

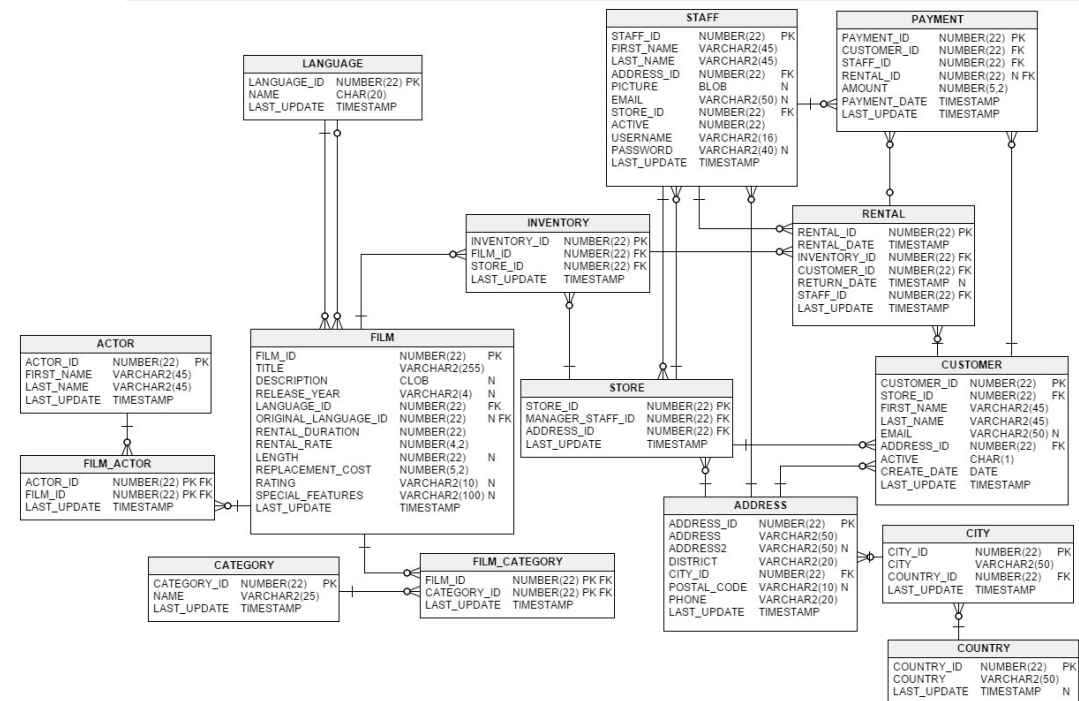
Modelagem de Dados

Marcotti

Trilha Python 2024 | Módulo 8 - Aula 1

Engenharia de Software

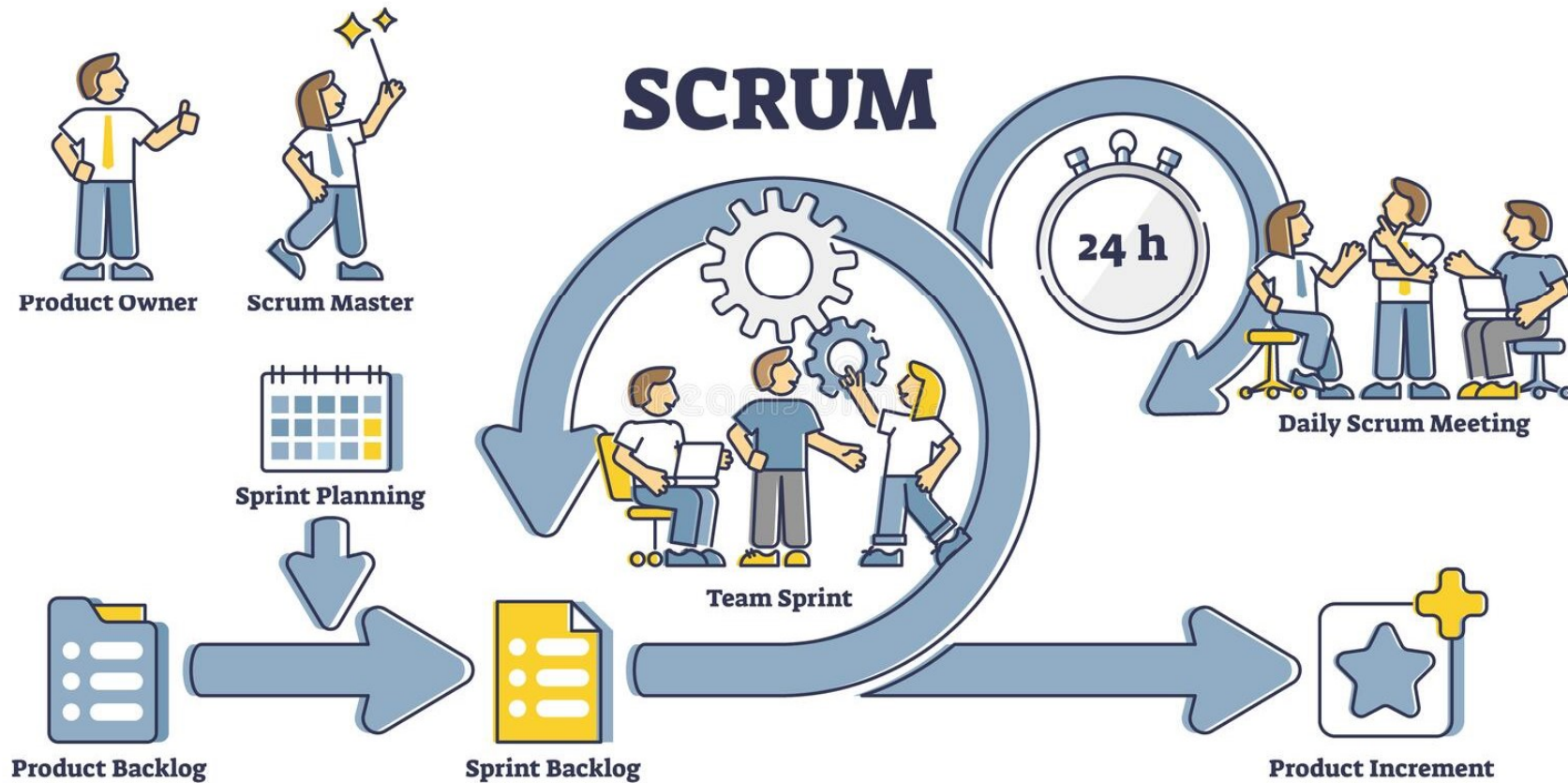
- 1968 – “A Crise do Software”
- Dijkstra
- 1972 – Análise Estruturada
- DFD – Módulos e Fluxo de Dados
- MER – Dados
- **BD Relacional**
- 1994 OO, Classes, UML



