_id of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.8.10.4 Server validation rule of the column proposta\_id of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.8.10.5 List of all dependencies of the table column proposta\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key

**4.2.1.8.10.6 List of extended attributes of the table column proposta\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.8.11 Column usuario\_id of the table Proposta**

**4.2.1.8.11.1 Card of the column usuario\_id of the table Proposta**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.8.11.2 Check constraint name of the column usuario\_id of the table Proposta**

CK\_usuario\_id

**4.2.1.8.11.3 Check of the column usuario\_id of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.8.11.4 Server validation rule of the column usuario\_id of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.8.11.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

**4.2.1.8.11.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.8.12 Column usuario\_destino\_id of the table Proposta****4.2.1.8.12.1 Card of the column usuario\_destino\_id of the table Proposta**

<i>Name</i>	usuario_destino_id
<i>Code</i>	usuario_destino_id
<i>Data Type</i>	int
<i>Mandatory</i>	No

**4.2.1.8.12.2 Check constraint name of the column usuario\_destino\_id of the table Proposta**

CK\_usuario\_destino\_id

**4.2.1.8.12.3 Check of the column usuario\_destino\_id of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	



<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.8.12.4 Server validation rule of the column usuario\_destino\_id of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.8.12.5 List of extended attributes of the table column usuario\_destino\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.13 Column usuario\_comprador\_id of the table Proposta**

##### **4.2.1.8.13.1 Card of the column usuario\_comprador\_id of the table Proposta**

<i>Name</i>	usuario_comprador_id
<i>Code</i>	usuario_comprador_id
<i>Data Type</i>	int
<i>Mandatory</i>	No

##### **4.2.1.8.13.2 Check constraint name of the column usuario\_comprador\_id of the table Proposta**

CK\_usuario\_comprador\_id

##### **4.2.1.8.13.3 Check of the column usuario\_comprador\_id of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.8.13.4 Server validation rule of the column usuario\_comprador\_id of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.8.13.5 List of extended attributes of the table column usuario\_comprador\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.14 Column descricao of the table Proposta**

##### **4.2.1.8.14.1 Card of the column descricao of the table Proposta**

<i>Name</i>	descricao
<i>Code</i>	descricao
<i>Data Type</i>	text
<i>Mandatory</i>	No

**4.2.1.8.14.2 Check constraint name of the column descricao of the table Proposta**

CK\_descricao

**4.2.1.8.14.3 Check of the column descricao of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.8.14.4 Server validation rule of the column descricao of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.8.14.5 List of extended attributes of the table column descricao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.8.15 Column avaliacao\_compraor of the table Proposta****4.2.1.8.15.1 Card of the column avaliacao\_compraor of the table Proposta**

<i>Name</i>	avaliacao_compraor
<i>Code</i>	avaliacao_compraor
<i>Data Type</i>	int
<i>Mandatory</i>	No

**4.2.1.8.15.2 Check constraint name of the column avaliacao\_compraor of the table Proposta**

CK\_avaliacao\_compraor

**4.2.1.8.15.3 Check of the column avaliacao\_compraor of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.8.15.4 Server validation rule of the column avaliacao\_compraor of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.8.15.5 List of extended attributes of the table column avaliacao\_compraor**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.16 Column data\_envio of the table Proposta**

##### **4.2.1.8.16.1 Card of the column data\_envio of the table Proposta**

<i>Name</i>	data_envio
<i>Code</i>	data_envio
<i>Data Type</i>	datetime
<i>Mandatory</i>	No

##### **4.2.1.8.16.2 Check constraint name of the column data\_envio of the table Proposta**

CK\_data\_envio

##### **4.2.1.8.16.3 Check of the column data\_envio of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.8.16.4 Server validation rule of the column data\_envio of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.8.16.5 List of extended attributes of the table column data\_envio**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.17 Column vlr of the table Proposta**

##### **4.2.1.8.17.1 Card of the column vlr of the table Proposta**

<i>Name</i>	vlr
<i>Code</i>	vlr
<i>Data Type</i>	float
<i>Mandatory</i>	No

##### **4.2.1.8.17.2 Check constraint name of the column vlr of the table Proposta**

CK\_vlr

##### **4.2.1.8.17.3 Check of the column vlr of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	

<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.8.17.4 Server validation rule of the column vlr of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.8.17.5 List of extended attributes of the table column vlr**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.18 Column data aceitacao of the table Proposta**

##### **4.2.1.8.18.1 Card of the column data aceitacao of the table Proposta**

<i>Name</i>	data_aceitacao
<i>Code</i>	data_aceitacao
<i>Data Type</i>	datetime
<i>Mandatory</i>	No

##### **4.2.1.8.18.2 Check constraint name of the column data aceitacao of the table Proposta**

CK\_data\_aceitacao

##### **4.2.1.8.18.3 Check of the column data aceitacao of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.8.18.4 Server validation rule of the column data aceitacao of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.8.18.5 List of extended attributes of the table column data aceitacao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.8.19 Column avaliacao produtor of the table Proposta**

##### **4.2.1.8.19.1 Card of the column avaliacao produtor of the table Proposta**

<i>Name</i>	avaliacao_produtor
<i>Code</i>	avaliacao_produtor
<i>Data Type</i>	int
<i>Mandatory</i>	No

**4.2.1.8.19.2 Check constraint name of the column avaliacao produtor of the table Proposta**

CK\_avaliacao\_produtor

**4.2.1.8.19.3 Check of the column avaliacao produtor of the table Proposta**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.8.19.4 Server validation rule of the column avaliacao produtor of the table Proposta**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.8.19.5 List of extended attributes of the table column avaliacao produtor**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.8.20 List of keys of the table Proposta**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.8.21 Key Key\_1 of the table Proposta****4.2.1.8.21.1 Card of the key Key\_1 of the table Proposta**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	Proposta

**4.2.1.8.21.2 Code preview of the key Key\_1 of the table Proposta**

```
alter table Proposta
  add primary key (proposta_id);
```

**4.2.1.8.21.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
proposta_id	proposta_id

**4.2.1.8.21.4 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

**4.2.1.9 Table Unidade federacao****4.2.1.9.1 Card of table Unidade federacao**

<i>Name</i>	Unidade_federacao
<i>Code</i>	Unidade_federacao
<i>DBMS</i>	MySQL 5.0

**4.2.1.9.2 Check constraint name of the table Unidade\_federacao**

TK\_Unidade\_federacao

**4.2.1.9.3 Server validation rule of the table Unidade\_federacao**

%RULES%

**4.2.1.9.4 Code preview of the table Unidade\_federacao**

drop table if exists Unidade\_federacao;

```

/*=====*/
/* Table: Unidade_federacao          */
/*=====*/

create table Unidade_federacao
(
    uf_id          char not null,
    desc_uf        varchar(80)
);

```

```

alter table Unidade_federacao
    add primary key (uf_id);

```

```

alter table cidade add constraint FK_cidade_uf foreign key (uf_id)
    references Unidade_federacao (uf_id) on delete restrict on update restrict;

```

```

alter table usuario_endereco add constraint FK_uf_endereco foreign key (uf_id)
    references Unidade_federacao (uf_id) on delete restrict on update restrict;

```

**4.2.1.9.5 List of diagrams containing the table Unidade\_federacao**

Name	Code
DER	PHYSICALDIAGRAM_1

**4.2.1.9.6 List of incoming references of the table Unidade\_federacao**

Name	Code
cidade_uf uf_endereco	cidade_uf uf_endereco

**4.2.1.9.7 List of all dependencies of the table Unidade\_federacao**

Name	Code	Class Name
cidade_uf	cidade_uf	Reference
uf_endereco	uf_endereco	Reference

**4.2.1.9.8 List of extended attributes of the table Unidade\_federacao**

Name	Data Type	Value	Target Name
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.9.9 List of columns of the table Unidade\_federacao**

Name	Code
uf_id	uf_id
desc_uf	desc_uf

**4.2.1.9.10 Column uf\_id of the table Unidade\_federacao****4.2.1.9.10.1 Card of the column uf\_id of the table Unidade\_federacao**

Name	uf_id
Code	uf_id

<i>Data Type</i>	char
<i>Mandatory</i>	Yes

**4.2.1.9.10.2 Check constraint name of the column uf\_id of the table Unidade\_federacao**

CK\_uf\_id

**4.2.1.9.10.3 Check of the column uf\_id of the table Unidade\_federacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.9.10.4 Server validation rule of the column uf\_id of the table Unidade\_federacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.9.10.5 List of all dependencies of the table column uf\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key
?	?	Reference Join
?	?	Reference Join

**4.2.1.9.10.6 List of extended attributes of the table column uf\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.9.11 Column desc\_uf of the table Unidade\_federacao****4.2.1.9.11.1 Card of the column desc\_uf of the table Unidade\_federacao**

<i>Name</i>	desc_uf
<i>Code</i>	desc_uf
<i>Data Type</i>	varchar(80)
<i>Mandatory</i>	No

**4.2.1.9.11.2 Check constraint name of the column desc\_uf of the table Unidade\_federacao**

CK\_desc\_uf

**4.2.1.9.11.3 Check of the column desc\_uf of the table Unidade\_federacao**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.9.11.4 Server validation rule of the column desc uf of the table Unidade federacao**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.9.11.5 List of extended attributes of the table column desc uf**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.9.12 List of keys of the table Unidade federacao**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.9.13 Key Key\_1 of the table Unidade federacao****4.2.1.9.13.1 Card of the key Key\_1 of the table Unidade federacao**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	Unidade_federacao

**4.2.1.9.13.2 Code preview of the key Key\_1 of the table Unidade federacao**

```
alter table Unidade_federacao
  add primary key (uf_id);
```

```
alter table cidade add constraint FK_cidade_uf foreign key (uf_id)
  references Unidade_federacao (uf_id) on delete restrict on update restrict;
```

```
alter table usuario_endereco add constraint FK_uf_endereco foreign key (uf_id)
  references Unidade_federacao (uf_id) on delete restrict on update restrict;
```

**4.2.1.9.13.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
uf_id	uf_id

**4.2.1.9.13.4 List of all dependencies of the table key Key\_1**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
cidade_uf	cidade_uf	Reference
uf_endereco	uf_endereco	Reference

**4.2.1.9.13.5 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

**4.2.1.10 Table usuario****4.2.1.10.1 Card of table usuario**

<i>Name</i>	usuario
<i>Code</i>	usuario
<i>DBMS</i>	MySQL 5.0

**4.2.1.10.2 Check constraint name of the table usuario**



TK\_usuario

**4.2.1.10.3 Server validation rule of the table usuario**

%RULES%

**4.2.1.10.4 Code preview of the table usuario**

drop table if exists usuario;

```

/*=====*/
/* Table: usuario          */
/*=====*/

```

create table usuario

```

(
  usuario_id      int not null,
  cod_login       varchar(15),
  senha          varbinary(12),
  contato        varchar(80),
  insc_produto_rural varchar(30),
  desc_atividade  varchar(300),
  comprador      bool,
  produtor       bool,
  cpf            varchar(11),
  cnpj           varchar(14),
  insc_estadual   varchar(20)
);

```

alter table usuario

add primary key (usuario\_id);

```

alter table Estoque add constraint FK_estoque_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table Produtos add constraint FK_produto_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table Proposta add constraint FK_usuario_comprador foreign key ()
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table Proposta add constraint FK_usuario_vendedor foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table usuario_email add constraint FK_usuario_email_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table usuario_endereco add constraint FK_endereco_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table usuario_telefone add constraint FK_telefone_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

**4.2.1.10.5 List of diagrams containing the table usuario**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

**4.2.1.10.6 List of incoming references of the table usuario**

<i>Name</i>	<i>Code</i>
endereco_usuario	endereco_usuario
estoque_usuario	estoque_usuario
produto_usuario	produto_usuario

<i>Name</i>	<i>Code</i>
telefone_usuario	telefone_usuario
usuario_comprador	usuario_comprador
usuario_email_usuario	usuario_email_usuario
usuario_vendedor	usuario_vendedor

**4.2.1.10.7 List of all dependencies of the table usuario**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
endereco_usuario	endereco_usuario	Reference
estoque_usuario	estoque_usuario	Reference
produto_usuario	produto_usuario	Reference
telefone_usuario	telefone_usuario	Reference
usuario_comprador	usuario_comprador	Reference
usuario_email_usuario	usuario_email_usuario	Reference
usuario_vendedor	usuario_vendedor	Reference

**4.2.1.10.8 List of extended attributes of the table usuario**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.10.9 List of columns of the table usuario**

<i>Name</i>	<i>Code</i>
usuario_id	usuario_id
cod_login	cod_login
senha	senha
contato	contato
insc_produto_rural	insc_produto_rural
desc_atividade	desc_atividade
comprador	comprador
produtor	produtor
cpf	cpf
cnpj	cnpj
insc_estadual	insc_estadual

**4.2.1.10.10 Column usuario\_id of the table usuario****4.2.1.10.10.1 Card of the column usuario\_id of the table usuario**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.10.10.2 Check constraint name of the column usuario\_id of the table usuario**

CK\_usuario\_id

**4.2.1.10.10.3 Check of the column usuario\_id of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	

<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.10.4 Server validation rule of the column usuario\_id of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.10.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join

**4.2.1.10.10.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.10.11 Column cod\_login of the table usuario****4.2.1.10.11.1 Card of the column cod\_login of the table usuario**

<i>Name</i>	cod_login
<i>Code</i>	cod_login
<i>Data Type</i>	varchar(15)
<i>Mandatory</i>	No

**4.2.1.10.11.2 Check constraint name of the column cod\_login of the table usuario**

CK\_cod\_login

**4.2.1.10.11.3 Check of the column cod\_login of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.11.4 Server validation rule of the column cod\_login of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.11.5 List of extended attributes of the table column cod\_login**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
-------------	------------------	--------------	--------------------

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.12 Column senha of the table usuario**

##### **4.2.1.10.12.1 Card of the column senha of the table usuario**

<i>Name</i>	senha
<i>Code</i>	senha
<i>Data Type</i>	varbinary(12)
<i>Mandatory</i>	No

##### **4.2.1.10.12.2 Check constraint name of the column senha of the table usuario**

CK\_senha

##### **4.2.1.10.12.3 Check of the column senha of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.10.12.4 Server validation rule of the column senha of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.10.12.5 List of extended attributes of the table column senha**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.13 Column contato of the table usuario**

##### **4.2.1.10.13.1 Card of the column contato of the table usuario**

<i>Name</i>	contato
<i>Code</i>	contato
<i>Data Type</i>	varchar(80)
<i>Mandatory</i>	No

##### **4.2.1.10.13.2 Check constraint name of the column contato of the table usuario**

CK\_contato

##### **4.2.1.10.13.3 Check of the column contato of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	

<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.10.13.4 Server validation rule of the column contato of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.10.13.5 List of extended attributes of the table column contato**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.14 Column insc\_produtor\_rural of the table usuario**

##### **4.2.1.10.14.1 Card of the column insc\_produtor\_rural of the table usuario**

<i>Name</i>	insc_produtor_rural
<i>Code</i>	insc_produtor_rural
<i>Data Type</i>	varchar(30)
<i>Mandatory</i>	No

##### **4.2.1.10.14.2 Check constraint name of the column insc\_produtor\_rural of the table usuario**

CK\_insc\_produtor\_rural

##### **4.2.1.10.14.3 Check of the column insc\_produtor\_rural of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.10.14.4 Server validation rule of the column insc\_produtor\_rural of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.10.14.5 List of extended attributes of the table column insc\_produtor\_rural**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.15 Column desc\_atividade of the table usuario**

##### **4.2.1.10.15.1 Card of the column desc\_atividade of the table usuario**

<i>Name</i>	desc_atividade
-------------	----------------

<i>Code</i>	desc_atividade
<i>Data Type</i>	varchar(300)
<i>Mandatory</i>	No

**4.2.1.10.15.2 Check constraint name of the column desc\_atividade of the table usuario**

CK\_desc\_atividade

**4.2.1.10.15.3 Check of the column desc\_atividade of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.15.4 Server validation rule of the column desc\_atividade of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.15.5 List of extended attributes of the table column desc\_atividade**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.10.16 Column comparator of the table usuario****4.2.1.10.16.1 Card of the column comparator of the table usuario**

<i>Name</i>	comprador
<i>Code</i>	comprador
<i>Data Type</i>	bool
<i>Mandatory</i>	No

**4.2.1.10.16.2 Check constraint name of the column comprador of the table usuario**

CK\_comprador

**4.2.1.10.16.3 Check of the column comprador of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.16.4 Server validation rule of the column comprador of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.16.5 List of extended attributes of the table column comprador**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
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<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.17 Column produtor of the table usuario**

##### **4.2.1.10.17.1 Card of the column produtor of the table usuario**

<i>Name</i>	produtor
<i>Code</i>	produtor
<i>Data Type</i>	bool
<i>Mandatory</i>	No

##### **4.2.1.10.17.2 Check constraint name of the column produtor of the table usuario**

CK\_produtor

##### **4.2.1.10.17.3 Check of the column produtor of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.10.17.4 Server validation rule of the column produtor of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.10.17.5 List of extended attributes of the table column produtor**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.18 Column cpf of the table usuario**

##### **4.2.1.10.18.1 Card of the column cpf of the table usuario**

<i>Name</i>	cpf
<i>Code</i>	cpf
<i>Data Type</i>	varchar(11)
<i>Mandatory</i>	No

##### **4.2.1.10.18.2 Check constraint name of the column cpf of the table usuario**

CK\_cpf

##### **4.2.1.10.18.3 Check of the column cpf of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	

<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.18.4 Server validation rule of the column cpf of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.18.5 List of extended attributes of the table column cpf**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.10.19 Column cnpj of the table usuario****4.2.1.10.19.1 Card of the column cnpj of the table usuario**

<i>Name</i>	cnpj
<i>Code</i>	cnpj
<i>Data Type</i>	varchar(14)
<i>Mandatory</i>	No

**4.2.1.10.19.2 Check constraint name of the column cnpj of the table usuario**

CK\_cnpj

**4.2.1.10.19.3 Check of the column cnpj of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.10.19.4 Server validation rule of the column cnpj of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.10.19.5 List of extended attributes of the table column cnpj**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.10.20 Column insc estadual of the table usuario****4.2.1.10.20.1 Card of the column insc estadual of the table usuario**

<i>Name</i>	insc_estadual
-------------	---------------



<i>Code</i>	insc_estadual
<i>Data Type</i>	varchar(20)
<i>Mandatory</i>	No

#### **4.2.1.10.20.2 Check constraint name of the column insc\_estadual of the table usuario**

CK\_insc\_estadual

#### **4.2.1.10.20.3 Check of the column insc\_estadual of the table usuario**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.10.20.4 Server validation rule of the column insc\_estadual of the table usuario**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.10.20.5 List of extended attributes of the table column insc\_estadual**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.10.21 List of keys of the table usuario**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

#### **4.2.1.10.22 Key Key\_1 of the table usuario**

##### **4.2.1.10.22.1 Card of the key Key\_1 of the table usuario**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	usuario

##### **4.2.1.10.22.2 Code preview of the key Key\_1 of the table usuario**

alter table usuario

add primary key (usuario\_id);

alter table Estoque add constraint FK\_estoque\_usuario foreign key (usuario\_id)

references usuario (usuario\_id) on delete restrict on update restrict;

alter table Produtos add constraint FK\_produto\_usuario foreign key (usuario\_id)

references usuario (usuario\_id) on delete restrict on update restrict;

alter table Proposta add constraint FK\_usuario\_comprador foreign key ()

references usuario (usuario\_id) on delete restrict on update restrict;

alter table Proposta add constraint FK\_usuario\_vendedor foreign key (usuario\_id)

references usuario (usuario\_id) on delete restrict on update restrict;

```
alter table usuario_email add constraint FK_usuario_email_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

```
alter table usuario_endereco add constraint FK_endereco_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

```
alter table usuario_telefone add constraint FK_telefone_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;
```

#### 4.2.1.10.22.3 List of columns of the table key Key 1

<i>Name</i>	<i>Code</i>
usuario_id	usuario_id

#### 4.2.1.10.22.4 List of all dependencies of the table key Key 1

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
endereco_usuario	endereco_usuario	Reference
estoque_usuario	estoque_usuario	Reference
produto_usuario	produto_usuario	Reference
telefone_usuario	telefone_usuario	Reference
usuario_comprador	usuario_comprador	Reference
usuario_email_usuario	usuario_email_usuario	Reference
usuario_vendedor	usuario_vendedor	Reference

#### 4.2.1.10.22.5 List of extended attributes of the table key Key 1

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

#### 4.2.1.11 Table usuario\_email

##### 4.2.1.11.1 Card of table usuario\_email

<i>Name</i>	usuario_email
<i>Code</i>	usuario_email
<i>DBMS</i>	MySQL 5.0

##### 4.2.1.11.2 Check constraint name of the table usuario\_email

TK\_usuario\_email

##### 4.2.1.11.3 Server validation rule of the table usuario\_email

%RULES%

##### 4.2.1.11.4 Code preview of the table usuario\_email

```
drop table if exists usuario_email;
```

```
/*=====*/
/* Table: usuario_email */
/*=====*/
create table usuario_email
(
    email_id        int not null,
    usuario_id      int not null,
    email           varchar(150)
);
```

```
alter table usuario_email
add primary key (email_id);
```

```
alter table usuario_email add constraint FK_usuario_email_usuario foreign key (usuario_id)
```

references usuario (usuario\_id) on delete restrict on update restrict;

#### **4.2.1.11.5 List of diagrams containing the table usuario\_email**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

#### **4.2.1.11.6 List of outgoing references of the table usuario\_email**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
usuario_email_usuario	usuario_email_usuario	usuario_id

#### **4.2.1.11.7 List of all dependencies of the table usuario\_email**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
usuario_email_usuario	usuario_email_usuario	Reference

#### **4.2.1.11.8 List of extended attributes of the table usuario\_email**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

#### **4.2.1.11.9 List of columns of the table usuario\_email**

<i>Name</i>	<i>Code</i>
email_id	email_id
usuario_id	usuario_id
email	email

#### **4.2.1.11.10 Column email\_id of the table usuario\_email**

##### **4.2.1.11.10.1 Card of the column email\_id of the table usuario\_email**

<i>Name</i>	email_id
<i>Code</i>	email_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

##### **4.2.1.11.10.2 Check constraint name of the column email\_id of the table usuario\_email**

CK\_email\_id

##### **4.2.1.11.10.3 Check of the column email\_id of the table usuario\_email**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.11.10.4 Server validation rule of the column email\_id of the table usuario\_email**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.11.10.5 List of all dependencies of the table column email\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.11.11 Column usuario\_id of the table usuario\_email**

##### **4.2.1.11.11.1 Card of the column usuario\_id of the table usuario\_email**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

##### **4.2.1.11.11.2 Check constraint name of the column usuario\_id of the table usuario\_email**

CK\_usuario\_id

##### **4.2.1.11.11.3 Check of the column usuario\_id of the table usuario\_email**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.11.11.4 Server validation rule of the column usuario\_id of the table usuario\_email**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.11.11.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

##### **4.2.1.11.11.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.11.12 Column email of the table usuario\_email**

##### **4.2.1.11.12.1 Card of the column email of the table usuario\_email**

<i>Name</i>	email
<i>Code</i>	email
<i>Data Type</i>	varchar(150)
<i>Mandatory</i>	No

##### **4.2.1.11.12.2 Check constraint name of the column email of the table usuario\_email**

CK\_email

**4.2.1.11.12.3 Check of the column email of the table usuario\_email**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.11.12.4 Server validation rule of the column email of the table usuario\_email**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.11.12.5 List of extended attributes of the table column email**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.11.13 List of keys of the table usuario\_email**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.11.14 Key Key\_1 of the table usuario\_email****4.2.1.11.14.1 Card of the key Key\_1 of the table usuario\_email**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	usuario_email

**4.2.1.11.14.2 Code preview of the key Key\_1 of the table usuario\_email**

```
alter table usuario_email
  add primary key (email_id);
```

**4.2.1.11.14.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
email_id	email_id

**4.2.1.11.14.4 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

**4.2.1.12 Table usuario\_endereco****4.2.1.12.1 Card of table usuario\_endereco**

<i>Name</i>	usuario_endereco
<i>Code</i>	usuario_endereco
<i>DBMS</i>	MySQL 5.0

**4.2.1.12.2 Check constraint name of the table usuario\_endereco**

TK\_usuario\_endereco

**4.2.1.12.3 Server validation rule of the table usuario\_endereco**

%RULES%

**4.2.1.12.4 Code preview of the table usuario\_endereco**

drop table if exists usuario\_endereco;

```

/*=====*/
/* Table: usuario_endereco                */
/*=====*/

```

```

create table usuario_endereco
(
    endereco_id      int not null,
    usuario_id       int not null,
    logradouro       varchar(150),
    numero           varchar(10),
    complemento      varchar(50),
    bairro           varchar(50),
    cidade_id        varchar(7) not null,
    uf_id            char not null,
    cep              varchar(8),
    correspondencia  bool,
    producao         bool
);

```

