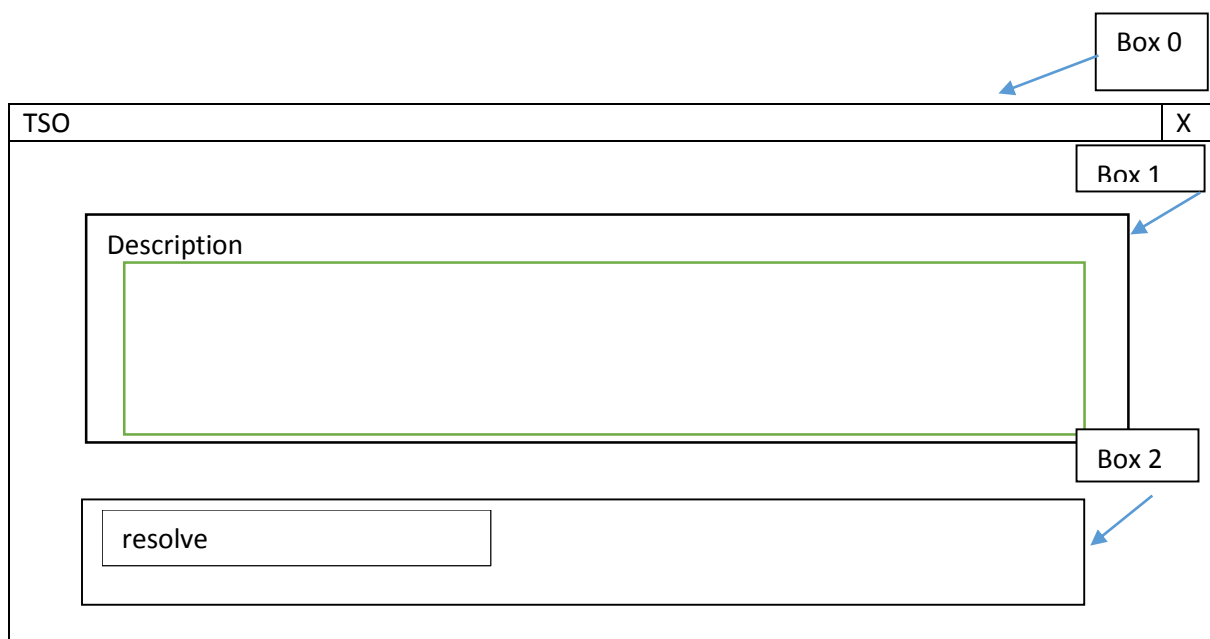
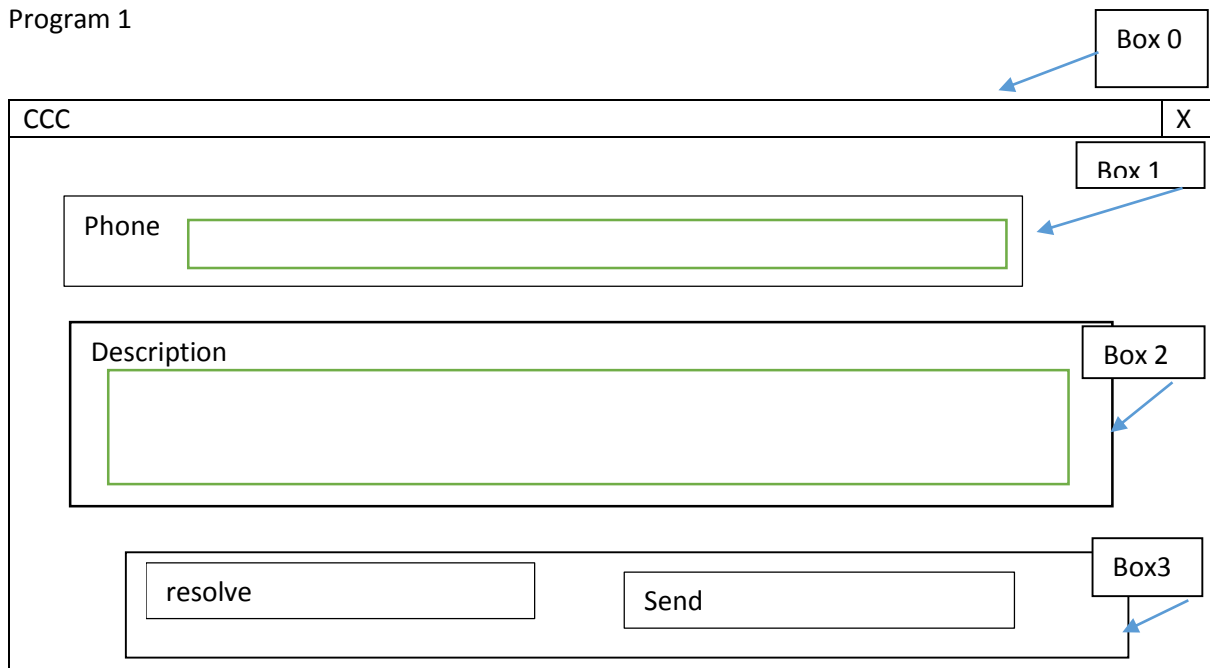