Engenharia de Software



- Camada de Dados



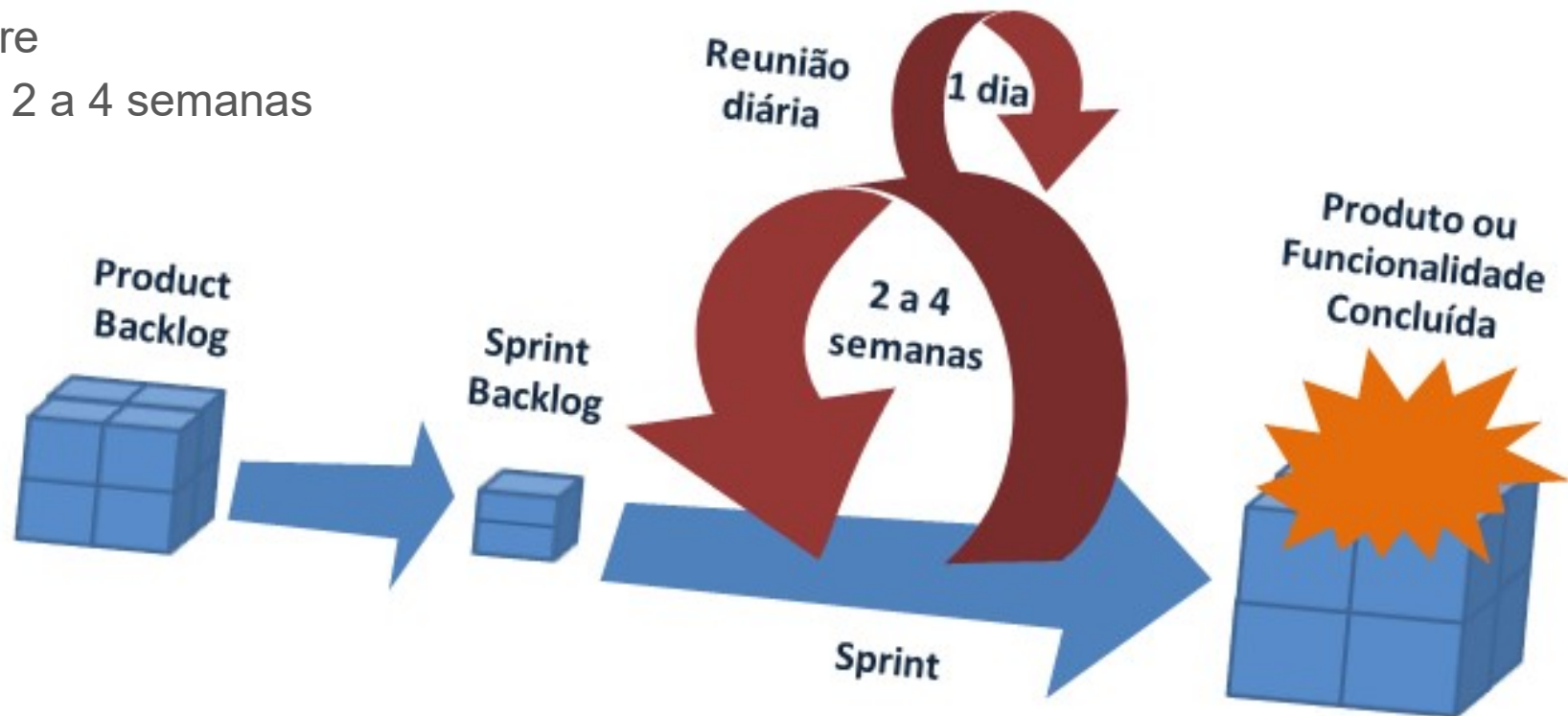
the
sified.

lications
changes in the

Agile



- Scrum Gerenciamento de projetos
- Eficiência e adaptabilidade no desenvolvimento de software
- Sprint: 2 a 4 semanas



OO e “Os 3 Amigos”



- Autores de Livros e Metodologias
- Mais tantos outros autores
- UML Unified Modeling Language
- 400 empresas de desenvolvimento de software
- OMG Object Management Group
- 1997 UML 0.9

