Module 3 Assignment

This assignment will test your knowledge of the following areas:

* Creating unit test project
* Creating unit test classes
* Creating unit test methods

Introduction

This phase of the project will have you automate testing by coding unit tests for your library.

Requirements

**Test Project**

Create a new Unit Test Project (.NET Framework) project named *LastName.FirstName.Business.Testing*, where “FirstName” and “LastName” correspond to your first and last names.

Name the Visual Studio Solution *Assignment3FirstNameLastName*, where “FirstName” and “LastName” correspond to your first and last names.

**Examples**

If your name is *Dallas Page*, the project and solution would be named:

* Project: Page.Dallas.Business.Testing
* Solution: Assignment3DallasPage\*

Add a reference to your *LastName.FirstName.Business.dll* (from the previous assignment) in your Unit Test Project to access the Library classes.

Develop the required unit tests for the following classes in your library:

* SalesQuote
* CarWashInvoice
* Financial

Create a new unit test class for each class you are testing. Ensure that all method outcomes are tested, including exceptions.

Documentation is not required for unit test class or methods.

What to Submit

Your assignment will be submitted as a .zip file and will contain one or more Visual Studio solution directories. Name the .zip file using the following naming format:

adev-2008\_firstname\_lastname\_assignment\_3.zip

The “firstname” and “lastname” parts of the file name will be substituted with your first and last names.

Each Visual Studio solution is saved to its own directory (referred to as the Solution Directory). Your submission must follow the directory structure as seen below.

**Directory Structure**

adev-2008\_firstname\_lastname\_assignment\_3.zip

└── Assignment3FirstNameLastName

Due Date

The due date for the assignment can be found in the Dropbox folder for this assignment.

If you are unsure of the due date, ask the instructor to avoid not submitting your assignment by the due date.

Evaluation

A rubric is used to grade your assignment. Review the rubric before and after completing the assignment. You can find the rubric in the Dropbox for this assignment.

Grading

The weight of this assignment can be found in the Course Outline and the Grade tool in Learn.

**Assignment Improvement Option**

After the evaluation of an assignment, you have the opportunity within one week of the due date to fix any defects in your assignment for a grade improvement of up to 20%. For example, if you received a grade of 60% on an assignment, you could fix the problems, add missing functionality, etc. and improve your grade up to 80%.

Caveats:

1. The Assignment Improvement Option is not available to assignments not submitted by the due date.
2. You must achieve a grade of at least 35% on your initial submission.
3. You must include a detailed list of improvements for each source code file. Ensure you have the original version of the files, as you may be asked to show it for comparison.
4. You will only get one attempt to improve your grade.