

TEAM 08 - ROCKET TEAM

MEMBERS: Shuguli Alan - Simbaña Jonathan - Tapia Andrea - Tayo Sebastián - Teca Camila

LEADER: Shuguli Alan

TOPIC: Banking plan

OBJECTS:

1. Profile

Attributes

name: string

age: int

ID: int

password: int

Operations

Functions to change password

Profile
name: string age: int id: int password: int
-changePassword ():void

2. Account

Attributes

balance inquiry: float

withdrawals: float

savings: float

current: float

CDT: float

transfer: float

Operations

Options menu for user to choose

ACCOUNT
balance inquiry: float withdrawals: float savings: float current: float CDT: float

transfer: float
requestBalanceInquiry():void seeWithdraws():void transfer():void

3. Savings Account

Attributes

- account number:string
- deposit date:string
- retirement date:string

Operations

- deposit():void
- retirement():void
- transfer():void

SavingsAccount
-accountNumber:string -depositDate: arreglo -retirementDate: arreglo
-deposit():float -withdraw():float -transfer():float -interestGenerated (): float verbo

4. Current Account

Attributes

- account number:string
- advance date:string
- transfer date:string
- money withdraw:float

Operations

- deposit():void
- advance():void
- transfer():void

CheckingAccount
-accountNumber:string -advanceDate:string arreglo

-moneyWithdraw:arreglo
-deposit():float -advance():float -transfer():float

5. CDT

Attributes

Investment money: float

Interest rate: float

Gain: float

Time: int

CdtAccount
Investment money: float Interest rate: float Gain: float TimeInDays: int
-calculateCdt (): cdt

Operations

Calculate cdt generated annually

6. Interest

Attributes

interest: float

Operations

the user receives a monthly interest for the balance have in their savings account

Interest
interest: float
-generatedInterestSavings(): void

7. Guide

Attributes

account management:string

savings account:string

current account :string

cdt account :string

interest management:string

Operations

Guide for the user to learn to manage her account

Guide
accountManagement:string savingsAccount:string currentAccount :string cdtAccount :string interestManagement:string
learnAccount(): void learnSavings(): void learnChecking(): void learnCdt(): void learnInterest():void

8. Profit

Attributes

check amount saving :float

month: int

Operations

function to see the money generated in the checking account: savings and current

Profit
savingsTotal :float currentTotal: float
-seeSavings(): float -seeCurrent(): float

9. Management

Attributes

checks status: string/void

entry: float

transaction:float

Operations

functions to register the input and output and what had been the changes made to the account

Management

-checks status: string +income:float +transaction:float
-checkaccount(): void -registIncome():void -registTransaction():void -manageAcc():void

10. Money

Attributes

minimum value: float

maximum value: float

Operations

estimate a minimum value and a maximum value to deposit, transfer and withdraw money

Money
minValue: float maxValue: float
estimateMaximun(): void