Problem: Design a course registration platform:

Objects:

Student:

Data: Name, School, StudentId

Behaviors: login(), search(), register(), logout()

School:

Data: Name

Behaviors: authorizeReristration()

Platform:

Data: Name

Behaviors:

Course:

Data: ProfessorName, Crn

Behaviors:

Calender:

Data: calender

Behaviors: showDate()

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Sequnece of invoking behaviors on objects:

Student mihir;

School northeasternuniversity;

Platform myNeu;

Course applicationengineeringanddevelopment;

Calender calender;

RegistrationStatus response;

mihir.login 🡪 myNeu

myNeu = platform

if mihir.loginSuccessful

mihir.searchCourses 🡪 mihir, courses, search : myNeu

if coursesFound

mihir.browseCourses 🡪 mihir, informationsystems, browse : myNeu

mihir.getCrn 🡪 mihir, informationsystems, aed, Crn : browseCourse

loop

mihir.addCrn 🡪 aed, Crn : registerCourse

if course.seatNotAvailable

mihir.cannotRegister

end

if course.addedSuccesfully

mihir.addToSummary 🡪 mihir, aed, registerCourse

break;

end

end

mihir.submit 🡪 mihir, aed, courseRegistrationSuccessful

calender.displaySchedule

else

mihir.incorrectCredentials

end

else

mihir. notAuthorizedToRegister

end