1. We have two kinds of access: emergency and normal
2. Make some schedule for shift: (employeeID, departmentID, roleID, shiftID, siftStartDateTime, and siftEndDateTime)
3. In Normal: startAccessTime should be between siftStartDateTime and siftEndDateTime in the department
4. In emergency: the rule can be not applied, but the ReasonID should be not NULL and the patientID should be in the hospital
5. The default difference between startAccessTime and endAccessTime: 0-15 minutes
6. For other cases, e.g. in operation, the difference can be longer maybe until the operation ends
7. employeeID: between 1-300
8. patientID: between 1-300
9. prefix for employee: E+id
10. prefix for patient: P+id
11. activityID: A+id
12. ipAddress: normal id address between the network
13. Define the range of the network by the department
14. employeeDepartmentID: ED+id
15. employeeOrganizationID: O+id
16. we will use 2 kind of organizations foe now: inside and outside
17. patientDepartmentID: PD+id
18. osID: the default will the same for organization/department/employee
19. deviceID: the default will the same for employee
20. browserID: the default will the same for organization/department/employee
21. roleID: it depends on the shift
22. ReasonID: only mandatory in emergency
23. shiftID: it depends on the shift
24. siftStartDateTime: it depends on the shift
25. siftEndDateTime: it depends on the shift
26. CRUD
27. AccessControlStatus
28. SessionID: