



Estácio

Universidade Estácio de Sá

Curso Desenvolvimento Full Stack - Turma 9001

**Disciplina: RPG0015 - Nível 2: Vamos Manter as
Informações?**

Semestre Letivo: 2024.4

Repositorio Git:

<https://github.com/SashaCardoso/Missao-N2-M3-Estacio>

【SASHA CARDOSO】

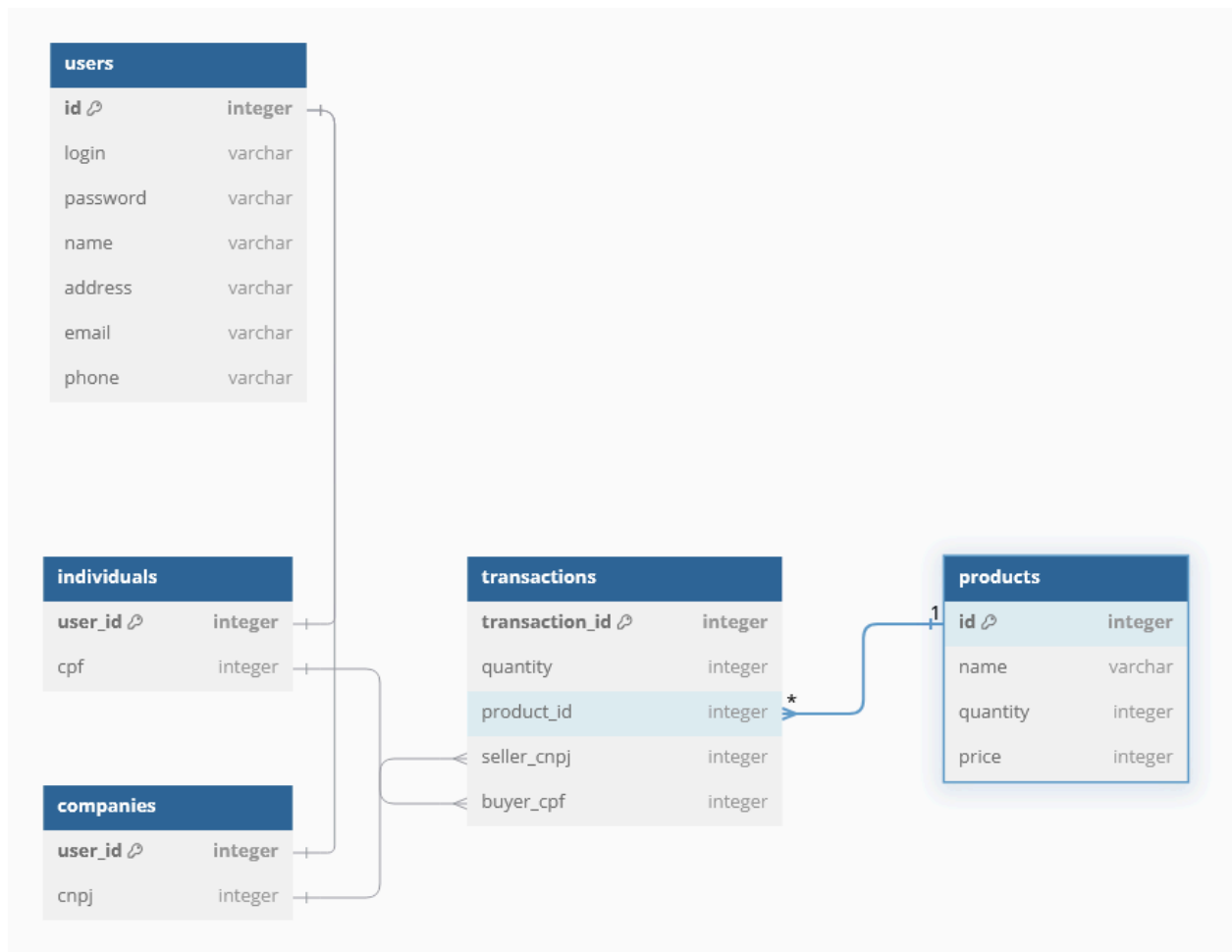
Missão Prática | Nível 2 | Mundo 3

Objetivo: Modelagem e implementação de um banco de dados simples.

1º Procedimento

Todos os códigos estão disponíveis no repositório Github linkado acima.

Resultados da execução:



Language: English

MySQL » db » Database: shop

Adminer 4.8.1

DB: shop

SQL command Import
Export Create table

select companies
select individuals
select products
select transactions
select users

Database: shop

[Alter database](#) [Database schema](#) [Privileges](#)

Tables and views

Search data in tables (5)

<input type="checkbox"/>	Table	Engine?	Collation?	Data Length?	Index Length?	Data Free?	Auto Increment?	Rows?	Comment?
<input type="checkbox"/>	companies	InnoDB	utf8mb4_0900_ai_ci	16,384	16,384	0		~ 4	
<input type="checkbox"/>	individuals	InnoDB	utf8mb4_0900_ai_ci	16,384	32,768	0		~ 4	
<input type="checkbox"/>	products	InnoDB	utf8mb4_0900_ai_ci	16,384	0	0	4	0	
<input type="checkbox"/>	transactions	InnoDB	utf8mb4_0900_ai_ci	16,384	49,152	0		0	
<input type="checkbox"/>	users	InnoDB	utf8mb4_0900_ai_ci	16,384	0	0	4	~ 4	
	5 in total	InnoDB	utf8mb4_0900_ai_ci	81,920	98,304	0			

Selected (0)

Move to other database: shop ☐ overwrite

[Create table](#) [Create view](#)

Routines

[Create procedure](#) [Create function](#)

Events

[Create event](#)

Language: English

MySQL » db » shop » Select: companies

Adminer 4.8.1

DB: shop

SQL command Import
Export Create table

select companies
select individuals
select products
select transactions
select users

[Select data](#) [Show structure](#) [Alter table](#) [New item](#)

50

SELECT * FROM `companies` LIMIT 50 (0.005 s) [Edit](#)

<input type="checkbox"/> Modify	user_id	cnpj
<input type="checkbox"/> edit	1	12345678000199
<input type="checkbox"/> edit	2	23456789000188
<input type="checkbox"/> edit	3	34567890000177
<input type="checkbox"/> edit	4	45678901000166

☐ 4 rows

[Import](#)

Language: English ▼

MySQL » db » shop » Select: individuals

Adminer 4.8.1

DB: shop ▼

[SQL command](#) [Import](#)
[Export](#) [Create table](#)

[select companies](#)
[select individuals](#)
[select products](#)
[select transactions](#)
[select users](#)

Select: individuals

[Select data](#) [Show structure](#) [Alter table](#) [New item](#)

<input type="text" value="Select"/>	<input type="text" value="Search"/>	<input type="text" value="Sort"/>	Limit <input type="text" value="50"/>	Action <input type="button" value="Select"/>
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SELECT * FROM `individuals` LIMIT 50 (0.002 s) [Edit](#)

<input type="checkbox"/> Modify	user_id	cpf
<input type="checkbox"/> edit	1	12345678901
<input type="checkbox"/> edit	2	23456789012
<input type="checkbox"/> edit	3	34567890123
<input type="checkbox"/> edit	4	45678901234

Whole result <input type="checkbox"/> 4 rows	Modify <input type="button" value="Save"/>	Selected (0) <input type="button" value="Edit"/> <input type="button" value="Clone"/> <input type="button" value="Delete"/>	Export (4)
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[Import](#)

Language: English ▼

MySQL » db » shop » Select: products

Adminer 4.8.1

DB: shop ▼

[SQL command](#) [Import](#)
[Export](#) [Create table](#)

