

DATABASE SCHEMA

ENTITIES

Course(code, credit, name, department)
department -> Department.abbreviation

RestrictedCourse(code, maxStudents)
code -> Course.code

Department(name, abbreviation)

Branch(name, programme)
programme -> Programme.name

Student(ID, name, programme)
programme -> Programme.name

Programme(name, abbreviation)

Classification(name)

RELATIONSHIPS

prerequisite(course, requiredCourse)
course -> Course.code
requiredCourse -> Course.code

registeredOn(student, course)
student -> Student.id
course -> Course.code

hasFinished(student, course, grade)
student -> Student.id
course -> Course.code

hostedBy(programme, department)
programme -> Programme.name
department -> Department.abbreviation

programmeHasMandatory(programme, course)
programme -> Programme.name
course -> Course.code

branchHasMandatory(branch, programme, course)
(branch, programme) -> Branch.(name, programme)
course -> Course.code

hasRecommended(branch, programme, course)
(branch, programme) -> Branch.(name, programme)
course -> Course.code

studiesBranch(student, branch, programme)
student -> Student.ID
(branch, programme) -> Branch.(name, programme)

isOnWaitingList(student, course, dateRegistered)
student -> Student.ID
restrictedCourse -> RestrictedCourse.Code

hasClassification(course, classification)
course -> Course.code
classification -> Classification.name