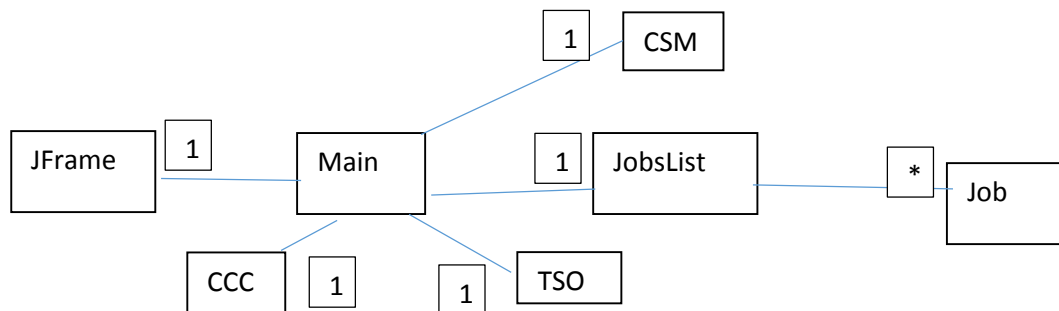
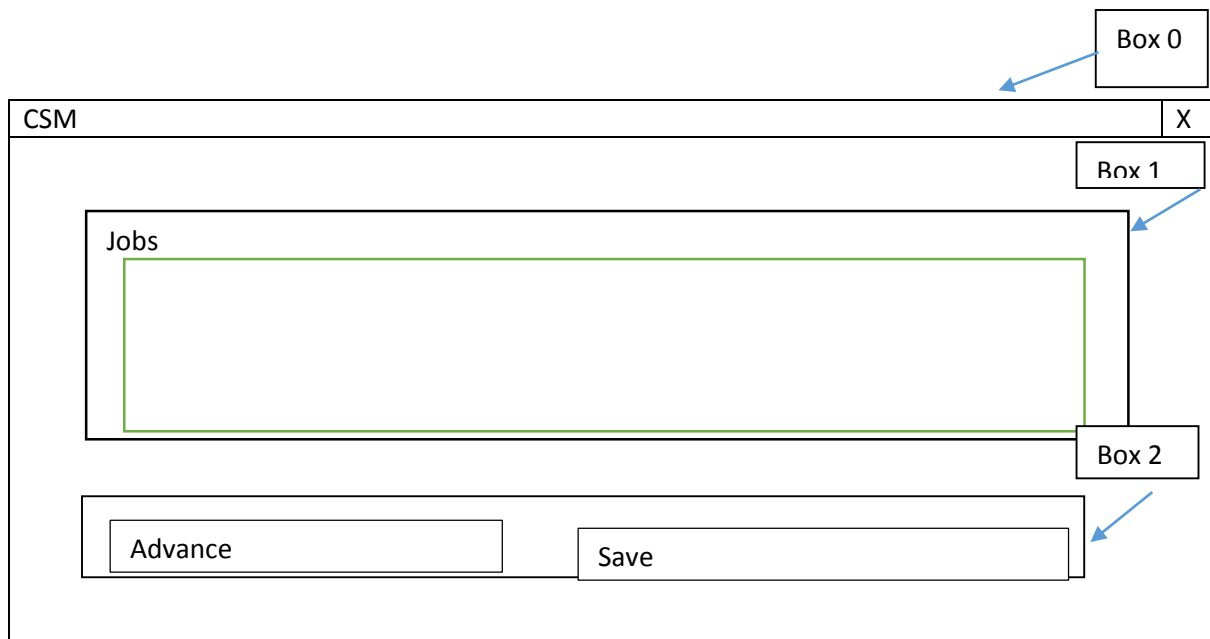


