

Grading Criteria: Prog #2
Grader: Shuo Yang

1 Documentation & Coding style (30 points)

1.1 Documentation (20 points)

	Grading criteria
External Documentation (5)	Refer to Dr. McCann's Programming Style Requirements
Class Documentation (5)	Refer to Dr. McCann's Programming Style Requirements
Internal Documentation (10)	Refer to Dr. McCann's Programming Style Requirements

1.2 Coding style (10 points)

	Grading criteria
Modularity (5)	Refer to Dr. McCann's Programming Style Requirements
Naming (5)	Refer to Dr. McCann's Programming Style Requirements

2 Implementation-solo (70 points)

	Grading criteria
Hash bucket file creation (5)	created successfully
user interface (5)	wait for user input and continuously prompt user for input
Query (60)	See test cases below

3 Implementation-team (70 points)

	Grading criteria
Hash bucket file (include directory) creation (5)	created successfully
user interface (5)	wait for user input and continuously prompt user for input
Statistics (10)	See sample statistics below
Query (50)	See test cases below

Test cases:

search key	number of matching records	points(solo)	points(team)
32	11041	6	5
456	1594	6	5
5270	1982	6	5
33102	765	6	5
264027	19	6	5
420015	61	6	5
5920184	9	6	5
2630210	10	6	5
45600395	1	6	5
32109	0	6	5

Sample statistics (this may vary by implementations):

```
—————Begin printing stats—————  
Global depth: 7  
Index file size: 66163352 bytes  
Directory size: 48000000 bytes  
Buckets size: 18163344 bytes  
Number of directory entries pointing to buckets: 4000000  
Number of buckets: 44518  
Average bucket occupancy: 14.4484%  
Arithmetic mean of SPM values: 45660302  
—————End of printing stats—————
```