5 Design a course registration platform

Objects:

Course:

    Data: Name, Time, Professor, ClassRoom, Requirement, AvailableSeats, TotalSeats, Credit

Behavior: hasSeat,

Student:

    Data: StudentID, Name, Address, Email, RegisteredCourses,

    Behaviors: registerCourse, dropCourse, listRegisteredCourses

Platform (Which hold information about courses and students)

    Data: students, courses,

    Behavior: searchCourses, register, login

RegisterCourse

Platform neuPlatform;

Student peter;

Course courses;

// First register or login the platform

If peter not register in neuPlatform:

    neuPlatform. register(peter)

neuPlatform.login(peter)

// Begin to choose peter's favorite course

courses = neuPlatform.searchCourses()

for every course in courses:

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    if peter like this course and course. hasSeat():
        peter. registerCourse(course)


// peter would like to check the courses again
courses = peter. listRegisteredCourses()
for every course in courses:
    if peter don't like this course:
        peter. dropCourse(course)
```