```

alter table usuario_endereco
    add primary key (endereco_id);

```

```

alter table usuario_endereco add constraint FK_cidade_endereco foreign key (cidade_id)
    references cidade (cidade_id) on delete restrict on update restrict;

```

```

alter table usuario_endereco add constraint FK_endereco_usuario foreign key (usuario_id)
    references usuario (usuario_id) on delete restrict on update restrict;

```

```

alter table usuario_endereco add constraint FK_uf_endereco foreign key (uf_id)
    references Unidade_federacao (uf_id) on delete restrict on update restrict;

```

**4.2.1.12.5 List of diagrams containing the table usuario\_endereco**

Name	Code
DER	PHYSICALDIAGRAM_1

**4.2.1.12.6 List of outgoing references of the table usuario\_endereco**

Name	Code	Foreign Key Columns
cidade_endereco	cidade_endereco	cidade_id
endereco_usuario	endereco_usuario	usuario_id
uf_endereco	uf_endereco	uf_id

**4.2.1.12.7 List of all dependencies of the table usuario\_endereco**

Name	Code	Class Name
cidade_endereco	cidade_endereco	Reference
endereco_usuario	endereco_usuario	Reference
uf_endereco	uf_endereco	Reference

**4.2.1.12.8 List of extended attributes of the table usuario\_endereco**

Name	Data Type	Value	Target Name
------	-----------	-------	-------------

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

**4.2.1.12.9 List of columns of the table usuario\_endereco**

<i>Name</i>	<i>Code</i>
endereco_id	endereco_id
usuario_id	usuario_id
logradouro	logradouro
numero	numero
complemento	complemento
bairro	bairro
cidade_id	cidade_id
uf_id	uf_id
cep	cep
correspondencia	correspondencia
producao	producao

**4.2.1.12.10 Column endereco\_id of the table usuario\_endereco****4.2.1.12.10.1 Card of the column endereco\_id of the table usuario\_endereco**

<i>Name</i>	endereco_id
<i>Code</i>	endereco_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.12.10.2 Check constraint name of the column endereco\_id of the table usuario\_endereco**

CK\_endereco\_id

**4.2.1.12.10.3 Check of the column endereco\_id of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.10.4 Server validation rule of the column endereco\_id of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.10.5 List of all dependencies of the table column endereco\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key

**4.2.1.12.10.6 List of extended attributes of the table column endereco\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.11 Column usuario\_id of the table usuario\_endereco****4.2.1.12.11.1 Card of the column usuario\_id of the table usuario\_endereco**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.12.11.2 Check constraint name of the column usuario\_id of the table usuario\_endereco**

CK\_usuario\_id

**4.2.1.12.11.3 Check of the column usuario\_id of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.11.4 Server validation rule of the column usuario\_id of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.11.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

**4.2.1.12.11.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.12 Column logradouro of the table usuario\_endereco****4.2.1.12.12.1 Card of the column logradouro of the table usuario\_endereco**

<i>Name</i>	logradouro
<i>Code</i>	logradouro
<i>Data Type</i>	varchar(150)
<i>Mandatory</i>	No

**4.2.1.12.12.2 Check constraint name of the column logradouro of the table usuario\_endereco**

CK\_logradouro

**4.2.1.12.12.3 Check of the column logradouro of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	



<i>Cannot Modify</i>	No
<i>List Of Values</i>	

#### **4.2.1.12.12.4 Server validation rule of the column logradouro of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.12.12.5 List of extended attributes of the table column logradouro**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.12.13 Column numero of the table usuario\_endereco**

##### **4.2.1.12.13.1 Card of the column numero of the table usuario\_endereco**

<i>Name</i>	numero
<i>Code</i>	numero
<i>Data Type</i>	varchar(10)
<i>Mandatory</i>	No

##### **4.2.1.12.13.2 Check constraint name of the column numero of the table usuario\_endereco**

CK\_numero

##### **4.2.1.12.13.3 Check of the column numero of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.12.13.4 Server validation rule of the column numero of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.12.13.5 List of extended attributes of the table column numero**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.12.14 Column complemento of the table usuario\_endereco**

##### **4.2.1.12.14.1 Card of the column complemento of the table usuario\_endereco**

<i>Name</i>	complemento
<i>Code</i>	complemento
<i>Data Type</i>	varchar(50)
<i>Mandatory</i>	No

**4.2.1.12.14.2 Check constraint name of the column complemento of the table usuario\_endereco**

CK\_complemento

**4.2.1.12.14.3 Check of the column complemento of the table usuario\_endereco**

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

