The class conflict

SWITCH::= on | off

Report::= Name of the conflicts

Time: 8….18
Time > 0

Class_ID: N
Class_ID >0

student _ID: N
student _ID >0

Conlict: N
Conlict>0

TimeButtons
Input: 8...18 -> SWITCH

ClassButtons
Input: 1……N -> SWITCH

ReportButtons
Extput: 1…. Conlict -> Report
Report:
List of the conflicts with student_ID.

Complete state space
attempt #1

System
Elevator
TimeButtons
ClassButtons
ReportButtons

Conlict !=0
-> TimeButtons(NewTime)=on V
ReportButtons(NewTime)!=0

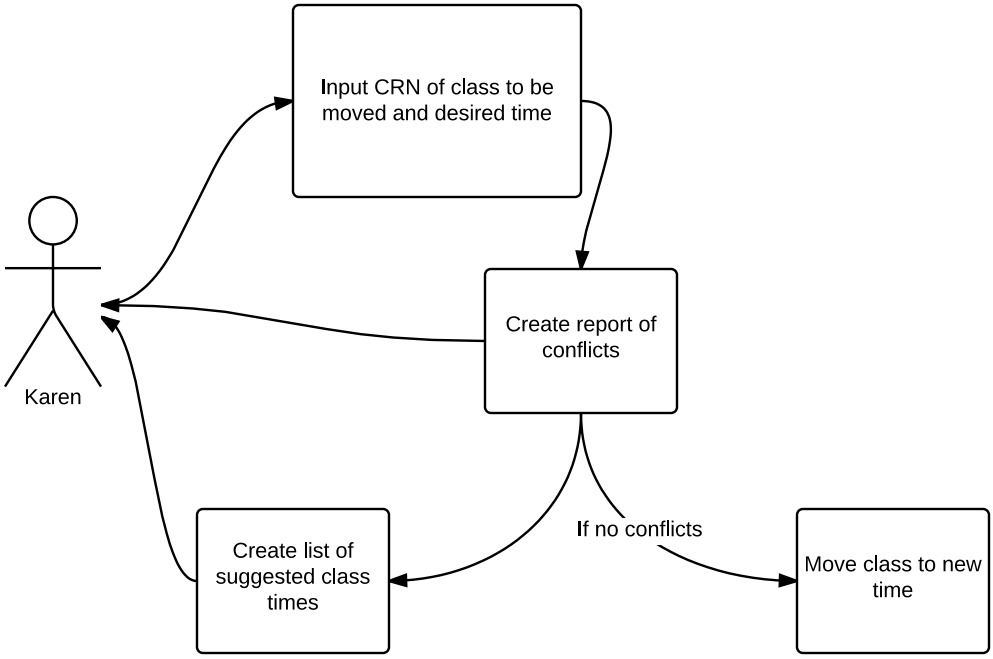
Complete state space
attempt #2

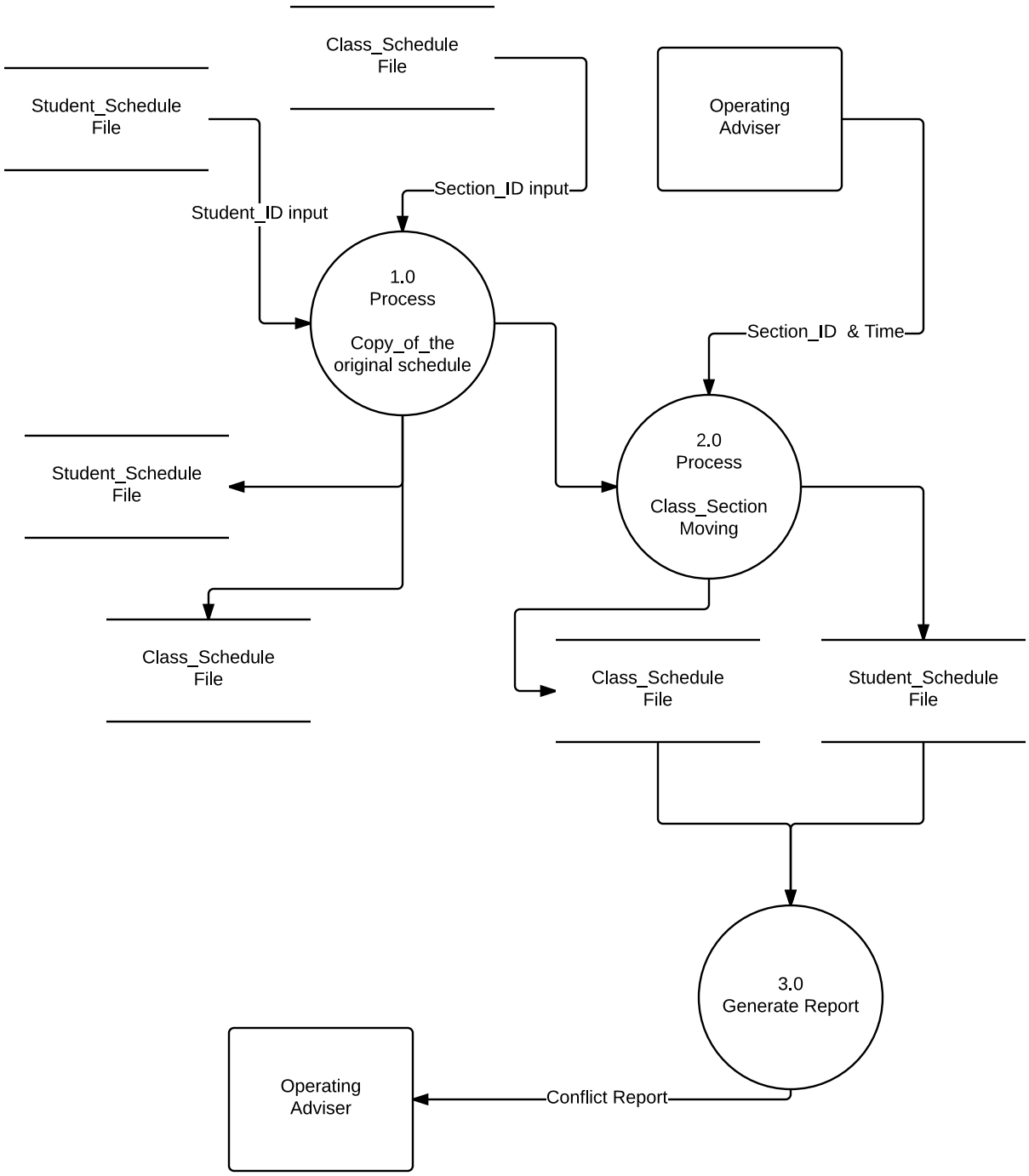
