

# ***Sistema de Moeda Estudantil***

Participantes:

Gustavo Henrique Silva

Victor Alexandre Peters Fonseca

Professor:

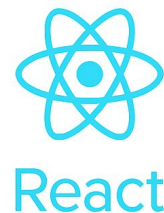
João Paulo Aramuni

# Descrição do Sistema

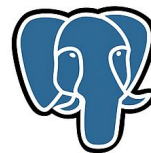
O *Sistema de Moeda Estudantil* foi desenvolvido para incentivar o reconhecimento acadêmico por meio de uma moeda virtual. Professores distribuem moedas aos alunos como forma de premiação por bom desempenho, participação ou comportamento. Os alunos podem trocar essas moedas por vantagens oferecidas por empresas parceiras, como descontos e produtos. O sistema contempla cadastro e autenticação de usuários, controle de saldo, extrato de transações, e resgate de recompensas, promovendo integração entre instituições de ensino e o mercado local.

# Tecnologias Utilizadas

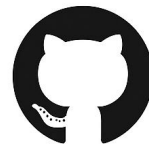
- Java + Spring Boot (backend)
- React (frontend)
- JPA/Hibernate (persistência)
- PostgreSQL (banco de dados)
- Docker (ambiente)
- GitHub (controle de versão)



HIBERNATE

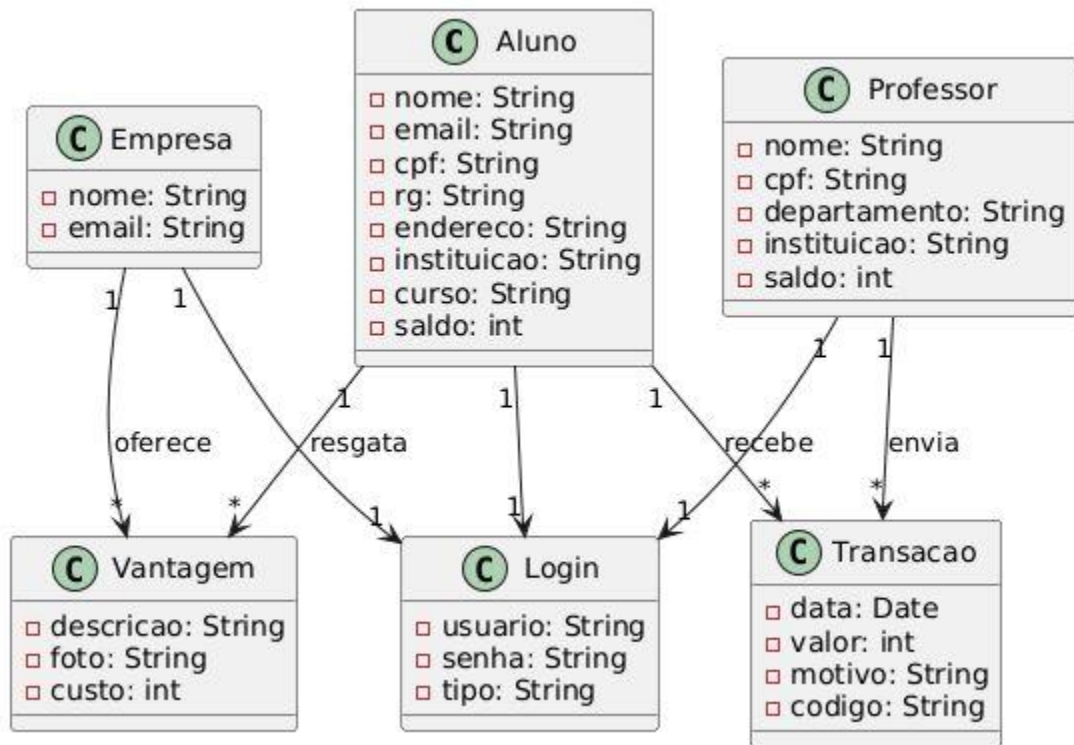


PostgreSQL



GitHub

# Arquitetura do Sistema



# Estrutura do Projeto

## LAB-DE-PROJETO-3

- .vscode
- ▾ projeto3
  - .mvn
  - .vscode
- ▾ src
  - ▾ main
    - ▾ java / com / lab / projeto3
      - ▾ controller
        - AlunoController.java
        - EmpresaParceiraController.java
      - ▾ dto
        - ▾ create
          - AlunoCreateDTO.java
          - EmpresaParceiraCreateDTO.java
