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| **DSAHashEntry** |
| - key: string  - value: object  - state: int |
| + getKey(): string  + getValue(): object  + getState(): int  +setKey(string): None  +setValue(string): None  +setState(string): None |

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| **DSAHash** |
| - maxSize: int  -hashArrary: DSAHashEntry Array  -count: int |
| -getTbaleSize(int): int  -hashFunction(string): int  -probeIndex(int, int): int  -find(str):int  -stepHash(str):int  -newSize(int):None  -reSize(int):None  +put(string, object):None  +get(string):DSAHashEntry  +hasKey(string):Boolean  +deleteKey(string): None  +getLoadFactor(): float  +getHashSize(): int |

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| **TestHarness** |  | **GraphIO** |
|  |  | -hashTable: DSAHash |
| **+main()** |  | +readCSV(string): DSAHash  +wrtieCSV(string, DSAHash): None  +loadSerialisedFile(string): DSAHash  +saveSerialisedFile(DSAHash, string): None |