System
Elevator
TimeButtons
ClassButtons
ReportButtons

Conlict !=0
=> TimeButtons(NewTime)=on V
ReportButtons(NewTime)!=0
Conlict =0=>
(f:8…18 * TimeButtons(f)= off ^ ReportButtons(f)!=0)

Logic specifications
Class Conflict formula:

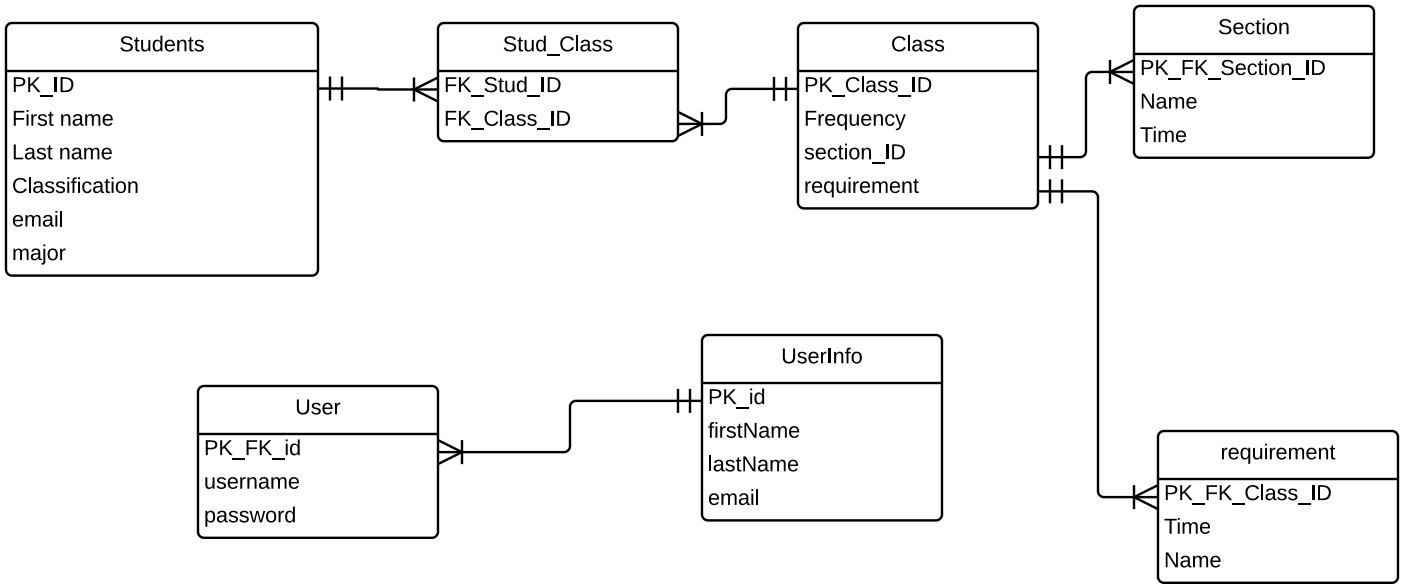
- New class time replace the old class time.
- Compare it to students schedules who are in the class.
- List all the conflicts from High priority to low priority
- Senior has the Highest priority then Junior then sophomore then freshman (class size will be considered afterwards)
- Reoport the number of conflicts.
- Suggest a new time

