Mini Project 2: Banking System

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In [14]: class BankAccount:
             def __init__(self, username, password):
                 self.username = username
                 self.password = password
                 self.balance = 50000
                 self.is_logged_in = False
             def login(self, username, password):
                 if username == self.username and password == self.password:
                      self.is logged in = True
                     print("Login successful!")
                 else:
                     print("Invalid credentials!")
             def deposit(self, amount):
                 if self.is_logged_in:
                     self.balance += amount
                     print(f"Amount Deposited: {amount}. New Balance: {self.balance}")
                 else:
                     print("Please login to deposit the amount.")
             def withdraw(self, amount):
                 if self.is logged in:
                     if amount > self.balance:
                          print("Insufficient balance.")
                     else:
                          self.balance -= amount
                          print(f"Amount Withdrawn: {amount}. New Balance: {self.balance}
                 else:
                     print("Please login to withdraw the amount.")
             def transfer(self, target account ,amount):
                 if self.is logged in:
                     if amount <= self.balance:</pre>
                          self.balance -= amount
                          print(f"Transferred to target_account {amount}. New Balance: {
                          print("Insufficient balance for the transfer.")
                 else:
                     print("Please login to make a transfer.")
             def check_balance(self):
                 if self.is_logged_in:
                      print(f"Your current balance is: {self.balance}")
                 else:
                     print("Please login to check your balance.")
             def logout(self):
                 self.is_logged_in = False
                 print("Logged out successfully.")
         # Main function to run the banking system
         def main():
             # Create a bank account with a username and password
             account = BankAccount('della', '123')
             target account= BankAccount('kevin'," None")
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while True:
        print("\nWelcome to the Banking System")
        print("1: Login")
        print("2: Deposit")
        print("3: Withdraw")
        print("4: Transfer")
        print("5: Check Balance")
        print("6: Logout")
        user input = input("Please choose an option: ")
        if user input == '1':
            username = input("Enter your username: ")
            password = input("Enter your password: ")
            account.login(username, password)
        elif user_input == '2':
            if account.is logged in:
                amount = float(input("Enter the amount to deposit: "))
                account.deposit(amount)
            else:
                print("You must login first.")
        elif user input == '3':
            if account.is_logged_in:
                amount = float(input("Enter the amount to withdraw: "))
                account.withdraw(amount)
            else:
                print("You must login first.")
        elif user_input == '4':
            if account.is_logged_in:
                amount = float(input("Enter the amount to transfer: "))
                # Assuming you have a way to get the recipient's account object
                account.transfer("kevin",amount)
            else:
                print("You must login first.")
        elif user_input == '5':
            account.check_balance()
        elif user input == '6':
            account.logout()
        next_Transaction = input("Would you like to do another transaction? (ye
        if next_Transaction.lower() != 'yes':
            print("Thank you for using the Banking System. Goodbye!")
            break
if __name__ == "__main__":
    main()
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Welcome to the Banking System
1: Login
2: Deposit
3: Withdraw
4: Transfer
5: Check Balance
6: Logout
Please choose an option: 1
Enter your username: della
Enter your password: 123
Login successful!
Would you like to do another transaction? (yes/no): yes
Welcome to the Banking System
1: Login
2: Deposit
3: Withdraw
4: Transfer
5: Check Balance
6: Logout
Please choose an option: 2
Enter the amount to deposit: 10000
Amount Deposited: 10000.0. New Balance: 60000.0
Would you like to do another transaction? (yes/no): yes
Welcome to the Banking System
1: Login
2: Deposit
3: Withdraw
4: Transfer
5: Check Balance
6: Logout
Please choose an option: 3
Enter the amount to withdraw: 5000
Amount Withdrawn: 5000.0. New Balance: 55000.0
Would you like to do another transaction? (yes/no): yes
Welcome to the Banking System
1: Login
2: Deposit
3: Withdraw
4: Transfer
5: Check Balance
6: Logout
Please choose an option: 4
Enter the amount to transfer: 25000
Transferred to target_account 25000.0. New Balance: 30000.0
Would you like to do another transaction? (yes/no): yes
Welcome to the Banking System
1: Login
2: Deposit
3: Withdraw
4: Transfer
5: Check Balance
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6: Logout

Please choose an option: 5 Your current balance is: 30000.0 Would you like to do another transaction? (yes/no): yes Welcome to the Banking System 1: Login 2: Deposit 3: Withdraw 4: Transfer 5: Check Balance 6: Logout Please choose an option: 6 Logged out successfully. Would you like to do another transaction? (yes/no): no Thank you for using the Banking System. Goodbye! In []: In []: