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Project 6: Documentations and UML

Project 5 concludes of 5 working classes: Transaction class, Fund class, Account class, Binary Search Tree class, and finally the driver. Each class has different tasks and variants that they must hold which then gets used as a function in another class. In this specific method, the driver starts off the function by location and opening the specified file that holds the excitable codes, translates them to a list so that python can hold on to it, and adds it to a queue waiting to be executed. Then, the driver will go through the queue and its commands using the BinarySearchTree(BST) class to open accounts if they don’t exist, or complete the action specified. The BST class will have functions to open new nodes (Accounts) and call actions to those nodes if needed. Then, it will be able to store each account in a specific order accurately to be found later. The Account class is the main holder of funds and represents a client’s normal bank account. It will be where the client can withdraw, deposit, or print their history for 10 funds named differently. The funds in the account are instances of the Fund class where the money aspect is held privately with actions such as addition, set, or getters.