ECIS 464

Object Oriented Analysis and Design

The Three Amigos



Grady Booch

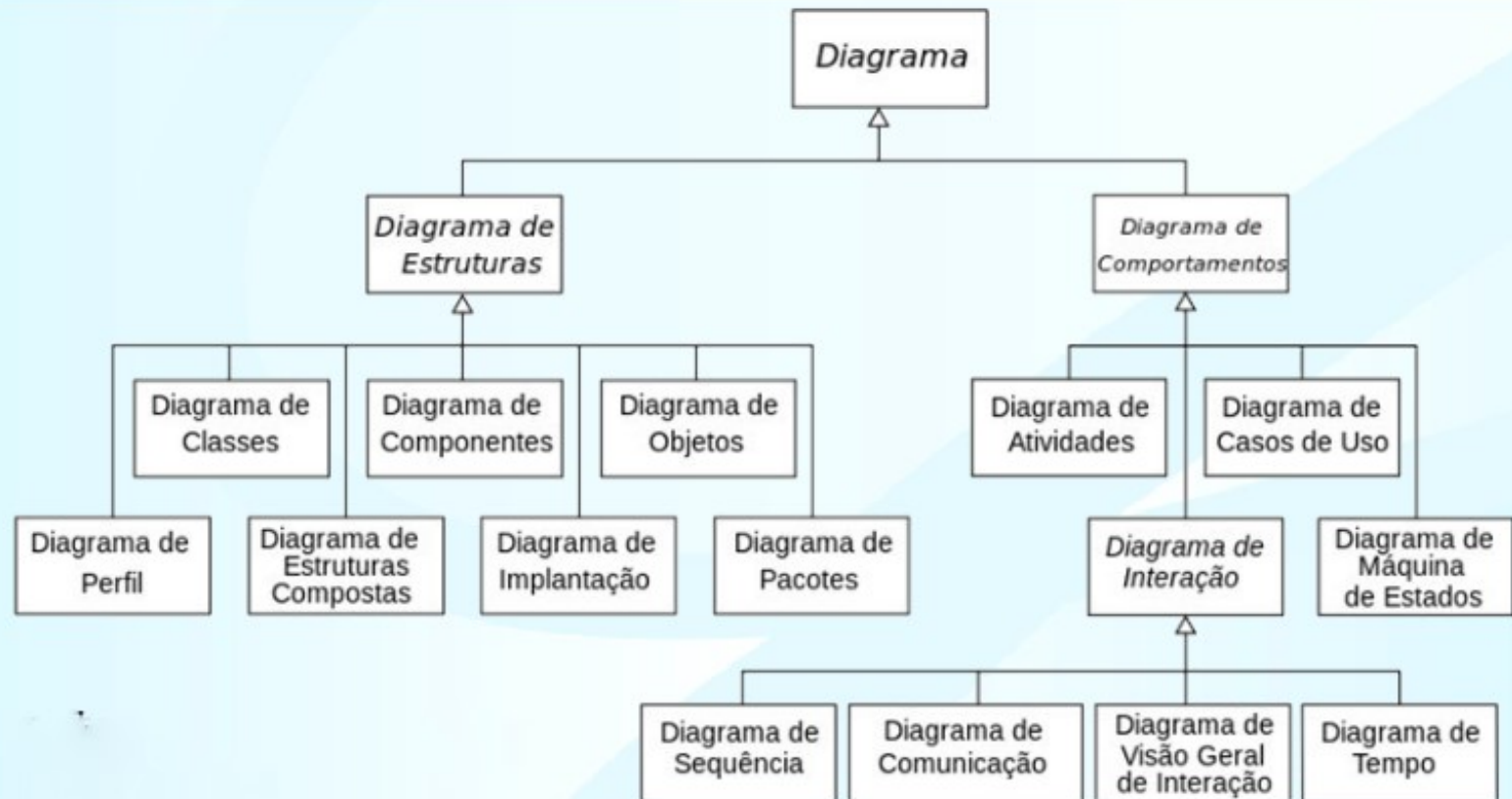


James Rumbaugh



Ivar Jacobson

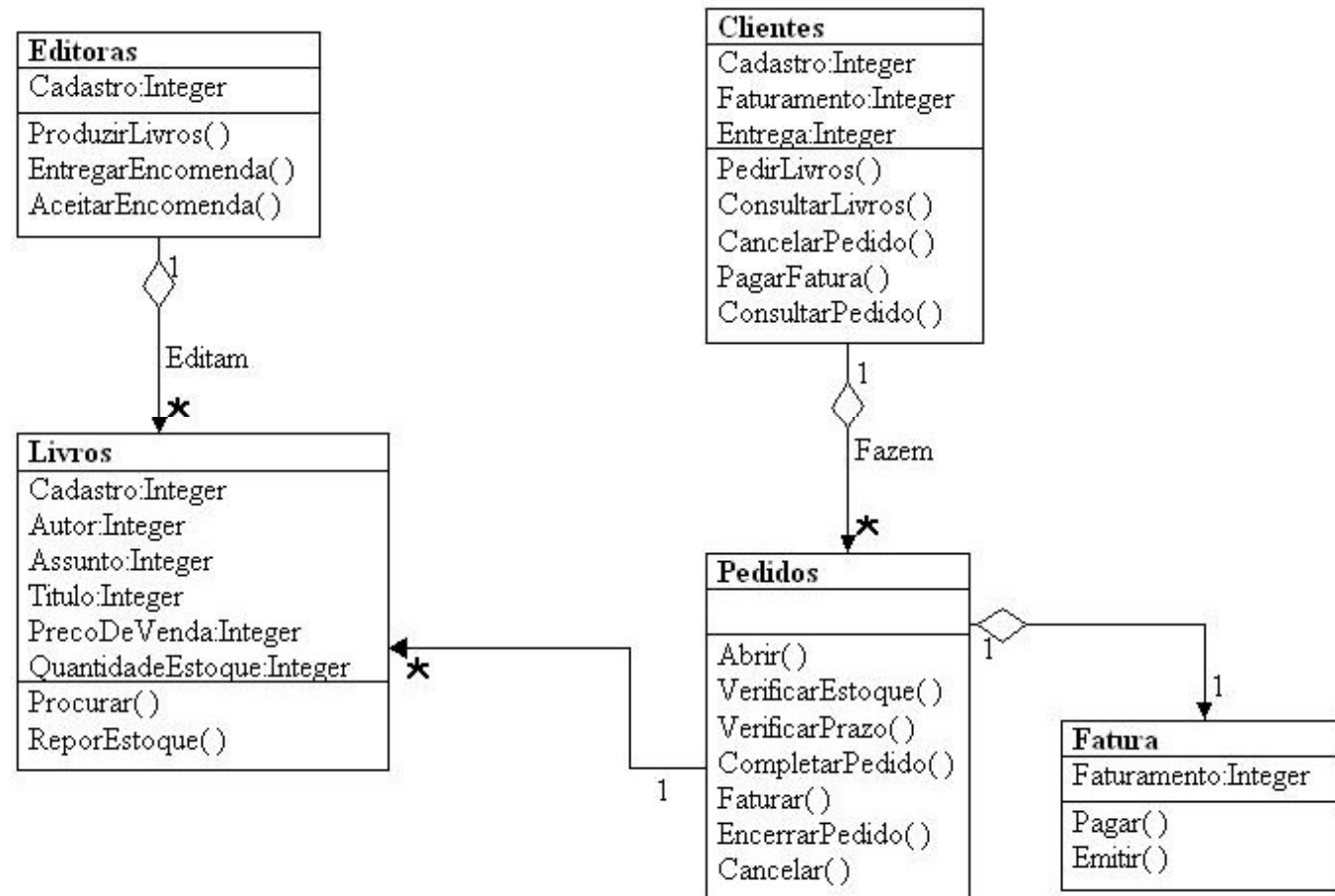
