Assignment 4 Design

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| Comparable |
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| -compareTo(CourseDBElement element): int |
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| CourseDBElement |
| -String coursed  -Int CRN  -int credits  -String roomNumber  -String name |
| -compareTo(CourseDBElement element): int  -hashCode(): int  -getCRN(): String |

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| CourseDBStructure |
| int size;  LinkedList<CourseDBElement> [] hashTable; |
| -courseDBStructure(int size)  - courseDBStructure()  -add(CourseDBElement element): void  -get(Int crn): CourseDBElement  -getTableSize(): int |

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| **CourseDBStructureInterface** |
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| **-courseDBStructure(int size)**  **- courseDBStructure()**  **-add(CourseDBElement element): void**  **-get(Int crn): CourseDBElement**  **-getTableSize(): int** |

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| CourseDBManagerInterface |
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| -Add(string id, int crn, int credits, String roomNum, String instructor): void  - get(int crn): courseDBElement  -readFile(File input): void  -showAll(): ArrayList |

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| CourseDBManager |
| CourseDBStructure object;  CourseDBElement element; |
| -Add(string id, int crn, int credits, String roomNum, String instructor): void  - get(int crn): courseDBElement  -readFile(File input): void  -showAll(): ArrayList  -addObject(): void |