Mir Ahmed

SimpleClass

StringMapInterFace
+isEmpty():bool
+getSize():int
+addValue(string key, string value):bool
+getValue(string key):string
+deleteValue(string key):bool
+clear():void
+contains(string key):bool

Node
Data Members
-professor: string
-course: string
-next: Node*

member functions
+Node()
+Node(string name, string course)
+setName(string name): void
+setCourse(string course):void
+setNext():void
+getName():string
+getCourse():string
+getNext():Node*

StringMap
Data Members
-table:HashTable

Member fucntions
StringMap()
StringMap(const StringMap& anotherMap)
operator=(const StringMap& anotherMap): StringMap
+isEmpty():bool
+getSize():int
+addValue(string key, string value):bool
+getValue(string key):string
+deleteValue(string key):bool
+clear():void
+contains(string key):bool

HashTable
Data Members
-const tableSize: int
-items[tableSize]: Node*
-totalSize:int

member functions
+HashTable()
+HashTable(const HashTable& anotherTable)
+operator=(const HashTable& anotherTable): HashTable
+inputVaidation(string key, string value)
+hash(string key):int
+countEntryAtIndex(int i): int
+isEmpty():bool
+getSize():int
+addValue(string key, string value):bool
+getValue(string key):string
+deleteValue(string value):bool
+clearTable():void
+contains(string key):bool