

EduCoin - ER

User(id - PK, name, login, password) id reference User
Student(id - FK, CPF, email, RG, course, address, school) CPF reference User
School(id-FK, teachers) id reference User
Teacher(id - FK, CPF, departm) id reference User
Partner(id - FK, sector, email) id reference User
Address(id - FK, street, city, state, zipCode, country) id reference Student
Transation(id - PK, idUser - FK, date, debit, credit, transationHistory), id reference Transation
idUser reference User
Benefit(id - PK, idPartner - FK, name, value, picture) id reference Benefit, idPartner
reference Partner

EduCoin - SQL Functions

-- User table:

-- Insert a new user:

```
INSERT INTO User (id, name, login, password)
VALUES (1, 'John', 'john123', 'password123');
```

-- Update user data:

```
UPDATE User
SET name = 'Mary', login = 'mary456', password = 'newpassword'
WHERE id = 1;
```

-- Delete a user:

```
DELETE FROM User
WHERE id = 1;
```

-- Student table:

-- Insert a new student:

```
INSERT INTO Student (id, CPF, email, RG, course, address, school)
VALUES (1, '12345678900', 'student1@email.com', '1234567', 'Computer Science',
'Street A, 123', 'School A');
```

-- Update student data:

```
UPDATE Student
SET email = 'newemail@email.com'
WHERE id = 1;
```

-- Delete a student:

```
DELETE FROM Student
WHERE id = 1;
```

-- School table:

-- Insert a new school:

```
INSERT INTO School (id, teachers)
VALUES (1, 'Prof. A, Prof. B, Prof. C');
```

-- Update school data:

```
UPDATE School
SET teachers = 'Prof. D, Prof. E, Prof. F'
WHERE id = 1;
```

-- Delete a school:

```
DELETE FROM School
WHERE id = 1;
```

-- Teacher table:

-- Insert a new teacher:

```
INSERT INTO Teacher (id, CPF, departm)
VALUES (1, '98765432100', 'Mathematics Department');
```

-- Update teacher data:

```
UPDATE Teacher
SET departm = 'Physics Department'
WHERE id = 1;
```

-- Delete a teacher:

```
DELETE FROM Teacher
WHERE id = 1;
```

-- Partner table:

-- Insert a new partner:

```
INSERT INTO Partner (id, sector, email)
VALUES (1, 'Technology', 'partner1@email.com');
```

-- Update partner data:

```
UPDATE Partner
SET email = 'newpartner@email.com'
WHERE id = 1;
```

-- Delete a partner:

```
DELETE FROM Partner
```

WHERE id = 1;

-- Address table:

-- Insert a new address:

```
INSERT INTO Address (id, street, city, state, zipCode, country)
VALUES (1, 'Street B, 456', 'São Paulo', 'SP', '01234-567', 'Brazil');
```

-- Update address data:

```
UPDATE Address
SET street = 'Street C, 789'
WHERE id = 1;
```

-- Delete an address:

```
DELETE FROM Address
WHERE id = 1;
```

-- Transation table:

-- Insert a new transaction:

```
INSERT INTO Transation (id, idUser, date, debit, credit, transationHistory)
VALUES (1, 1, '2023-04-16', 100.00, 0.00, 'Invoice payment');
```

-- Update transaction data:

```
UPDATE Transation
SET credit = 50.00
WHERE id = 1;
```

-- Delete a transaction:

```
DELETE FROM Transation
WHERE id = 1;
```

-- Benefit table:

-- Insert a new benefit:

```
INSERT INTO Benefit (id, idPartner, name, value, picture)
VALUES (1, 1, 'Benefit 1', 50.00, 'picture1.jpg');
```

-- Update benefit data:

```
UPDATE Benefit
SET name = 'New Benefit', value = 100.00, picture = 'newpicture.jpg'
WHERE id = 1;
```

-- Delete a benefit:

```
DELETE FROM Benefit
WHERE id = 1;
```