Diagramas da UML



Relacionamento entre Classes



- Associações
- Heranças
- Agregações
- Composição
- Todo-Parte

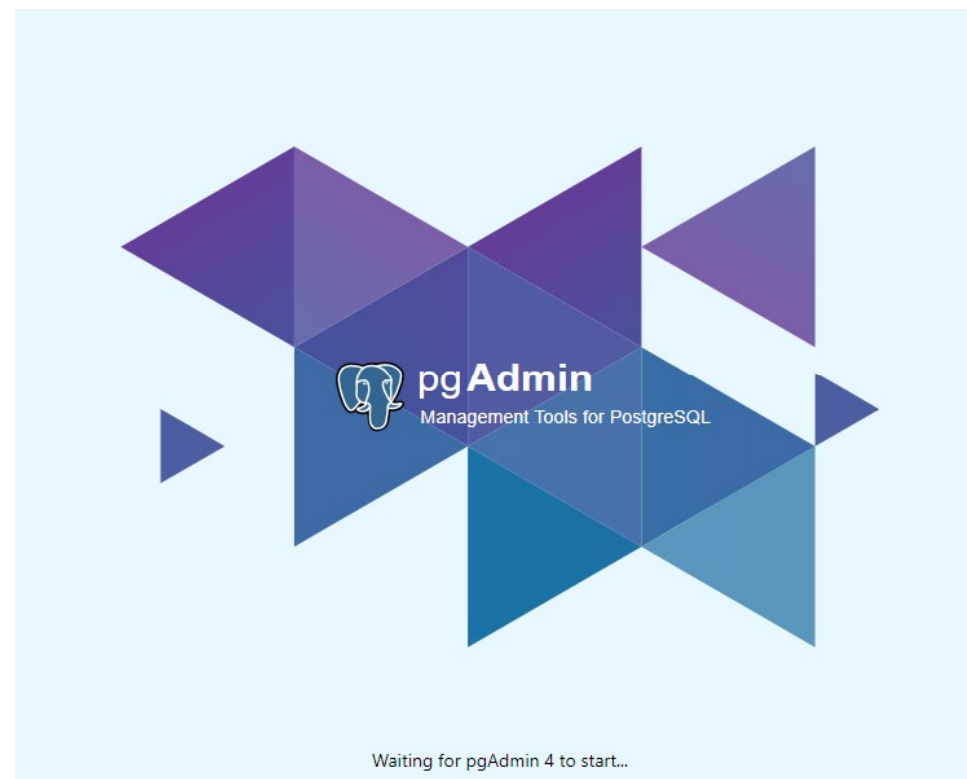


Base sólida para construção (design)

