

__author__ = "7985984, Saghdaou, 8441241, Fischer"

UserManager

JSON_FILE: str

- data: dict

- users: Dict[str, User]

+ __init__()

+ load_data() : dict

+ save_data() : None

+ load_users() : Dict[str, User]

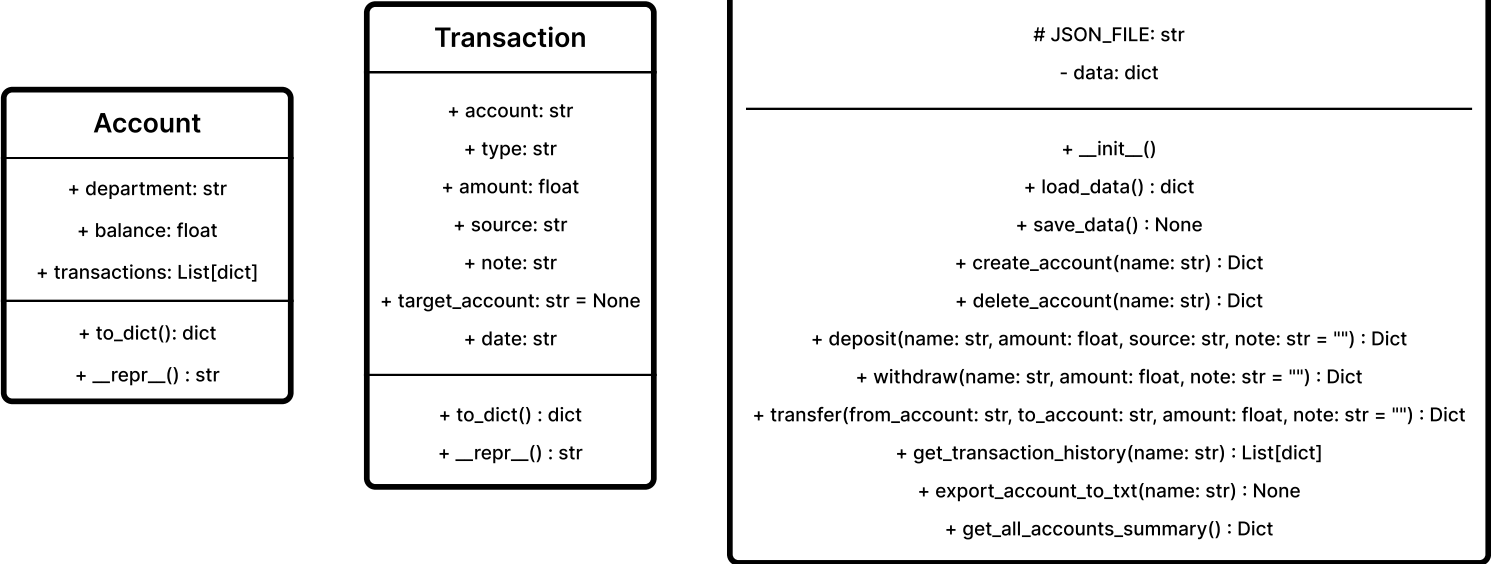
+ add_user(username: str, password: str, role: str, accounts: List[str] = None) : str

+ edit_user(username: str, new_username: str = None, new_password: str = None, new_role: str = None, new_accounts: List[str] = None) : str

+ delete_user(username: str) : str

+ list_users() : str

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AdminDashboard

+ root: tk.Tk
- users: Dict[str, dict]
- accounts: Dict[str, dict]

+ __init__(root: tk.Tk) : None
+ manage_account() : None
+ add_account() : None
+ save_account(name_entry: tk.Entry, start_saldo_entry: tk.Entry) : None
+ show_account() : None
+ manage_users() : None
+ show_user() : None
+ add_user() : None
+ save_user(username_entry: tk.Entry, password_entry: tk.Entry, role_entry: tk.Entry) : None
+ export_data() : None
+ clear_frame() : None
+ logout() : None

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TreasurerDashboard

+ root: tk.Tk

+ __init__(root: tk.Tk) → None
+ deposit_money() → None
+ withdraw_money() → None
+ transfer_money() → None
+ show_transactions() → None
+ logout() → None

User

+ username: string
+ password: string
+ role: string
+ accounts: List[str]

+ has_access_to(self, account_name: str): bool
+ to_dict(self): Dict[str, str | List[str]]

FinanceDashboard

+ root: tk.Tk

+ __init__(root: tk.Tk) → None
+ view_overview() → None
+ view_account_history(account_name: str) → None
+ logout() → None