

# CSC424 - Assignment 4

Due: 04/04/2019 at 11:59 PM

**Note: Make sure to attach the full NoSQL database and the Python code.  
Test your code prior to submission.**

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## ACME Bank

Customer	Account	Account Type	Transaction
first name last name SSN address	Account Type balance interest rate overdraft fee rate last access time-stamp	savings checking	amount transaction type time-stamp

Given the above table structure;

1. Design the MongoDB database for the ACME bank.
2. Write a Python program using the PyMongo library to facilitate the following functionality.
  1. Adding a new customer (checking, savings or both)
  2. Withdraw money from an account
  3. Deposit money to the account
  4. Display transactions history for a particular account
  5. If the customer has withdrawn the money an account where the initial balance is zero, then add the overdraft fee