Homework Assignment #8 – Hash Table Gradebook

by Evan Olds

Cpt S 223 – Fall 2013

**Submission Instructions:**

Submit source code (zipped) to Angel BEFORE the due date/time. If the Angel submission is not working, then submit to TA (shajiami@eecs.wsu.edu) via email BEFORE the due date/time. No late submissions will be accepted. “Angel wasn’t working” is never an excuse. Email the assignment if Angel isn’t working and make sure you email it before the due date/time or else you will be given a 0.

Optional: Include a readme.txt file in the zip with any relevant information that you want the grader to be aware of.

**Reminder of policy to request instruction changes:**

If you see some way that you could demonstrate the knowledge for this assignment by doing a different type of project, then contact me to discuss. Remember that I may reject your request and require you to do the assignment exactly as it’s written. But if you have a good idea of how you could alter the assignment to make it more useful to you, then email me with your proposal.

**Assignment Instructions:**

**Read all the instructions *carefully* before you write any code.**

Download the zip file from Angel and open the Visual Studio 2012 project included within it. Do not create a new project. Open the existing one from the zip. Complete the implementation of the Gradebook class functions “AddEntry” and “GetGrade”.

Generate a hash table implementation and a hashing function for strings. Use a linked list, vector, or some other object at each index in your hash table to store multiple items if hash values collide. Have an initial hash table size of at least 1000 items.