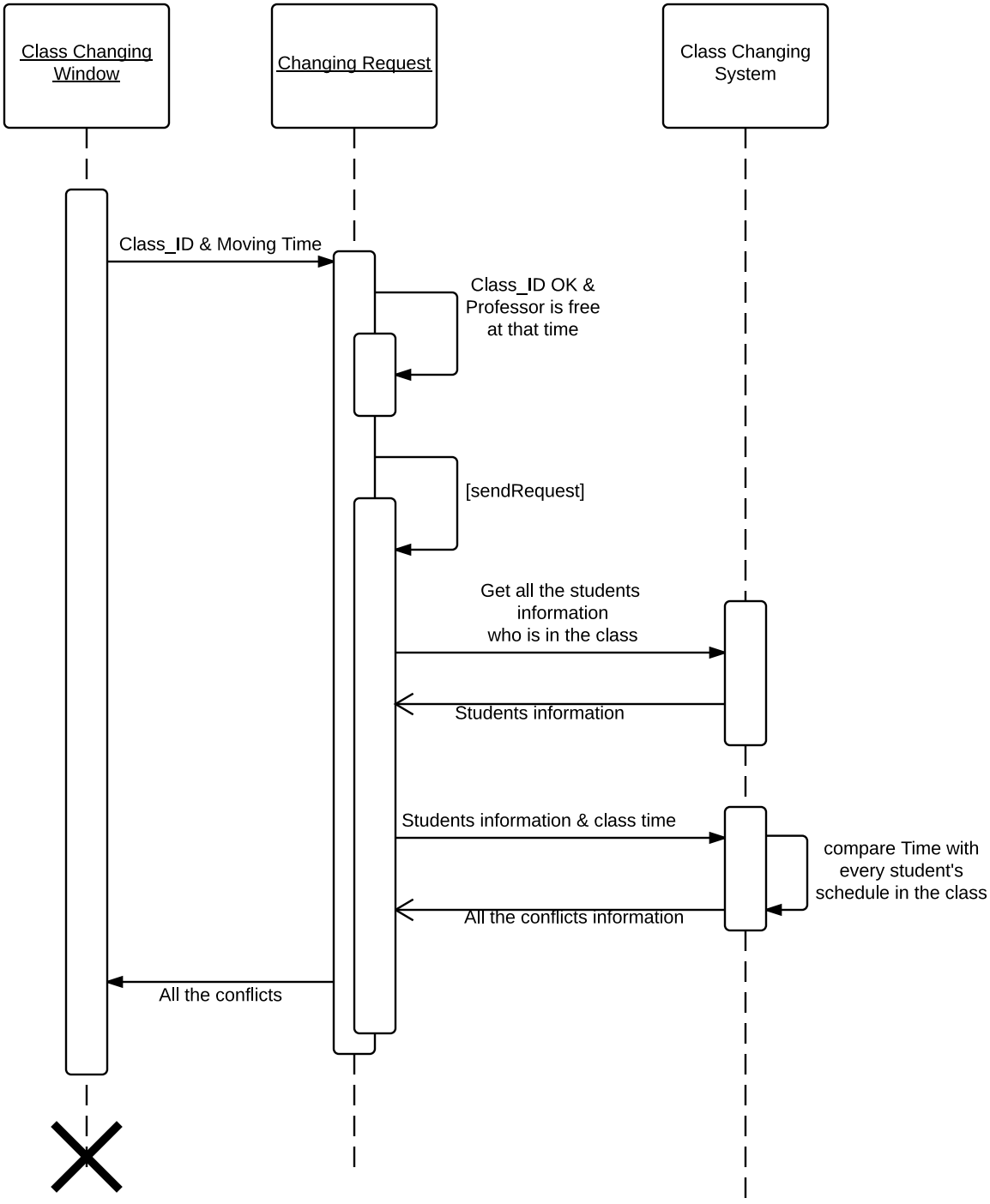

Input CRN of class to be moved and desired time
Karen
Create report of conflicts
Create list of suggested class times
If no conflicts
Move class to new time

