Homework 5 Grade Sheet

Name : Kyle James

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| --- | --- | --- | --- |
| **Part** | **Criteria** | **Pts** | **Earned** |
| **1** | * CustomPair class * Class is generic * Has constructor, fields & properties * CustomDictionary class * Class is generic * Class has required fields * Hash Function * Properties * Count * Indexer Get * Indexer Set * Constructors * Default * Parameterized * Methods * ContainsKey * Add * Remove * Clear * Main Method * Seeds dictionary with initial data * Special commands * quit * count * add * remove * clear * get * set | 2  3  2  2  7  1  8  15  2  2  8  15  10  3  2  1  1  5  5  1  3  2 | 2  3  2  2  7  1  8  15  2  2  8  15  10  3  2  1  1  5  5  1  3  2 |
| **Bonus** | * Collisions successfully handled using buckets | **Up to +10** |  |
|  | Deductions for poor coding standards (commenting, poor naming, indentation, etc.) | **Up to -10** |  |
|  | Total | **100** | 100 |

***Comments:***

Overall, solid work!

Your hash function is a bit unnecessarily complex. You already check the returned value against the array wherever you use it, so you don't need to do so in the hash function itself. Additionally, you can streamline the process of getting a valid hash with your array by simply modding (%) the absolute value against the array's length.

A simple example of all this would be:

