

# CIS605 Test 2 - Preparation

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*Fall 2015*

## Instructions

This test covers Chapter 3 and part of Chapter 4: Variables, Data Types, Operations, and the introductory part of Classes that we have been focusing on for Project02. (Attributes, Constructors, Property Procedures, ToString, some Behavioral Methods and pass-by-value and return values, and how to use all these in the main form and in "Process Test Data"). You, of course, still have to know how to do the other things you've been learning all semester, but this test will *focus* on these things.

### ACADEMIC INTEGRITY EXPECTATIONS:

This is a take-home test, with a limited amount of time allowed. It is open-book, open-note, open-Internet, closed-neighbor. You may not obtain any form of help from another human in answering the questions on this test. Only you, the person who is receiving a grade for the test and the course may complete the work for the test.

By submitting your answers for a grade you agree that you have done the following:

1. You, the person receiving a grade for this course, are the only one who has worked on and submitted your answers for, this test.
2. During the test you have neither received any help from, nor given any help to, other people regarding the test.
3. Before the test you have not communicated regarding the test with anyone who has already taken the test, and after the test you have not communicated regarding the test with anyone who has not yet taken the test.

For any questions where you are asked to "describe", "explain", "discuss", etc., you must use your own words. In other words, credit will not be given for descriptions, explanations, discussions, etc., that are copied verbatim or with changes made from other sources. Rather, you must compose the answers in your own words, in your own terminology, using your own sentence structure and phrasing.

## TEST PREPARATION:

You may do all of the following before actually starting the test. You may use your notes, etc for this preparation, but you, yourself, the person receiving a grade for this course, must do this work on your own without help from any other person.

This test has both conceptual questions and VB.Net programming questions. In order to prepare for the programming questions it is recommended that you do the following before actually starting the test and thus save valuable time once you actually start the test and the clock is running.

1. Create a Solution in Visual Studio 2015 (or 2012 or 2013) called Test02-LLLL-FFFF (where LLLL is your last/family name and FFFF is your first name).
2. Create a Project within the solution called LLLL-FFFF (the same as the Solution name, but without the "Test02" part – just your name).
3. Add a main form and 3 business logic classes.
4. Use the semester's Class Template in all of these classes.
5. In the main form, do the following:
  - a. Add "Exit" and "Process Test Data" Buttons.
  - b. Add a large multi-line, read-only "Transaction Log" TextBox that has both vertical and horizontal scroll-bars. Label this TextBox appropriately.
  - c. Make the "Transaction Log" TextBox scroll automatically to the bottom any time its contents change.
  - d. Create standard "Form\_Load", "Exit", "Process Test Data", "Initialize Business Logic", and "Initialize User Interface" event procedures and methods.
  - e. In the "Initialize User Interface" method
    - i. Set the title of the form to be "Test02-LLLL-FFFF", where LLLL is your last/family name and FFFF is your first name.
    - ii. Set the "Exit" button to be the default Cancel button.
    - iii. Set the "Process Test Data" button to be the default Accept button.

When taking the test, before the clock time runs out, you must ZIP up and attach your VB.Net Solution directory (just as you have done for Practice assignments) to this test. This must all be done before the time runs out for the test.

*You do **\*not\*** have to upload your Test2 Preparation VB.Net solution to RamCT. You will only have to upload your completed test according to the instructions on the test.*