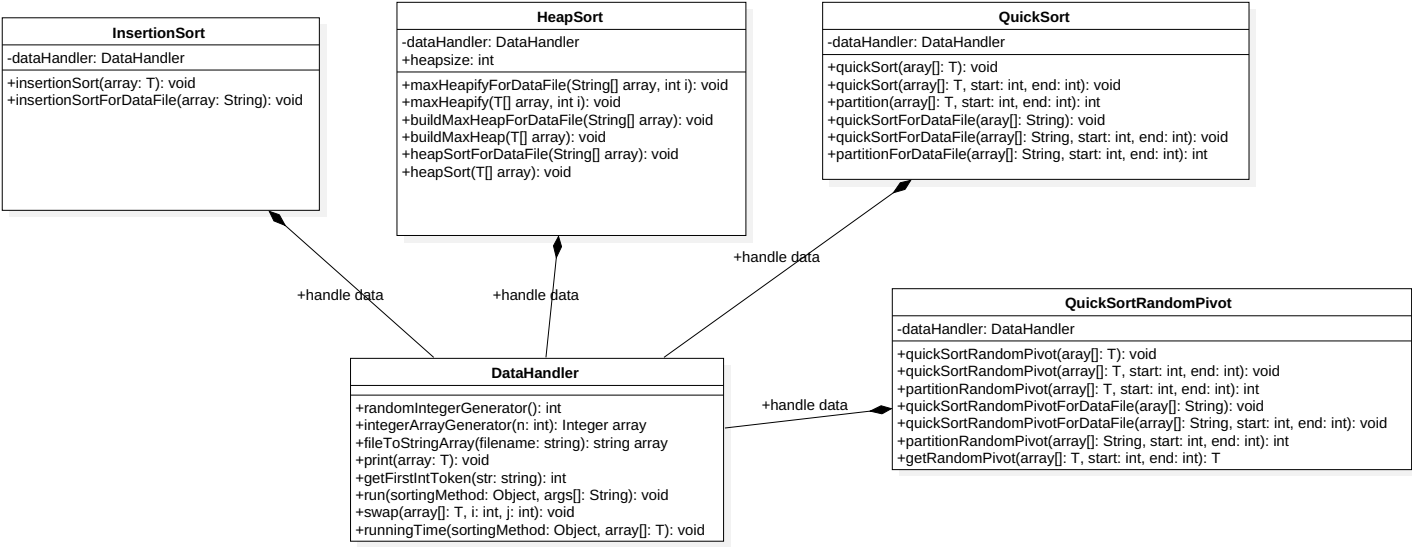


Model::Main

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CS146 - section 3
Assginment 2
Required sorting methods: InsertionSort and HeapSort
Bonus problem: QuickSort



Compile: any command below
javac DataHandler.java
javac InsertionSort.java
javac HeapSort.java
javac QuickSort.java
javac QuickSortRandomPivot.java
Run
1. Sort data file
java InsertionSort filename
java HeapSort filename
java QuickSort filename
java QuickSortRandomPivot filename
ex: java InsertionSort data.txt
Note: the data of the text file must follow this format.
1 Jose
4 Jack
Important, there is a space between number and name
2. sort with input data: you can sort integer array or string array. You can input your own data using scanner, then sort them.

Interger	String
java InsertionSort sortintegerarray	java InsertionSort sortstringarray
java HeapSort sortintegerarray	java HeapSort sortstringarray
java QuickSort sortintegerarray	java QuickSort sortstringarray
java QuickSortRandomPivot sortintegerarray	java QuickSortRandomPivot sortstringarray

3. Find running time of sorting for n inputs
java InsertionSort
java HeapSort
java QuickSort
java QuickSortRandomPivot