

Demonstration Test Plan Team 8

Test #	Menu Options	Input (KEY)	Output	Remarks
1	Add new data	A - (Hash) Code, County, Population, Deaths, Cases	"[code] added to hash table"	prompt that asks for all the elements
2	Add new data	(Hash) Code, County, Population < 1, Deaths < 0, Cases < 0	"[code] data is not a valid input"	prompt that asks for all the elements
3	Delete data	AAA4/2	"[code] is not found in the hash table"	
4	Delete data	ALM	"[code] is not specific enough"	
5	Delete data	(Hash) ALM4/1	"ALM4/1 deleted from hash table"	none
6	Find and display one element using the primary key	ALM4/1	Code, County, Population, Deaths, Cases	nice format to display
7	Find and display one element using the primary key	ALM4/2	"ALM4/2 Not Found"	none
8	Find and display elements using the secondary key (all matches)	ALM	All data for Code, County, Population, Deaths, Cases	nice format to display
8	Find and display elements using the secondary key (all matches)	AAA	"AAA Not Found"	none
9	List data sorted by the secondary key	C	ALM ALM5/1...	inorder display by rows
10	Hidden print option (details are given in Team Project-Part2)	C (hidden)	BST indented tree display	the level number and the primary key is displayed

11	Write data to a file.	F or none	“Enter the name of your output file: ”	prompts user to enter the name of the output file after a command and before the program ends
12	(Statistics) Load Factor	none	$100.0 * \text{count} / \text{hashSize}$	call to function
13	(Statistics) Number of Collisions (Total)	none	number of objects that have encountered collisions	call to function
14	(Statistics) Longest Collision Path	none	show code with number of collisions in path	call to function
15	Help – to show the menu. Show the menu once, before the loop, then show the menu upon request	M	Shows the meny	Prompts the user to enter a char which leads them to an option
16	Quit Program/Exit	none		