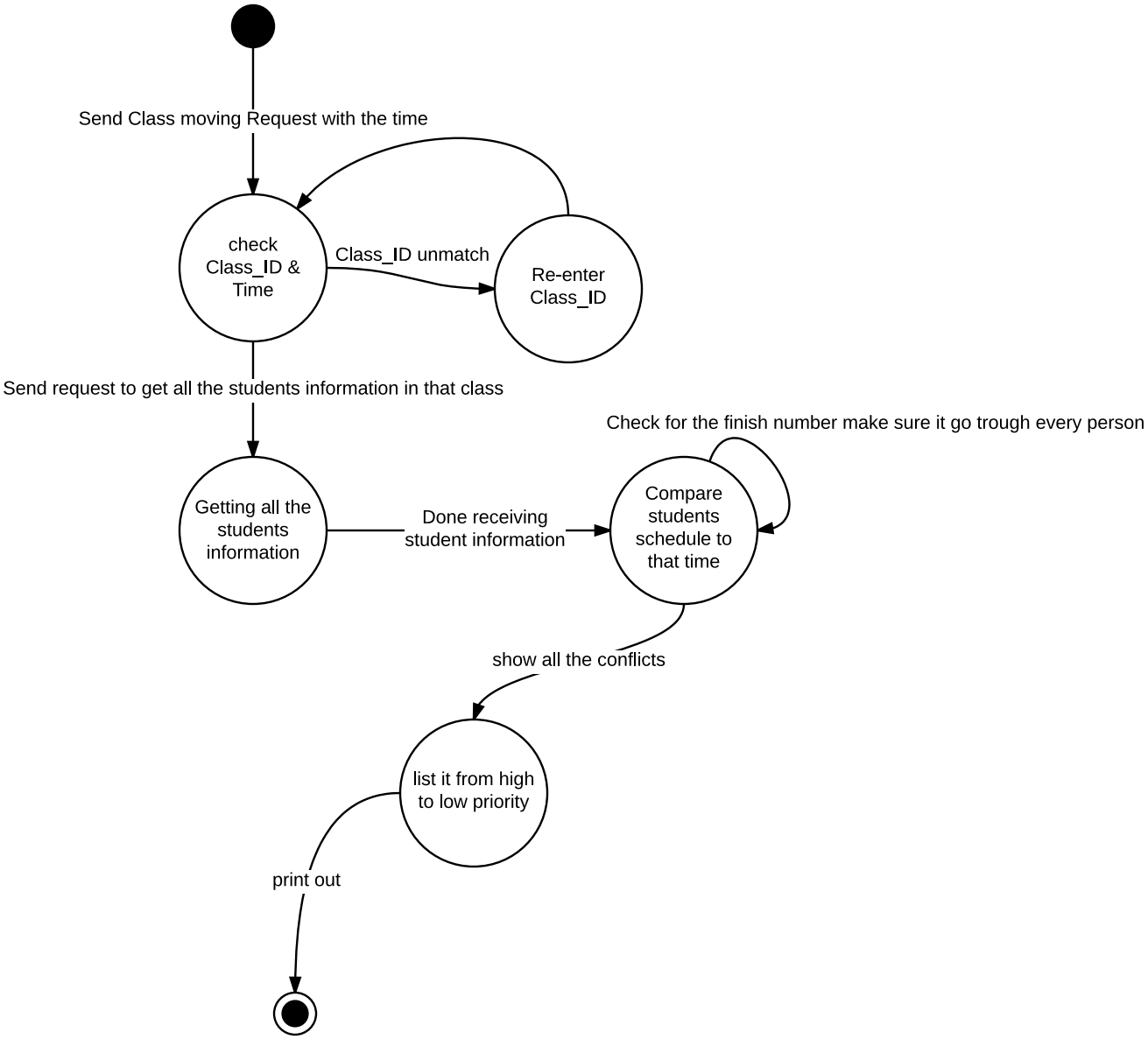

Class_Schedule File
Student_Schedule File
Operating Adviser
Section_ID input
Student_ID input
1.0 Process
Copy_of_the original schedule
Section_ID & Time
Student_Schedule File
2.0 Process
Class_Section Moving
Class_Schedule File
Class_Schedule File
Student_Schedule File
3.0 Generate Report
Operating Adviser
Conflict Report

Class Schedule

Entity Relationship Diagram




Class Changing Window
Changing Request
Class Changing System
Class_ID & Moving Time
Class_ID OK & Professor is free at that time
[sendRequest]
Get all the students information who is in the class
Students information
Students information & class time
compare Time with every student's schedule in the class
All the conflicts information
All the conflicts


Send Class moving Request with the time
check Class_ID & Time
Class_ID unmatch
Re-enter Class_ID
Send request to get all the students information in that class
Check for the finish number make sure it go trough every person
Getting all the students information
Done receiving student information
Compare students schedule to that time
show all the conflicts
list it from high to low priority
print out