Project Proposal:

Due: March 5

Points: 30

Group work: 3 members per group

Your project should cover the following concept with VB:

1. Your project should cover the following concepts related to Object Oriented Programming in a meaningful way:
   1. Inheritance (At least three child class from a parent)
   2. Polymorphism (At least two polymorphic functions)
   3. Abstract Class

1. It should have multiple forms with at least the following controls and functionalities
   1. A menu-bar, a Button, Dropdown-list, Radio-button/Checkbox group
   2. Demonstrate the capability of adding controls on a form in a dynamic fashion (For example)
2. Your project should have access to a database and should at least demonstrated the following operations:
   1. There should be multiple databases (at least 2)
   2. There should be multiple tables in each database (at least 2 tables per database)
   3. Insert data
   4. Delete Data
   5. Update data
   6. You have to demonstrate how you can insert/update/delete data from multiple tables on a single button click (e.g., one single click on a delete button will delete a selected student from all tables of the database)
3. Just for your information, in the end, you may need to work with a Dynamically Linked Library (DLL) also. That I will Discuss later (Don’t worry about it now ).

Please submit a project proposal by the March 5. You can use projects from your previous courses (such as, CS2430) also. But You have to write the proposal clearly explaining where the above-mentioned features/requirements will be demonstrated. Better you will explain better will be your score.

Write in a Word document and submit it on Canvas.

2 Points bonus for drawing class-diagram showing the relation between different classes and/or forms in your project. Score will vary based on the correctness of the diagram

2 Points bonus for drawing ER-digram (Entity-Relationship diagram) showing the database schema.