Function of the App:

This app is essentially a basic bank machine that allows users to store money securely. A user can deposit and withdraw funds from their account, check their balance, and even get a receipt with records of all transactions performed by them. The user does this by

typing commands in the program.This program is also admin friendly. Admins, after logging into their special account, can add new users to the database and print all users within the database.

Research:

- Researched how to bypass an error (KeyError)

- Used the try except statement in order to print the admin account

even though no balance was available for that account in the printAllUsers()

function.

Functions:

- bankApp()

- Main function that contains the bulk of the program

- After login() is run, the user is asked what action he/she would like to take, then execute the appropriate function based on the input of the user

- login()

- Asks user for a valid PIN

- Iterates through the database and tries to link it to any account in system

- Once a match is found, the process is ended and the user may continue to the

rest of the program

- If no match is found, the user must try again until a valid PIN in entered, or

until he/she type "quit"

- deposit()

- Asks user to input a given amount of money that is in between $0 and $1000

- Adds that amount of money to the user's account and appends that

transaction to the list within the user account with timestamp then ends.

- If inputted amount of money is not in valid range, the process repeats

- Also ends if user inputs 'quit'

- withdraw()

- Asks user to input an amount of money within sufficient funds

- Subtracts that amount of money from the user's account and appends that

transaction to the list within the user account with timestamp, then ends.

- If inputted amount of money is not in valid range, the process repeats

- Also ends if user inputs 'quit'

- checkBalance()

- Prints the balance of the user's account with print function

- receipt()

- Prints the recorded log of the user's account with print function

- logout()

- Breaks out of the main loop in bankApp() and logs user out of their account,

taking him/her back to the login screen

- To quit the program, the user must type "quit" at the login screen