          - ProfessorCreateDTO.java
          - VantagemCreateDTO.java
        - AlunoDTO.java
        - EmpresaParceiraDTO.java
        - InstituicaoDTO.java
        - ProfessorDTO.java
        - TransacaoMoedaDTO.java
        - VantagemDTO.java

- ▾ mapper
  - AlunoMapper.java
  - EmpresaParceiraMapper.java
  - InstituicaoMapper.java
  - ProfessorMapper.java
  - TransacaoMoedaMapper.java
  - VantagemMapper.java
- ▾ model
  - Aluno.java
  - EmpresaParceira.java
  - Instituicao.java
  - Professor.java
  - TransacaoMoeda.java
  - Usuario.java
  - Vantagem.java
- ▾ repository
  - AlunoRepository.java
  - EmpresaParceiraRepository.java
  - InstituicaoRepository.java
  - ProfessorRepository.java
  - TransacaoMoedaRepository.java
  - VantagemRepository.java
- Projeto3Application.java

- ▾ resources
  - ▾ static
    - index.html
    - ! application.yml
  - ▾ test / java / com / lab / projeto3
    - Projeto3ApplicationTests.java
  - ▾ target
- .env
- .gitattributes
- .gitignore
- docker-compose.yaml
- mvnw
- mvnw.cmd
- pom.xml
- Modelo ER.jpg
- MOEDA\_ESTUDANTIL\_DC.jpg
- MOEDA\_ESTUDANTIL\_DPK.jpg
- MOEDA\_ESTUDANTIL\_ER.png
- MOEDA\_ESTUDANTIL\_US.jpg
- README.md

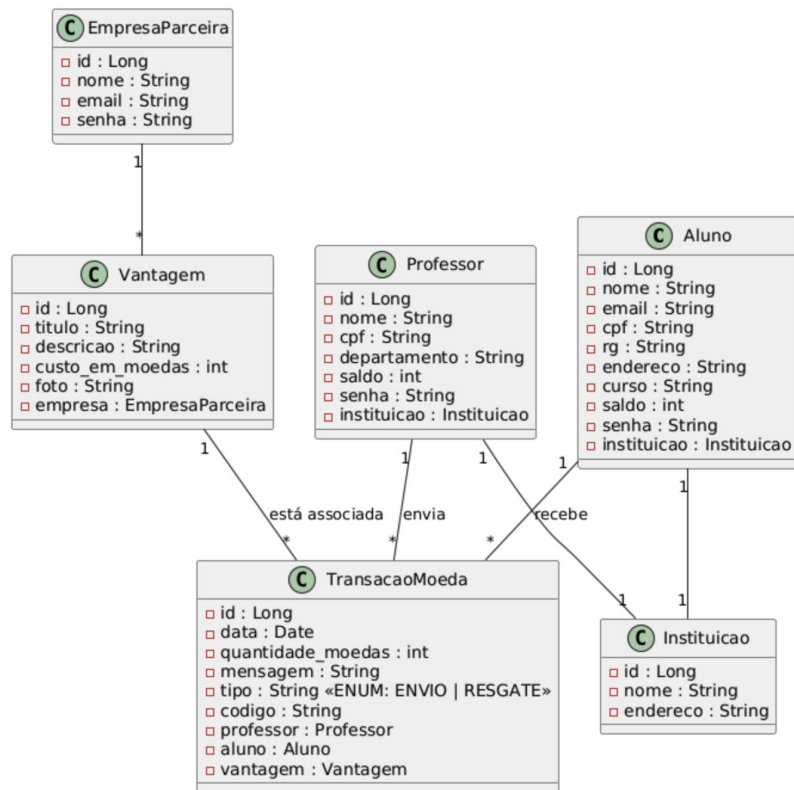
# Estrutura do Projeto

▼ PROJETO3-FRONT [WSL: UBUNTU]	
▼ lab3	
> node_modules	
> public	
▼ src	
▼ api	
TS auth.ts	U
TS index.ts	U
> assets	
> components	
▼ contexts	
AuthContext.tsx	U
QueryProvider.tsx	U
ThemeContext.tsx	U