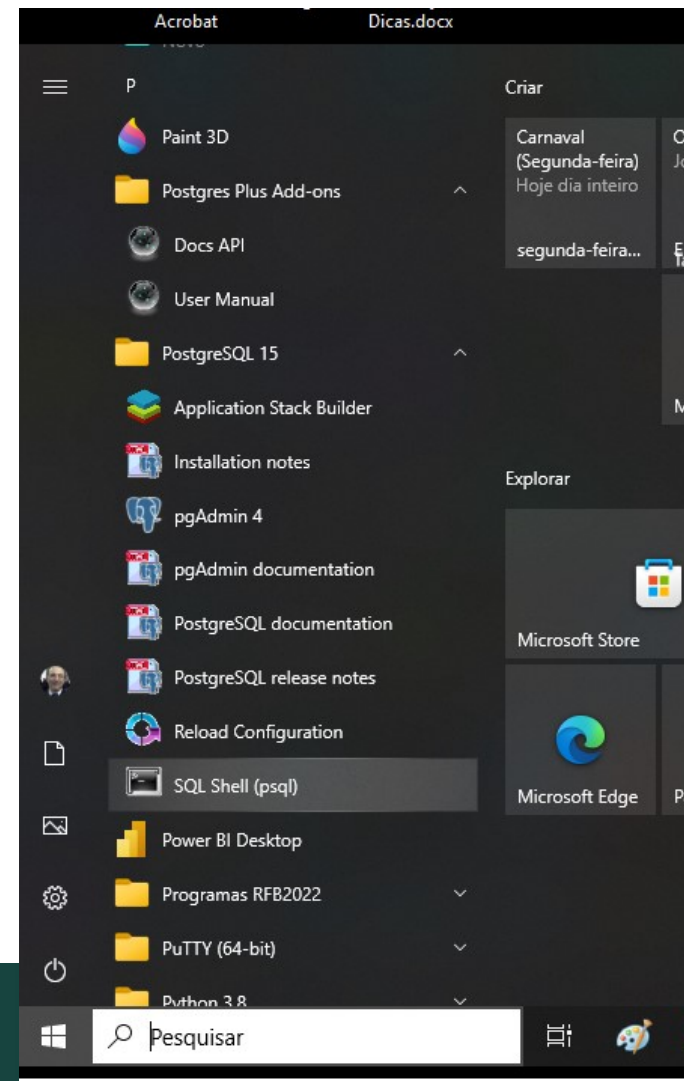




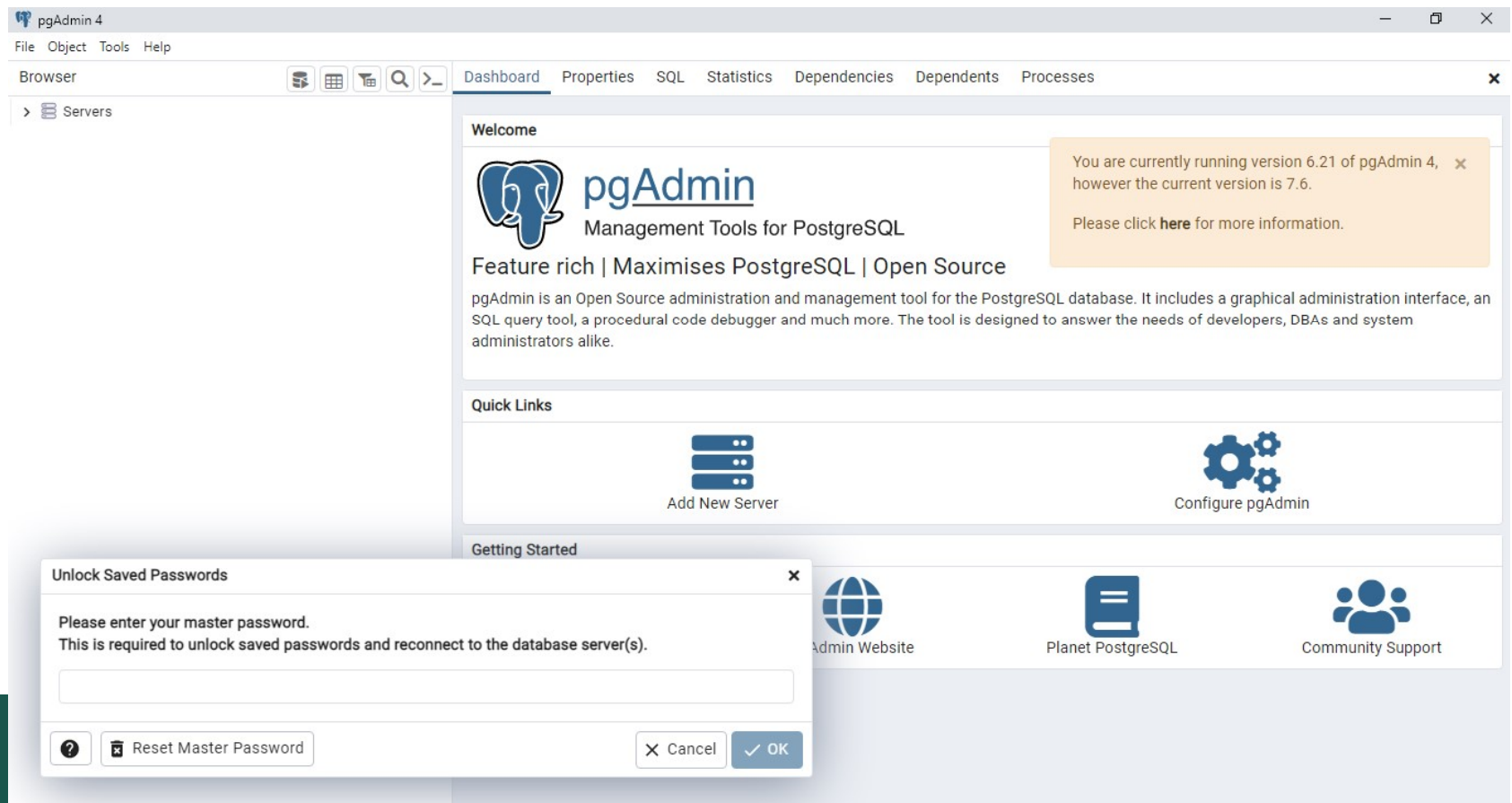
PostgreSQL v 16.2 instalação pgAdmin 4 (v 7.6)



