Data533-Bank Account System

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Introduction

Our project performs the essential functions of banking software.

* Create a new account
* Make deposits and withdrawals
* Exchange money
* View the account’s records

Sub-Package 1: Structure

Module 1: Establishing Objects

* Class: User (Object with name and account number)
* Sub-Class: New User (self, name, acc\_num, init\_dps)
* method 1: def deposit(self, date)
* method 2: information(self, date)
* Sub-Class: Existing User (self, name, acc\_num, balance)
* method 1: deposit(self, amount, date)
* method 2: withdraw(self, amount, date)
* method 3: information(self, date)

Module 2: Get Interest Rates

* Function 1: Get interest rates, exchange rate online
* Function 2: Interest Calculation
* Function 3: Service Fee Calculation

Sub-Package 2: Interface

Design the interface for user and data storage for the bank

Module1: Design user interface

* method 1: Define labels for UI (text or message show on screen)
* method 2: Define input box for UI (entry column for user)
* method 3: Define buttons for UI (use to proceed an action)

Module2: Data Storage

* method 1: Add a new account/ transaction
* method 2: Read (e.g. for validation)
* method 3: Delete an existing account