1. Идея на проекта

   Идеята на проекта е да се изгради онтология в предметната област на болничните отделения.
   Крайните цели са:
   - да се улесни класифицирането на ново отделение
   - по-бързо намиране на правилното отделение за постъпващ пациент

2. Елементи на онтологията

Класове

Doctor   Team
Nurses   Team

Team   [AND Person
          [FILLS :isPartcipatesIn AdministrativeDepartment]]

Patient   [AND Person]

AdministrativeDepartment   [AND
                             [EXISTS 1 :hasTeam]
                             [EXISTS 1 :isCreatedBy]]

OutpatientDepartment   [AND AdministrativeDepartment
                         [FILLS :hasTeam Doctor]
                         [FILLS: outSources Patient]]

MedicalDepartment   [AND AdministrativeDepartment
                      [FILLS :hasDivision Surgery]
                      [FILLS :hasDivision Gynaecology]
                      [FILLS :hasDivision Dental]
                      [FILLS :hasDivision Neurology]]

PathologyDepartment   [AND AdministrativeDepartment]
                        [FILLS :hasDivision BacteriologyLaboratory]
                        [FILLS :hasDivision Biochemistry]
                        [FILLS :hasDivision HaematologyLaboratory]
                        [FILLS :hasDivision ParasitologyLaboratory]
                        [FILLS :hasDivision SerologyLaboratory]
                        [FILLS :hasDivision BloodBank]
                        [FILLS :hasDivision HistopathologyDepartment]]

PharmacyDepartment   [AND AdministrativeDepartment
                       [FILLS :buy MedicalSupplies]]

BusinessManagement   [AND AdministrativeDepartment
                       [EXISTS 1: AdmittingDepartment]
                       [EXISTS 1: Administration]]

BacteriologyLaboratory   [AND PathologyDepartment]

Biochemistry   [AND PathologyDepartment]

HaematologyLaboratory   [AND PathologyDepartment]

ParasitologyLaboratory   [AND PathologyDepartment]

SerologyLaboratory   [AND PathologyDepartment]

BloodBank   [AND PathologyDepartment]

HistopathologyDepartment   [AND PathologyDepartment]

DepartmentChair   [AND Person
                              [FILLS :leads AdministrativeDepartment]]

Director   [AND Person
                    [FILLS :leads DepartmentChair]]

OutpatientDepartmenthair   [AND DepartmentChair]

MedicalDepartment   [AND DepartmentChair]

PathologyDepartment   [AND DepartmentChair]

Nurses   [AND Person]