Program 2

Box 0

OM	X

Total number of jobs: 0
Number of Pending Jobs: 0
Jobs resolved by CCC: 0
Jobs resolved by TSO: 0
Percentage of jobs resolved by CCC 0%
Percentage of jobs resolved by TSO 0%
Longest job resolve time: 0
Average job resolve time: 0

JFrame — 1 — Main — 1 — JobsList — * — Job

Main

-OPEN_FILE : String
-CLOSED_FILE : String
-jobList : JobList
-resolvedLIst : Joblist
-frame : JFrame
-layoutComponents() : void

Job

-next_id : int
-phone : int
- lines : int
- description : ArrayList<String>
-time : long
-resolved : long

+Job(id : int, phone : int, lines : int, description : String, time : long)
+Job(id : int, phone : int, lines : int, description : String, time : long, resolved : long)
+setNextId(next_id :int)
+toString() : void
…

JobsList

-jobs : Deque<Job>
-ccc : int
-tso : int
-average : long
-longest : long

+loadOpen() : void
+loadClosed() : void
+toString() :String
+getSize() : int
+getTotal() : int
+getTsoPercentage() : int
+getCccPercentage(): int
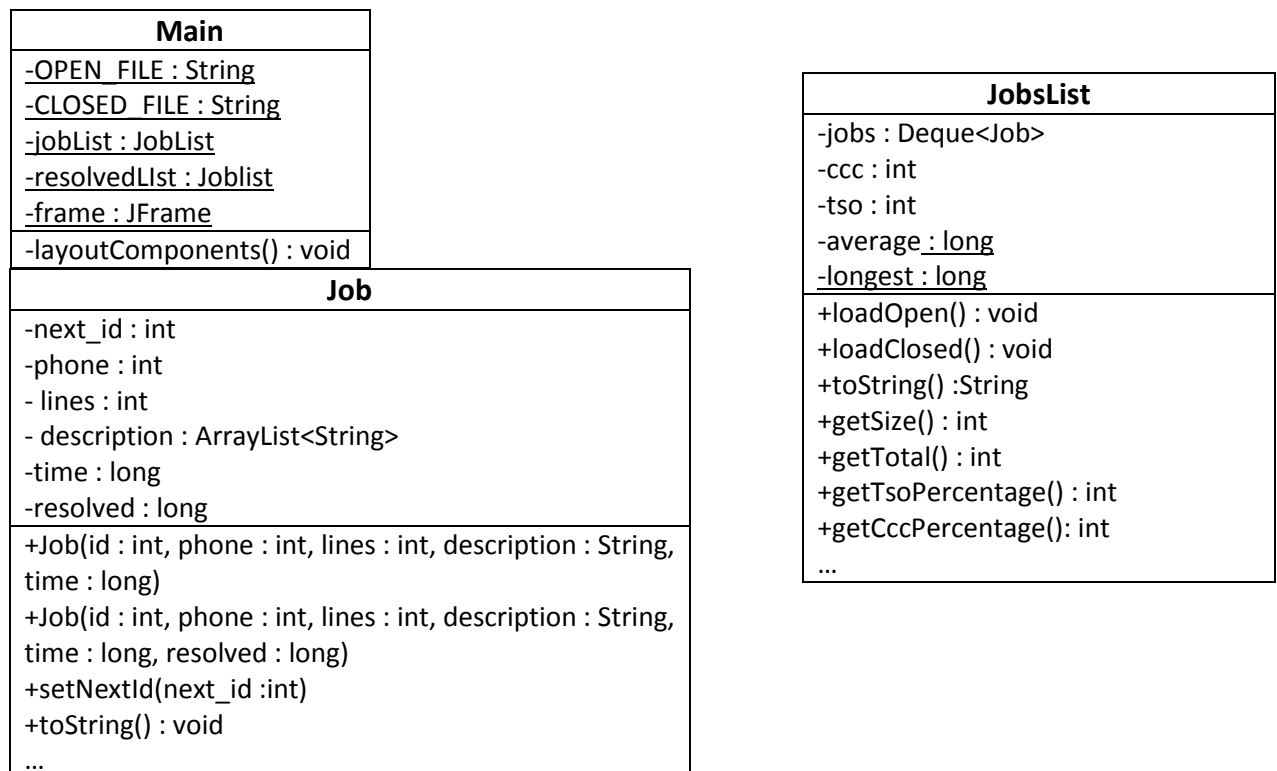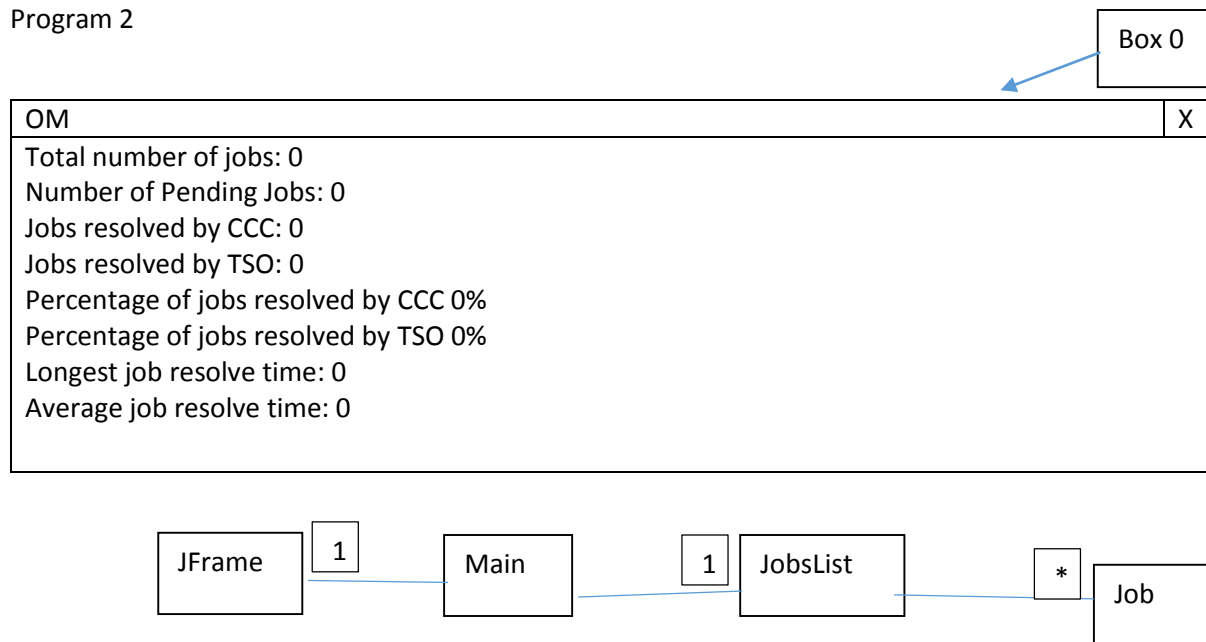…

The main class instantiates a new window and the JobLIst class then loads in all of the data from the two data files into the JobLIst. The JobList analyses all of the data putting it into the Job class so that the grouped data maybe saved into a collection and gives back the interpreted data as variables which are displayed in the Main frame.

The load method of the Joblist class doesn't work properly and won't load the data into the collection so the data cannot be properly analysed the file is being opened and the first line of data being read but as soon as it gets to the while statement where the condition is while there are more lines in the file keep reading and adding them to the collection the method just finishes.