Basic Overview

- Create a simple banking application in C++, designed to manage banking operations through an interface.

- User will be able to do the following:

  - Create a new account
  - Delete an existing Acct
  - Check balance
  - Make deposit/withdrawals
  - Make Transfers
  - Change Pin #

  - Application will interact w/ users via a text-based menu, processing request until user ends/exits application

- Application will store/modify accts from a txt. file and can modify while iterating

Component Planning

- Functionalities

  1.) Creating new Acct
     - Prompt User for details
     - Verify new Acct # is Valid
     - Adds new bank Acct to bank

  2.) Delete an Existing Acct
     - Request acct # & Pin from User

- Validate and delete credentials exist

3.) Check Balance
- Prompt user for acct & pin
- Validate credentials & Display Acct Balance

4.) Making Deposits / Withdrawals
- Request Accnt #, pin, & amt
- Validate for valid amt & withdrawal if there's enough money
- Update Acct

5.) Making Transfers
- Request Source & Destination Acct #'s, pin for Source Accnt, and amt
- Validate credentials & make sure source has valid amt, not transferring what person doesn't have (Just like Withdrawal Check)

6.) Changing Pin
- Request Acct. old Pin
  - If pin → old pin ⇒ new pin
- Validate old pin, new pin, and then update to new pin

<u>Basic Structure of Program</u>

Bank Acct.CPP/.h
File Mngr. CPP/.h

Bank .cpp/.h
Main .cpp