**EE150 Project Prof. David Kuijt**

**Lab 4: Fractions**

**Due: Tuesday February 23, start of class**

**Lab Description:**

In this lab, you will write a program using DICE to create a simple program that handles fractions in C as follows:

* Take two integer numbers as input
* Returns the ratio of those integers as a floating point number.

To do this:

1. make a copy of your inner product program unit testing code and directories (don’t do this on your primary copy).
2. Under src/ directory. Write a program that takes in two integer numbers and gives you the ratio as a floating point number. Use the following prototype:  
    *double fraction (int x, int y); /\*function prototype \*/*
3. Create three (3) ITS to test your code. In each ITS, include correct-output.txt, expected-errors.txt, makeme, and runme.
4. Your program should check thoroughly for relevant errors. Unresolvable errors should result in a message to the stderr stream as described earlier this semester.
5. Your ITS should test your error-handling.

**Project Requirements:**

* 1. The program must be properly indented and documented.
  2. When submitting your lab, please submit an archive of your entire project directory (i.e., myname\_lab4.tar.gz)
  3. No late submission will be accepted.
  4. Grading guideline:   
     -- Correctness under normal input 50%

-- Error handling 20%

-- Proper indentation and documentation 10%

-- Complete testing of your program 20%