

CSE 222 HW05 REPORT

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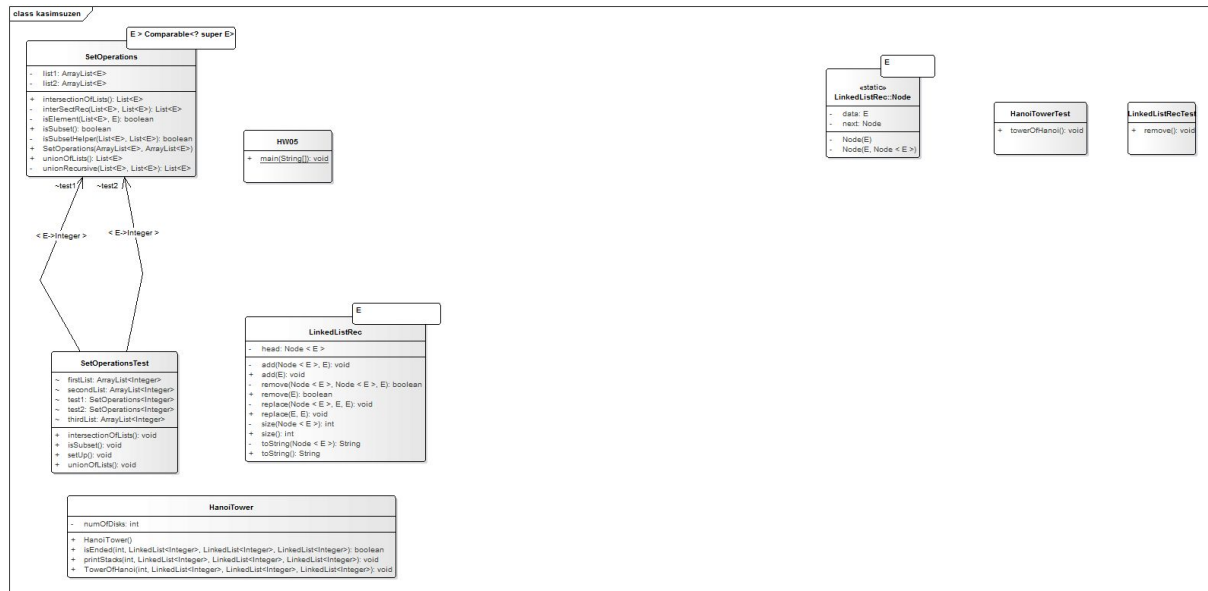
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1.SYSTEM REQUIREMENTS

In this homework the methods and classes that we implemented we need to do these things at least;

- TowerOfHanoi:
 - This method should play the game(tower of hanoi) and it have to be implemented using iterative approach
- LinkedListRec:
 - This class is actually implemented but we override two of its methods which are remove() methods. Remove , removes all copies of given parameter from list
- intersectionOfLists:
 - This method will create a new list which is intersect of two list that is member of this methods class'es also does this operations with recursive approach
- UnionOfLists:
 - This method will create a new list which is union of two list that is member of this methods class'es also does this operations with recursive approach
- isSubSet():
 - This method will determine if the two keep at this class is issubset of other list

2.CLASS DIAGRAMS



3.PROBLEM SOLUTIONS APPROACH

While implementing recursive `intersectionOfLists`, `unionOfLists`, `isSubset` and `remove` methods i need extra parameters so i used wrapper functions.

4.TEST CASES

- Testing two list(some elements of list are different and some elements are same) for union and intersection
- Removing number 7 from list which has duplicates all around list
- Plays tower of hanoi with 4 disk and prints results