**Peer-review of the initial project pitch**

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| Group members |  |
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In this peer-review, place yourself in the shoes of the client and consider what you, as the client, would think about the project pitch. (The project pitch hopefully describes who the client is, but if not try to identify who the client would be.) Answer the following questions.

**Is the project idea clearly presented? Who is the client?**

Yes. This project is about to optimize the class enrollment system, and the client is the Registrar Office.

**Does the proposed mathematical optimization model make sense? Do you think the choice of decision variables, constraints and objective function are reasonable for the problem?**

I think this optimization model makes sense. The variables are the flow edges indicating if a student will enroll in a certain class. The constraints are class capacity, minimum and maximum classes should enroll in each semester, schedule accessibility, and degree requirement for a student. The objective is to maximize the total ranking value of the whole student group, which stands for students can enroll in their most interested classes.

The variable and objective function are reasonable for this problem, but I think the constraints are not clear enough in this case.

First, they mentioned the intervals between classes, and I am not super clear if this is about a student cannot enroll in two classes with any overlapping at time span. Otherwise, it could be a constraint that a student may not take two classes which only has a few minutes in the between but located at a far distance. But I will support the system leave this question to students to consider.

Second, they mentioned the degree requirements, and I think they would better describe this more clearly. I mean, a junior student and a senior student both have a certain class for degree requirement in this case may not have the same priority in enrollment, so what is the constraint to give the senior student more priority, or even guarantee his enrollment?

Third, I think current enrollment system also has priority for students. For example, the CS students can enroll in CS classes ahead of others. I think this is also a factor we need to consider in this problem.

Finally, if they would like to simulate student’s data, a good suggestion is to also consider the students’ statues, or “a senior at CS but haven’t taken CS 537” for instance. Also, how to deal with a case such as a student with certain degree requirements also has a strong interest in that class, etc., also requires consideration.

**Does it seem like the necessary data (to define the problem parameters) will be available? Does the group have a plan for gathering the necessary data?**

They do have clear plan for acquiring data. The class information can be got from Registrar Office, so it is certainly available. The students’ data could be simulated.

**Is the problem interesting? Are there any results/analysis that you would like to see from this group in their final report?**

**In general, what do you like about the project?   
(List at least two things that are good)**

1)

2)

**In general, what would make the project even better/more creative/more interesting?   
(List two concrete suggestions)**

1)

2)