Design a course registration platform

Student can:

1.Log in

2.search course based on parameters(courseName, courseId, teacherName)

3.register courses

4.cancel register

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Class: Student

States: studentId, name, grade, loginPassword

Behavior:

login(studentId, loginPassword){

if(studentId is correct && loginPassword is correct){

system.out.println(“log in successful”)

}

Else{

system.out.println(“the studentId or loginPassword is incorrect, please try again”)

}

}

Behavior:

searchCourse(searchParams){

list<Courses> courses = PlatformService.search(searchParams);

}

Behavior:

registerCourse(){

registerDetail = PlatformService. registerCourse(courseId, classTime, teacherName, classroom)

}

Behavior:

cancelRegister(courseId){

platformService.cancelRegister(courseId);

}

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Class: Platform

State: courseName, teacherName, courseId, courseRemainSeatNumber

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Class: PlatformService

Behavior:

Search(searchParams){

List<Course> availableCourses

List<Course> courses

For(i=0; i< courses.size(); i++){

If(courseRemainSeatNumber!=0) {

availableCourse.add(course.get(i));

}

}

Return availableCourses;

}

Behavior:

registerCourse(courseId, classTime, teacherName, classroom){

return registerDetails;

}

Behavior:

cancelRegister(courseId){

system.out.println(“your registration has been canceled”)

}