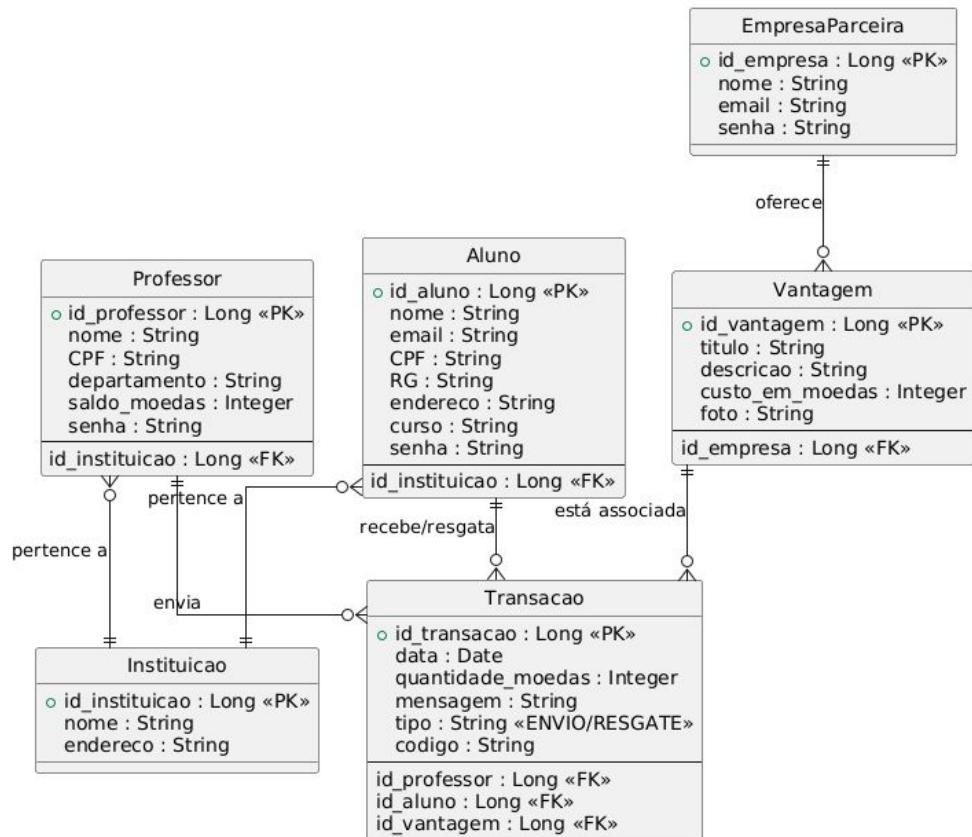
▼ pages	
▼ company	
index.tsx	U
TS styles.ts	U
▼ home	
index.tsx	U
TS styles.ts	U
▼ student	
index.tsx	U
TS styles.ts	U
> styles	
App.css	U
App.tsx	U
index.css	U
main.tsx	U
TS vite-env.d.ts	U

.gitignore	U
eslint.config.js	U
index.html	U
package-lock.json	U
package.json	U
README.md	U
tsconfig.app.json	U
tsconfig.json	U
tsconfig.node.json	U
vite.config.ts	U