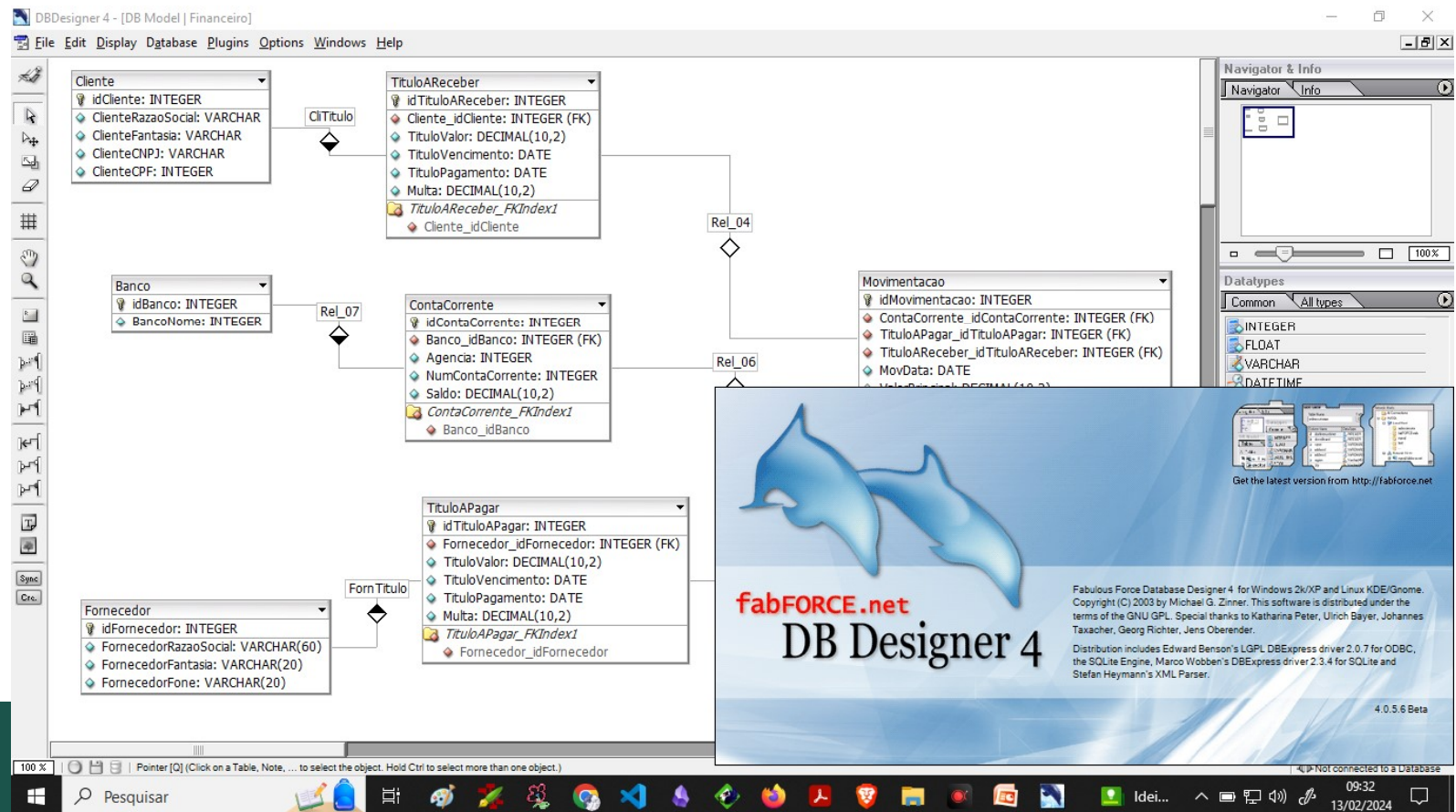
PostgreSQL v 4 instalação



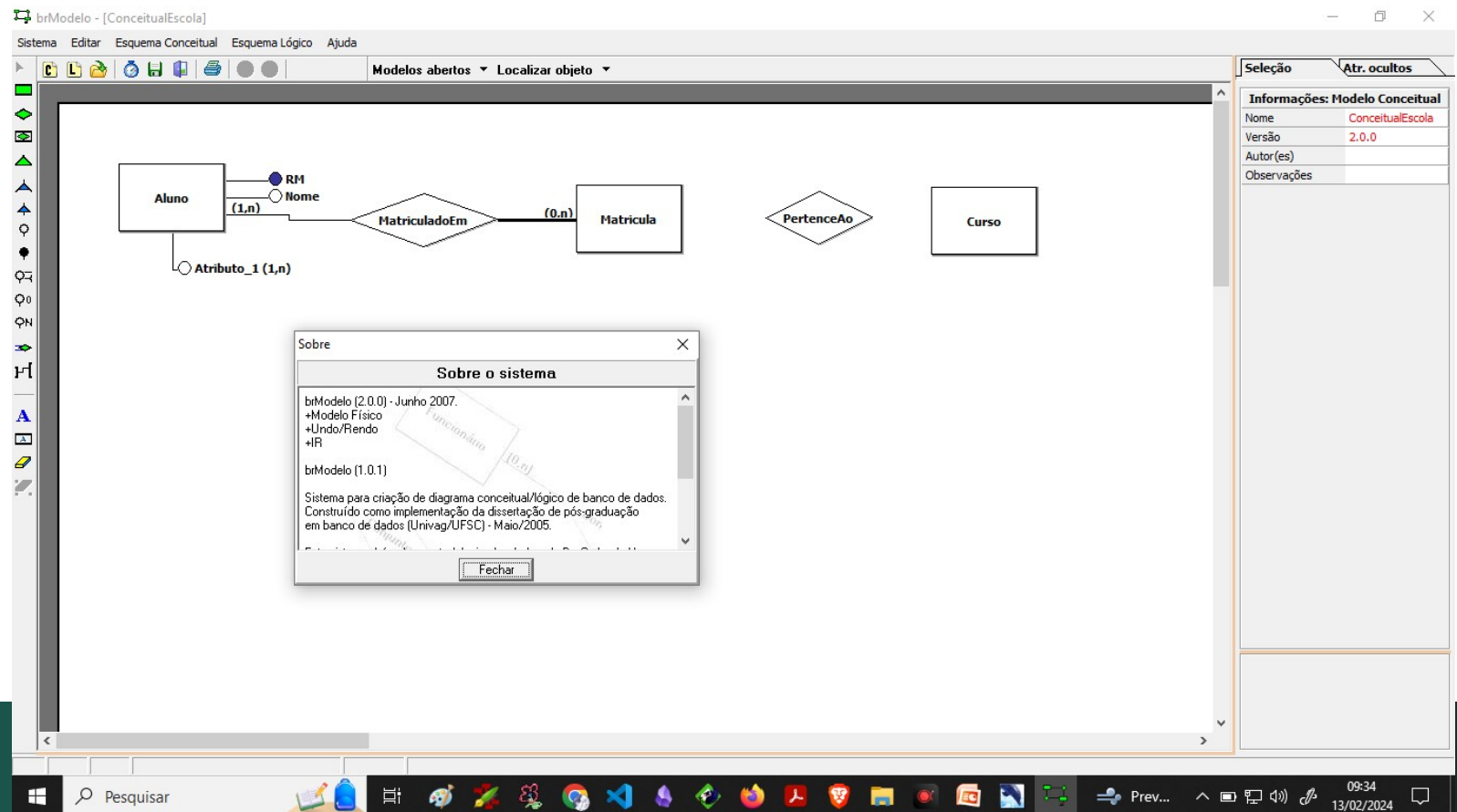
pgAdmin 4



