

Exercise (JPA Relation III)

Create School management software

Teacher Class :

id , name , age , email , salary (Add all required validation) Address

Class :

area , street , buildingNumber (Add all required validation)

Course Class : id , name (all should not be

empty) Student

Class :

ID , name , age , major (all should not be empty)

One To One relations:

Teacher – Address

One To Many relations:

Teacher – Course

Many To Many relations:

Coursre - Student

Endpoints :

- Get all teachers
 - Add new teacher
 - Update teacher
 - Delete teacher
 - Add teacher address
 - Update teacher address
 - Delete teacher address
 - Get all courses
 - Add new course
 - Update course
 - Delete course
 - Get all students
 - Add new student
 - Update student
 - Delete student
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- Create endpoint that takes teacher id and return All teacher details
 - Create endpoint that take course id and return the teacher name for that class
 - Create endpoint that takes student id and major and change the student major (changing the major will drop all the courses that the student attended to)
 - Create endpoint that takes course id and return the student list