# Diagrama de Classes

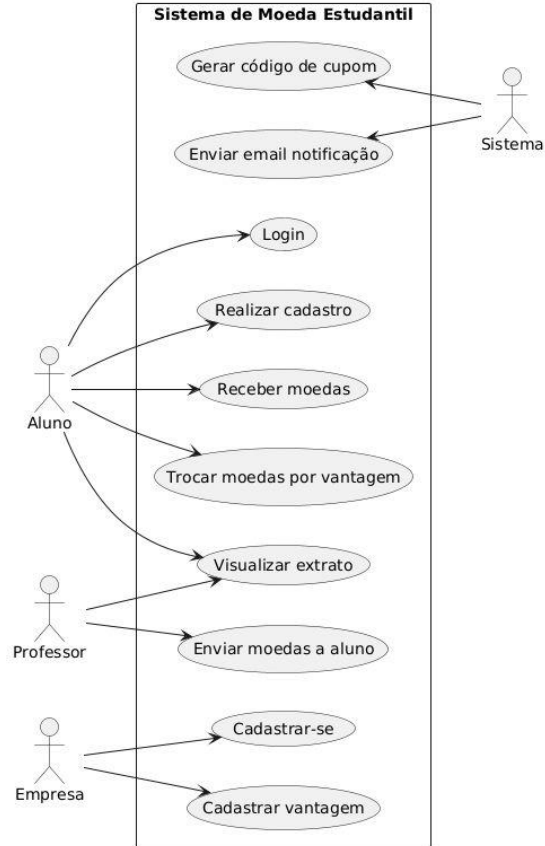


# Modelo de Entidade-Relacionamento





# Diagrama de Casos de Uso





## Login to Your Account

Enter your credentials to access Student Coin System.

Email

Password

Role

Select your role



Student

Teacher

Partner Company



## Login to Your Account

Enter your credentials to access Student Coin System.

Email

Password

Role

Teacher



Login

Don't have an account? [Sign up as a Student](#)

**Login Successful**

Welcome back, teacher! Redirecting to dashboard...



## Student Coin

Dashboard

Distribute Coins

My Profile

Settings

Logout



Student Coin System



### Prof. Dumbledore

Teacher Profile & Coin Balance

Department: Transfiguration

Institution: Hogwarts School of Witchcraft and Wizardry

CPF: 222.222.222-22

Available for Distribution:

 **50.000** Coins



### Distribute Coins

Select a student, enter amount and a message.

Select Student

Choose a student

Amount of Coins

10

Message (Required)

Reason for distribution, e.g., 'Excellent work on project X'



Send Coins



### Distribution History

Student	Message	Amount	Date
Charlie Brown	Helping classmates	150	18/10/2023
Bob The Builder	Good presentation skills	100	12/10/2023
Alice Wonderland	For excellent assignment participation	200	05/10/2023

A list of your recent coin distributions.



## Student Coin

- Dashboard
- Distribute Coins
- My Profile
- Settings
- Logout



## Settings

Manage your account settings and preferences.

### Notification Preferences

Control how you receive notifications from the Student Coin System.

Email for Coin Rewards

Receive an email when you get new coins.



Email for Redemptions

Get email confirmation for successful redemptions.



### Account Security

Manage your password and account security settings.

Current Password

\*\*\*\*\*

New Password

\*\*\*\*\*

Confirm New Password

\*\*\*\*\*

Change Password

Save All Changes



## Student Coin

- My Coins
- Redeem Benefits
- My Profile
- Settings
- Logout

## Student Coin System



Welcome back, Alice Wonderland!

**1.500** Coins

Your current available student coin balance.

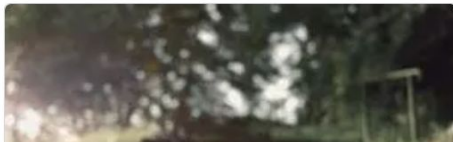
### Transaction History

	Redeemed: Bookstore Discount	University bookstore	-500	20/10/2023
	Project Completion - Prof. Snape	Prof. Snape	+300	15/10/2023
	Redeemed: Coffee Voucher	Campus Cafe	-150	10/10/2023
	Excellent Assignment - Prof. Dumbledore	Prof. Dumbledore	+200	05/10/2023
	Welcome Bonus	System	+500	01/10/2023

A list of your recent transactions.

### Redeem Benefits

Use your coins to get exciting rewards from our partners.





## Student Coin

- My Coins
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Student Coin System



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