**Bear Bank - Project 1**

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CSC 232

**File Details**

[**Bank.cpp**](https://github.com/dahdave/CSC232_Project1/blob/main/Bank.cpp)

This is a .cpp file that contains the main function as well as related functions and includes the parent and child classes of the header files.

[**BankAccount.h**](https://github.com/dahdave/CSC232_Project1/blob/main/BankAccount.h)

This is a .h file that contains the parent class BankAccount that inherits its properties to both SavingsAccount and Checking Account.

[**CheckingAccount.h**](https://github.com/dahdave/CSC232_Project1/blob/main/CheckingAccount.h)

This is a .h file that contains a child class CheckingAccount from the parent class BankAccount and takes on its properties as well as overrides functions.

[**README.md**](https://github.com/dahdave/CSC232_Project1/blob/main/README.md)

This was our first commit to GitHub and simply holds the name of the project. “CSC232\_Project1.”

[**SavingsAccount.h**](https://github.com/dahdave/CSC232_Project1/blob/main/SavingsAccount.h)

This is a .h file that contains a child class SavingsAccount from the parent class BankAccount and takes on its properties as well as overrides functions.

[**checkingAcc.txt**](https://github.com/dahdave/CSC232_Project1/blob/main/checkingAcc.txt)

This is the text file used to store the checking account information: Account Number(as well as asterisk for high risk accounts) and Balance.

[**interestRate.txt**](https://github.com/dahdave/CSC232_Project1/blob/main/interestRate.txt)

This is the text file used to store the interest rate. (in order that it not be hard coded)

[**savingAcc.txt**](https://github.com/dahdave/CSC232_Project1/blob/main/savingAcc.txt)

This is the text file used to store the savings account information: Account Number and Balance.

[**serviceCharge.txt**](https://github.com/dahdave/CSC232_Project1/blob/main/serviceCharge.txt)

This is the text file used to store the service charge. (in order that it not be hard coded)

**CSC 232 Project-1.docx**

This is the document that explains how we implemented OOP in our code and where, as well as project contributor information and the GitHub Repository Link. This document also includes some important information for the instructor regarding our team’s use of GitHub and our contributions.

**“How To” Project-1 Document**

This is the document you are currently viewing and explains the details contained in each of the files as well as a step-by-step process on how to access them.

**UML Diagram**

This document outlines the use of OOP in our project in terms of Unified Modeling Language (UML).

**How to Access Files**

**Step 1** Download the zip file from blackboard submission.

**Step 2** Extract the files in the same file location on your computer.

**Step 3** Open CSC 232 Project-1.docx and UML Diagram.docx to see how OOP will be used and get the GitHub repository link.

**Step 4** Compile Bank.cpp, BankAccount.h, CheckingAccount.h, and SavingsAccount.h in Cygwin before running the program.

**Step 5** Run Bank.cpp

**Step 6** Check the checkingAcc.txt and savingAcc.txt files for changes during and after program run time.

**Step 7** Look through the .cpp and .h files and use comments to help you understand the code.