

Project Proposal

Kuis Classroom Project

What is the problem that we want to solve?

There is a common problem at Koç University that every student suffers from. We cannot find a place to study ! Especially during exam weeks, the library is always full. The best solution is to find a classroom to study. But, there are PS hours, lectures and laboratory sessions until 7 pm in some classrooms. It is very difficult to find which classroom is not scheduled for lectures.

What is the current solution ?

When we want to check if a classroom is empty or not within a specific time, the normal procedure will be this.

1. Kuis -> Class Search -> Choose a day -> Filter the attributes to become generic and adequate enough for showing results (ex: Min credit: 0 and Max credit: 100) -> Press Search Button -> From reloaded page, press CTRL+A and CTRL+F. -> Type the classroom name that you want to find its lecture schedule -> Repeat this process until you find a classroom that is available!
2. Or just randomly wander around and check the classrooms by opening the door.

What does our program suggest to automate this ?

We basically write a Java program for given CTRL+A copy pasted data of the selected day; and with using regex, parse the data as a convenient form to be placed in the database. (We will use firebase).

After that, our IOS program pulls the data from the database and, with proper filtering, users can see when a classroom is available for a given time.

Disclaimer: Our program only shows the classrooms that there are no scheduled classes. Classrooms that you want to study will be reserved for club activities or classes that were not specified in the KUSIS. Or the classroom will already be taken with some other students in order to study just like you. At that time you can decide what to do 😊