Financial Management - UML Diagram

Users

- id: int
- firstName: str
- surname: str
- dateOfBirth: date
- gender: str
- email: str
- password: str
- twoFactorAuth: bool

+ findAll()
+ findById(id)
+ findByEmail(email)
+ registerUser()
+ changePassword(id)
+ updateUser(id)
+ delete()

Receives

Verification Code

- id: int
- code: str
- expiration_time: timestamp
- user_id: int

+ login()

**Creates,
updates &
deletes**

Revenue

- id: int
- amount: decimal
- category: str
- description: str
- date: date
- isRecuring: bool
- user_id: int

+ findAll()
+ getRevenuesByUser(user_id)
+ addRevenue()
+ updateRevenue(id)
+ delete()

Expense

- id: int
- amount: decimal
- category: str
- description: str
- date: date
- isRecuring: bool
- user_id: int

+ findAll()
+ getExpensesByUser(user_id)
+ addExpense()
+ updateExpense(id)
+ delete()

Monthly Budget Goal

- id: int
- month: str
- year: int
- min_revenue_goal: decimal
- max_expense_goal: decimal
- net_balance_goal: decimal
- user_id: int

+ findAll()
+ getBudgetGoalsByUser(user_id)
+ addBudgetGoal()
+ updateBudget(id)
+ delete()