[select companies](#)
[select individuals](#)
[select products](#)
[select transactions](#)
[select users](#)

Select: products

[Select data](#) [Show structure](#) [Alter table](#) [New item](#)

<input type="text" value="Select"/>	<input type="text" value="Search"/>	<input type="text" value="Sort"/>	Limit <input type="text" value="50"/>	Text length <input type="text" value="100"/>	Action <input type="button" value="Select"/>
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SELECT * FROM `products` LIMIT 50 (0.003 s) [Edit](#)

<input type="checkbox"/> Modify	id	name	quantity	price
<input type="checkbox"/> edit	1	Product A	100	10.99
<input type="checkbox"/> edit	2	Product B	200	20.5
<input type="checkbox"/> edit	3	Product C	150	15.75
<input type="checkbox"/> edit	4	Product D	300	30

Whole result <input type="checkbox"/> 4 rows	Modify <input type="button" value="Save"/>	Selected (0) <input type="button" value="Edit"/> <input type="button" value="Clone"/> <input type="button" value="Delete"/>	Export (4)
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[Import](#)

Language: English ▼

MySQL » db » shop » Select: transactions

Adminer 4.8.1

DB: shop ▼

[SQL command](#) [Import](#)
[Export](#) [Create table](#)

[select companies](#)
[select individuals](#)
[select products](#)
[select transactions](#)
[select users](#)

Select: transactions

Select data [Show structure](#) [Alter table](#) [New item](#)

SELECT * FROM `transactions` LIMIT 50 (0.003 s) [Edit](#)

<input type="checkbox"/> Modify	transaction_id	quantity	product_id	seller_cnpj	buyer_cpf
<input type="checkbox"/> edit	1	2	1	12345678000199	12345678901
<input type="checkbox"/> edit	2	5	2	23456789000188	23456789012
<input type="checkbox"/> edit	3	1	3	34567890000177	34567890123
<input type="checkbox"/> edit	4	3	4	45678901000166	45678901234

Whole result ☐ 4 rows Selected (0)

[Import](#)

Language: English ▼

MySQL » db » shop » Select: users

Adminer 4.8.1

DB: shop ▼

[SQL command](#) [Import](#)
[Export](#) [Create table](#)

[select companies](#)
[select individuals](#)
[select products](#)
[select transactions](#)
[select users](#)

Select: users

Select data [Show structure](#) [Alter table](#) [New item](#)

SELECT * FROM `users` LIMIT 50 (0.003 s) [Edit](#)

<input type="checkbox"/> Modify	id	login	password	name	address	email	phone
<input type="checkbox"/> edit	1	johndoe	password123	John Doe	123 Main St, Cityville, Country	johndoe@email.com	123-456-7890
<input type="checkbox"/> edit	2	janedoe	mypassword	Jane Doe	456 Oak St, Townsville, Country	janedoe@email.com	234-567-8901
<input type="checkbox"/> edit	3	bobjohnson	securepassword	Bob Johnson	789 Pine St, Villagetown, Country	bobjohnson@email.com	345-678-9012
<input type="checkbox"/> edit	4	emilywhite	strongpassword	Emily White	101 Maple St, Hamlet, Country	emilywhite@email.com	456-789-0123

Whole result ☐ 4 rows Selected (0)

[Import](#)

Análise e Conclusão

1. **Como são implementadas as diferentes cardinalidades, basicamente 1X1, 1XN ou NxN, em um banco de dados relacional?**
 - São implementadas usando *foreign keys*.
2. **Que tipo de relacionamento deve ser utilizado para representar o uso de herança em bancos de dados relacionais?**
 - Relacionamento 1X1.
3. **Como o SQL Server Management Studio permite a melhoria da produtividade nas tarefas relacionadas ao gerenciamento do banco de dados?**
 - O SQL Server Management Studio providencia uma representação visual do conteúdo em um banco de dados, facilitando a manipulação de dados e a construção de modelos.