Program 1





| Main |
|-----------------------|
| -OPEN FILE : String |
| -CLOSED FILE : String |
| -jobList : JobList |
| -ccc : CCC |
| -tso : TSO |
| -csm - CSM |

| JobsList |
|---|
| -jobs : Deque<Job> |
| +load () : void |
| +save() : void |
| +send() : void |
| +advance(job : Job) : void |
| +resolve (id : int, phone : int, lines : int, description : String, time : long) : void |
| +resolve (phone : int, description : String) : void |
| +topJob() : String |
| +toString() :String |
| +getSize() : int |
| +getJobsI() : String[] |

| Job |
|--|
| -next_id : int -phone : int - lines : int - description : ArrayList<String> -time : long -resolved : long |
| +Job(phone : int, description : String) +Job(id : int, phone : int, lines : int, description : String, time : long) +setNextId(next_id :int) : void +getNextId() : int +getId() : int +getPhone() : int +getLines() : int +getDescription() : String +getTime() : long +toString() : void |

| CCC |
|---|
| <u>-frame : JFrame</u> <u>-phoneNumber : JTextFeild</u> <u>-description : JTextFeild</u> <u>-sendBtn : JButton</u> <u>-resolvebtn : JButton</u> |
| <u>-layoutComponetnts() : void</u> <u>-addListeners() : void</u> |

| TSO |
|--|
| <u>-frame : JFrame</u> <u>-description : JTextFeild</u> <u>-resolvebtn : JButton</u> |
| <u>-layoutComponetnts() : void</u> <u>-addListeners() : void</u> |

| CSM |
|--|
| <u>-frame : JFrame</u> <u>-description : JList</u> <u>-saveBtn : JButton</u> <u>-advancebtn : JButton</u> |
| <u>-layoutComponetnts() : void</u> <u>-addListeners() : void</u> |

The main class instantiates the JobList, CCC TSO and CSM classes then loads in the data files.

The JobList holds all of the data that gets entered by the CCC, TSO and CSM in Job objects put into a deque so that the Jobs can be stored together as a single object.

The CCC class brings up a window that contains a field for entering a jobs phone number and the description of the job. Those details can either be sent to the JobList for storage to then be accessed by a TSO or the data can be sent to the closed jobs file. All of the data sent from the CCC class is first packaged in the Job class as a Job object.

The TSO class is takes the first job from the Joblist class and displays all of its details in a window. The only option for the TSO is to resolve the problem.

The CSM class has a window with a list of all the job numbers inside of it these job numbers can be selected and then advanced to the top of the JobList for a TSO to get to quicker. The CSM class also has the button for saving the JobList to file.

The job class is the object that is used for convenient storage of jobs.

The load method of the JobList does not function correctly as it will only read the first line of the file then stop.

The actions listeners for the CSM JList have not been properly implemented.