

Design a course registration platform

Objects and Behaviors

User:

Data: name, studentId, major

Behavior: search, register, loginTo

Platform:

Data: authorization, collection of courses, courseCapacity, confirmation, major

Behavior: authorize, search, remindOfNoSpace, makeConfirmation,

Sequence of Flow

User jimmy

Platform courseReg

jimmy.loginTo → courseReg.authorize, studentId: authorization

if (authorization = ture)

 jimmy. search → courseReg.search ,major, collection of courses: course, courseCapacity

 If collection of courses = 0

 return jimmy.cantRegister

 Loop

 if courseCapacity = 0

 courseReg.remindOfNoSpace

 collection of course = collection of course - thiscourse

 jimmy. search → courseReg.search ,major, collection of courses: course, courseCapacity

 If collection of courses = 0

 return jimmy.cantRegister

 end

End

jimmy.register → course.RegmakeConfirmation ,studentId :confirmation

courseCapacity = courseCapacity - 1

return confirmation

else

return jimmy.cantRegister

end