UCB MSSE fall 2024 chem 274b Final Banking System UML Class Diagram

0..* Account Banking System attributes + Idnumber: int + timestamp: int + balance: int attributes + spent: int + dictionary_of_accounts:dict + set_of_accounts: set + store_top_spenders: heap methods + add_money(amount): int methods + subtract_money(amount): int - create_account(timestamp: int, account_id: str):bool + store_cashback(amount): None - deposit(timestamp: int, account_id : str, amount:int):int | None - transfer(timestamp: int, source_account_id: str, target_account_id: str, amount:int):int | None - top_spenders(timestamp: int, n: int):list[str] - pay(timestamp:int, account id: str, amount: int):str | None - get_payment_status(timestamp:int, account_id: str, payment:str | None - get_balance(timestamp:int, account_id:str, time_at: int):int | None