**4.2.1.12.14.4 Server validation rule of the column complemento of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.14.5 List of extended attributes of the table column complemento**

Name	Data Type	Value	Target Name
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.15 Column bairro of the table usuario\_endereco****4.2.1.12.15.1 Card of the column bairro of the table usuario\_endereco**

Name	bairro
Code	bairro
Data Type	varchar(50)
Mandatory	No

**4.2.1.12.15.2 Check constraint name of the column bairro of the table usuario\_endereco**

CK\_bairro

**4.2.1.12.15.3 Check of the column bairro of the table usuario\_endereco**

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

**4.2.1.12.15.4 Server validation rule of the column bairro of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.15.5 List of extended attributes of the table column bairro**

Name	Data Type	Value	Target Name
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.12.16 Column cidade\_id of the table usuario\_endereco**

##### **4.2.1.12.16.1 Card of the column cidade\_id of the table usuario\_endereco**

<i>Name</i>	cidade_id
<i>Code</i>	cidade_id
<i>Data Type</i>	varchar(7)
<i>Mandatory</i>	Yes

##### **4.2.1.12.16.2 Check constraint name of the column cidade\_id of the table usuario\_endereco**

CK\_cidade\_id

##### **4.2.1.12.16.3 Check of the column cidade\_id of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

##### **4.2.1.12.16.4 Server validation rule of the column cidade\_id of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

##### **4.2.1.12.16.5 List of all dependencies of the table column cidade\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

##### **4.2.1.12.16.6 List of extended attributes of the table column cidade\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.12.17 Column uf\_id of the table usuario\_endereco**

##### **4.2.1.12.17.1 Card of the column uf\_id of the table usuario\_endereco**

<i>Name</i>	uf_id
<i>Code</i>	uf_id
<i>Data Type</i>	char
<i>Mandatory</i>	Yes

##### **4.2.1.12.17.2 Check constraint name of the column uf\_id of the table usuario\_endereco**

CK\_uf\_id

##### **4.2.1.12.17.3 Check of the column uf\_id of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	

<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.17.4 Server validation rule of the column uf\_id of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.17.5 List of all dependencies of the table column uf\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

**4.2.1.12.17.6 List of extended attributes of the table column uf\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.18 Column cep of the table usuario\_endereco****4.2.1.12.18.1 Card of the column cep of the table usuario\_endereco**

<i>Name</i>	cep
<i>Code</i>	cep
<i>Data Type</i>	varchar(8)
<i>Mandatory</i>	No

**4.2.1.12.18.2 Check constraint name of the column cep of the table usuario\_endereco**

CK\_cep

**4.2.1.12.18.3 Check of the column cep of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.18.4 Server validation rule of the column cep of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.18.5 List of extended attributes of the table column cep**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.19 Column correspondencia of the table usuario\_endereco****4.2.1.12.19.1 Card of the column correspondencia of the table usuario\_endereco**

<i>Name</i>	correspondencia
<i>Code</i>	correspondencia
<i>Data Type</i>	bool
<i>Mandatory</i>	No

**4.2.1.12.19.2 Check constraint name of the column correspondencia of the table usuario\_endereco**

CK\_correspondencia

**4.2.1.12.19.3 Check of the column correspondencia of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.19.4 Server validation rule of the column correspondencia of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.12.19.5 List of extended attributes of the table column correspondencia**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.12.20 Column producao of the table usuario\_endereco****4.2.1.12.20.1 Card of the column producao of the table usuario\_endereco**

<i>Name</i>	producao
<i>Code</i>	producao
<i>Data Type</i>	bool
<i>Mandatory</i>	No

**4.2.1.12.20.2 Check constraint name of the column producao of the table usuario\_endereco**

CK\_producao

**4.2.1.12.20.3 Check of the column producao of the table usuario\_endereco**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.12.20.4 Server validation rule of the column producao of the table usuario\_endereco**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

#### **4.2.1.12.20.5 List of extended attributes of the table column producao**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	Charsets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

#### **4.2.1.12.21 List of keys of the table usuario\_endereco**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

#### **4.2.1.12.22 Key Key\_1 of the table usuario\_endereco**

##### **4.2.1.12.22.1 Card of the key Key\_1 of the table usuario\_endereco**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	usuario_endereco

##### **4.2.1.12.22.2 Code preview of the key Key\_1 of the table usuario\_endereco**

```
alter table usuario_endereco
  add primary key (endereco_id);
```

##### **4.2.1.12.22.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
endereco_id	endereco_id

##### **4.2.1.12.22.4 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

#### **4.2.1.13 Table usuario\_telefone**

##### **4.2.1.13.1 Card of table usuario\_telefone**

<i>Name</i>	usuario_telefone
<i>Code</i>	usuario_telefone
<i>DBMS</i>	MySQL 5.0

##### **4.2.1.13.2 Check constraint name of the table usuario\_telefone**

TK\_usuario\_telefone

##### **4.2.1.13.3 Server validation rule of the table usuario\_telefone**

%RULES%

##### **4.2.1.13.4 Code preview of the table usuario\_telefone**

```
drop table if exists usuario_telefone;
```

```
/*=====*/
/* Table: usuario_telefone */
/*=====*/
create table usuario_telefone
(
  fone_id          int not null,
```

```

usuario_id      int not null,
telefono        varchar(15),
whatsapp        bool
);

```

```

alter table usuario_telefono
add primary key (fone_id);

```

```

alter table usuario_telefono add constraint FK_telefono_usuario foreign key (usuario_id)
references usuario (usuario_id) on delete restrict on update restrict;

```

#### **4.2.1.13.5 List of diagrams containing the table usuario\_telefono**

<i>Name</i>	<i>Code</i>
DER	PHYSICALDIAGRAM_1

#### **4.2.1.13.6 List of outgoing references of the table usuario\_telefono**

<i>Name</i>	<i>Code</i>	<i>Foreign Key Columns</i>
telefono_usuario	telefono_usuario	usuario_id

#### **4.2.1.13.7 List of all dependencies of the table usuario\_telefono**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
telefono_usuario	telefono_usuario	Reference

#### **4.2.1.13.8 List of extended attributes of the table usuario\_telefono**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
Temporary	(Boolean)	false	MySQL 5.0

#### **4.2.1.13.9 List of columns of the table usuario\_telefono**

<i>Name</i>	<i>Code</i>
fone_id	fone_id
usuario_id	usuario_id
telefono	telefono
whatsapp	whatsapp

#### **4.2.1.13.10 Column fone\_id of the table usuario\_telefono**

##### **4.2.1.13.10.1 Card of the column fone\_id of the table usuario\_telefono**

<i>Name</i>	fone_id
<i>Code</i>	fone_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

##### **4.2.1.13.10.2 Check constraint name of the column fone\_id of the table usuario\_telefono**

CK\_fone\_id

##### **4.2.1.13.10.3 Check of the column fone\_id of the table usuario\_telefono**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.13.10.4 Server validation rule of the column fone\_id of the table usuario\_telefone**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.13.10.5 List of all dependencies of the table column fone\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
Key_1	Key_1	Key

**4.2.1.13.10.6 List of extended attributes of the table column fone\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.13.11 Column usuario\_id of the table usuario\_telefone****4.2.1.13.11.1 Card of the column usuario\_id of the table usuario\_telefone**

<i>Name</i>	usuario_id
<i>Code</i>	usuario_id
<i>Data Type</i>	int
<i>Mandatory</i>	Yes

**4.2.1.13.11.2 Check constraint name of the column usuario\_id of the table usuario\_telefone**

CK\_usuario\_id

**4.2.1.13.11.3 Check of the column usuario\_id of the table usuario\_telefone**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.13.11.4 Server validation rule of the column usuario\_id of the table usuario\_telefone**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.13.11.5 List of all dependencies of the table column usuario\_id**

<i>Name</i>	<i>Code</i>	<i>Class Name</i>
?	?	Reference Join

**4.2.1.13.11.6 List of extended attributes of the table column usuario\_id**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.13.12 Column telefone of the table usuario\_telefone**



**4.2.1.13.12.1 Card of the column telephone of the table usuario\_telefone**

<i>Name</i>	telephone
<i>Code</i>	telephone
<i>Data Type</i>	varchar(15)
<i>Mandatory</i>	No

**4.2.1.13.12.2 Check constraint name of the column telephone of the table usuario\_telefone**

CK\_telefone

**4.2.1.13.12.3 Check of the column telephone of the table usuario\_telefone**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.13.12.4 Server validation rule of the column telephone of the table usuario\_telefone**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.13.12.5 List of extended attributes of the table column telephone**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.13.13 Column whatsapp of the table usuario\_telefone****4.2.1.13.13.1 Card of the column whatsapp of the table usuario\_telefone**

<i>Name</i>	whatsapp
<i>Code</i>	whatsapp
<i>Data Type</i>	bool
<i>Mandatory</i>	No

**4.2.1.13.13.2 Check constraint name of the column whatsapp of the table usuario\_telefone**

CK\_whatsapp

**4.2.1.13.13.3 Check of the column whatsapp of the table usuario\_telefone**

<i>Minimum Value</i>	
<i>Maximum Value</i>	
<i>Default Value</i>	
<i>Unit</i>	
<i>Format</i>	
<i>Cannot Modify</i>	No
<i>List Of Values</i>	

**4.2.1.13.13.4 Server validation rule of the column whatsapp of the table usuario\_telefone**

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

**4.2.1.13.13.5 List of extended attributes of the table column whatsapp**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
CharSet	CharSets		MySQL 5.0
Collate	(String)		MySQL 5.0
National	(Boolean)	false	MySQL 5.0
Unsigned	(Boolean)	false	MySQL 5.0
ZeroFill	(Boolean)	false	MySQL 5.0

**4.2.1.13.14 List of keys of the table usuario\_telefone**

<i>Name</i>	<i>Code</i>	<i>Primary</i>
Key_1	Key_1	X

**4.2.1.13.15 Key Key\_1 of the table usuario\_telefone****4.2.1.13.15.1 Card of the key Key\_1 of the table usuario\_telefone**

<i>Name</i>	Key_1
<i>Code</i>	Key_1
<i>Table</i>	usuario_telefone

**4.2.1.13.15.2 Code preview of the key Key\_1 of the table usuario\_telefone**

```
alter table usuario_telefone
  add primary key (fone_id);
```

**4.2.1.13.15.3 List of columns of the table key Key\_1**

<i>Name</i>	<i>Code</i>
fone_id	fone_id

**4.2.1.13.15.4 List of extended attributes of the table key Key\_1**

<i>Name</i>	<i>Data Type</i>	<i>Value</i>	<i>Target Name</i>
ExtUnique	(Boolean)	false	MySQL 5.0

