CIST 2342
C# II Programming - Project
Fall Semester, 2022

For this project, you will be creating an entire C# Application from scratch. (200 Points)

The ChattBank Application

Project Description:

In this project you will create an Entire Application that may be used by a ChattBank Customer. There are 2 different types of Users of this System →
A Customer and an Admin. The Customer will login and view his/her Accounts. The Customer may also create new Accounts and/or deposit or withdraw from any of their Accounts. The Admin user will login to create new Customer Accounts.

You have 3 different choices of Projects that you can build. Pick one, design it, build it, and present it to the instructor.

Project XX (120 Points max)
Build this Project as a Windows Form Project
A Current Customer should be able to:
      1.) Login
      2.) View their Accounts one at a time by providing the Account No.
      3.) Create a new Account
      4.) Deposit to or Withdraw from any Account

Project YY (150 Points max)
Build this Project as a Windows Form Project
A New Customer should be able to:
      1.) Login
      2.) View their Accounts one at a time by providing the Account No.
      3.) Create a new Account
      4.) Deposit to or Withdraw from any Account
Admin user should be able to:

5.) Login as Admin(id="admin", pw="123") and Create/Delete Customers

Project ZZ (200 Points max)
Build this Project as a Windows Form Project
A New Customer should be able to:
1.) Login
2.) View all their Accounts in list form, without supplying Acct Nos.
3.) Create a new Account
4.) Deposit to or Withdraw from any Account
Admin user should be able to:
5.) Login as Admin(id="admin", pw="123") and Create/Delete Customers

ProjectWeb (225 Points max)
Build this Project as a Web Project(25 Extra Credit Points)
A New Customer should be able to:
1.) Login
2.) View all their Accounts in list form, without supplying Acct Nos.
3.) Create a new Account
4.) Deposit to or Withdraw from any Account
Admin user should be able to:
5.) Login as Admin(id="admin", pw="123") and Create/Delete Customers

The Account information will be stored in a MS Access database. The Instructor will provide the database.

DESIGN
Before you start coding, you should go through a Design first.
A.) Start your Design at the Database. Look at the database to try to understand the tables and what Objects may be needed.
B.) Next design these Business Classes you may need. Include all properties and Behaviors needed for each Business Class.
C.) After you have decided on all the Business Objects, take a look at the Presentation Forms you will need, and design them.

Project Requirements:

PART I: Analysis and Design(30 Points)
Before you begin Coding, sit down and plan out your project. What Data
Access Object will you need. What Business Objects will you need. What
Windows Forms will you need.

PART II: Code(100 - 150 Points) Create all the C# code necessary to make
this application work. Follow the design you created to build the App.

PART III: Documentation(20 Points) Create Documentation/Comments
for all C# classes that you build for this Project.