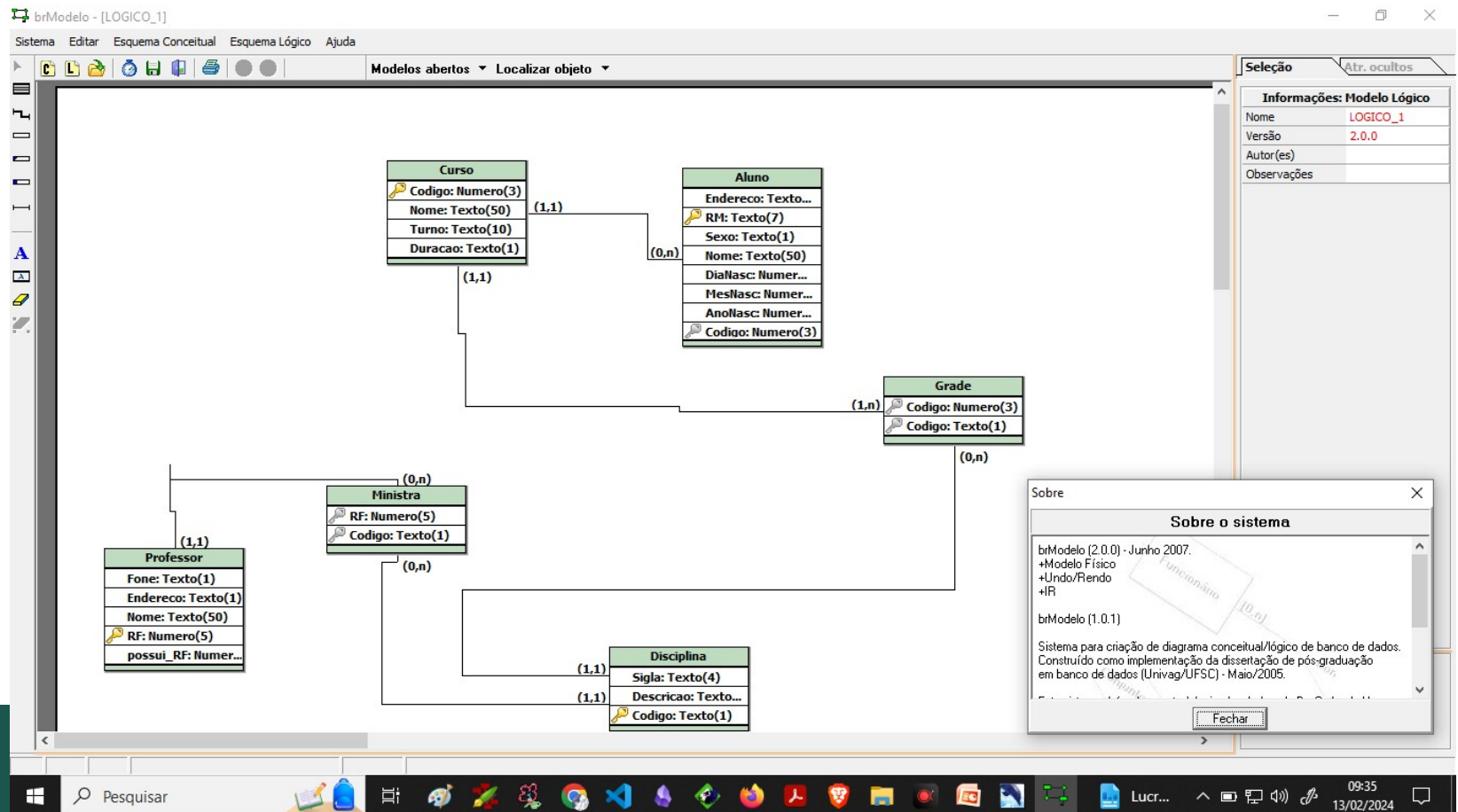
DBDesigner – modelagem física



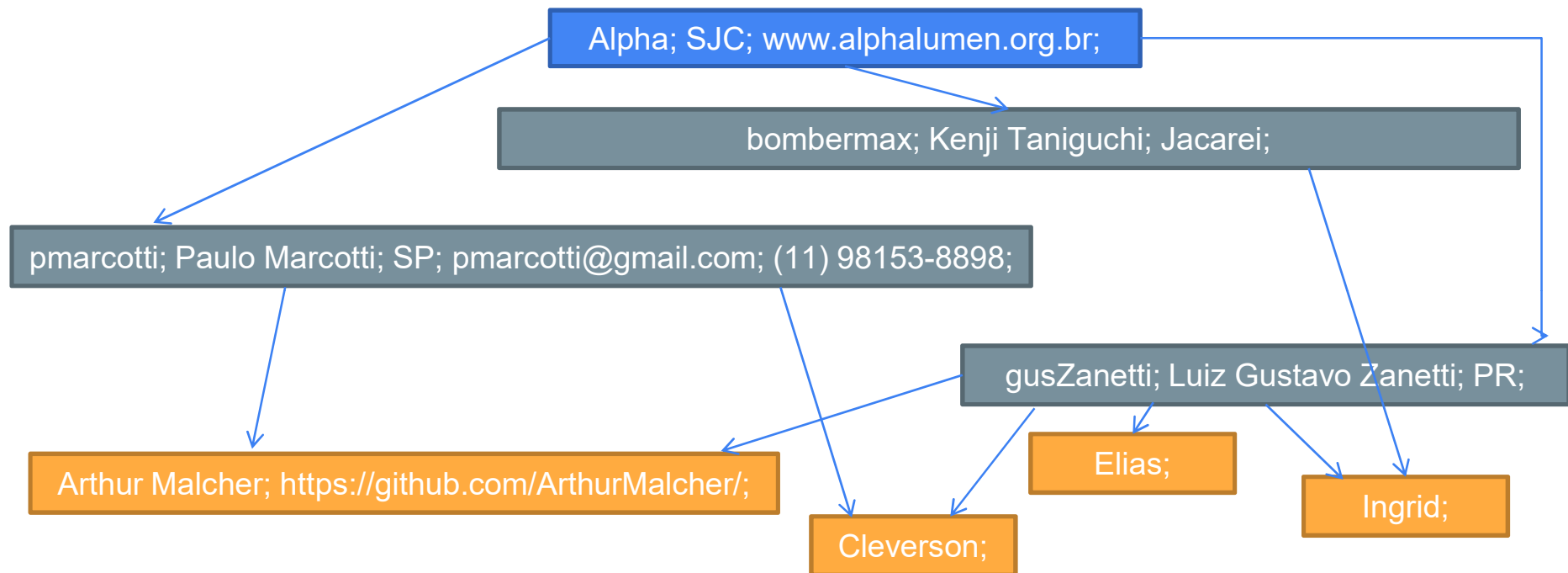
brModelo.exe – modelagem conceitual



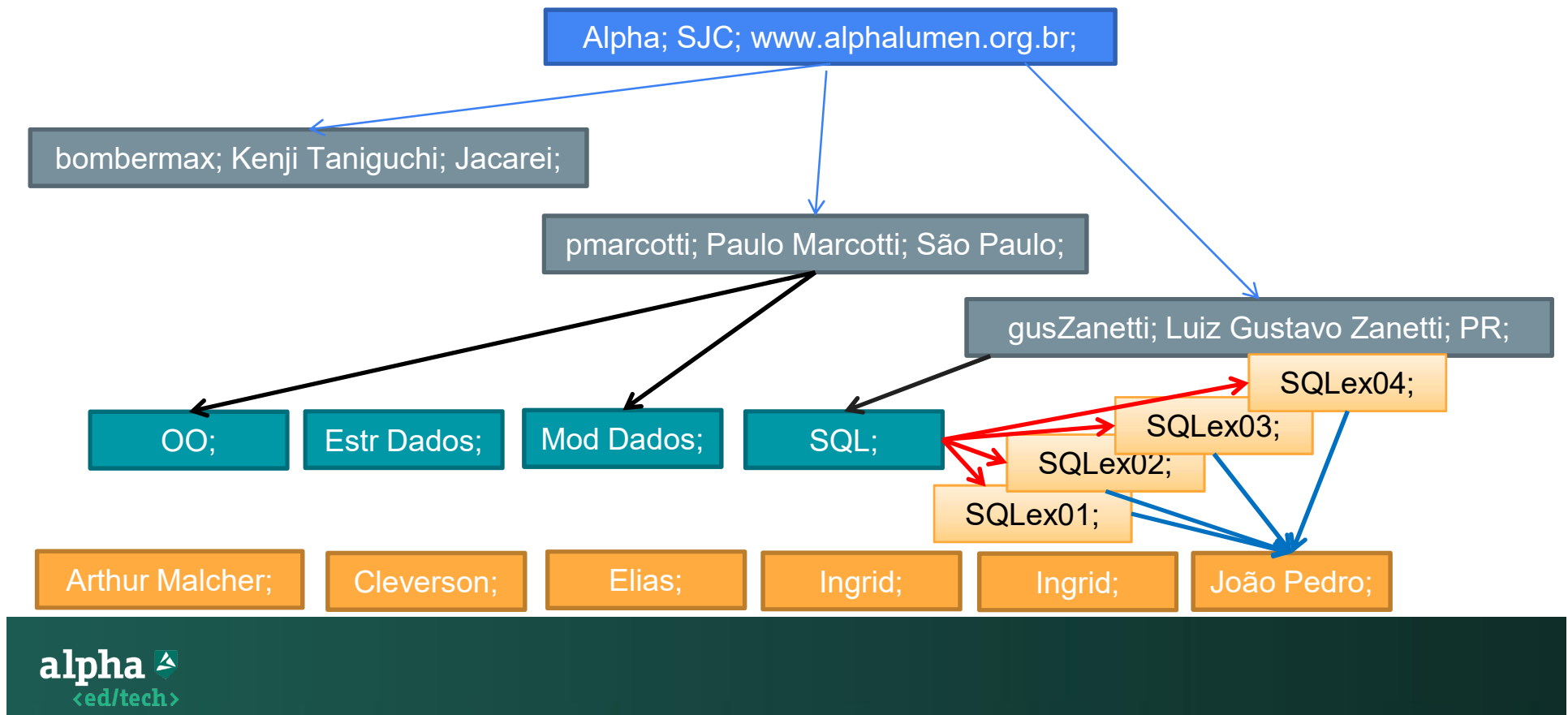
brModelo.exe – modelagem lógica



Banco de dados hierárquico



Banco de dados em rede





Obrigado!