CIST 1305 – Program Design and Development

Chapter 7

**Assignment #10**

[Simple Classes]

*(40 Points)*

Please do the following exercises:

1. Design a class named **Account**. The Account class should have 3 properties; an AcctNo, an owner, and a balance. Determine the data types for each property, then create the class diagram and write the pseudo-code that defines the class.
2. Design a class named **Pizza**. Data fields include a string field for toppings (such as pepperoni) and num fields for diameter in inches (such as 12) and price (such as 13.99). Include methods to get and set values for each of these fields. Create the class diagram and write the pseudo-code that defines the class.
3. Design a class named **Book** that holds a ISBN number, author, title, price, and number of pages for the book. Include methods to get and set the values for each data field. Write the pseudo-code that defines the class.
4. Design a class named **Student**. The Student class should have a Firstname, a Lastname, an Address, an email address, a major and a GPA. Determine the data types for each property, then create the class diagram and write the pseudo-code that defines the class.