

# Appendix

## Evidence of client consultation

Evidence 1 date: 6 X 2024



[Redacted]

do mnie ▾



Przetłumacz na polski



Dear Student,

the aim of the program I need: assignment of classrooms to the groups in the weekly schedule.

I want to upload: 1) an Excel file or a google spreadsheet with a weekly schedule with the time of the lessons and parallel classes

2) the size of each group

I want your program to assign classrooms to the groups regarding:

- the size of the group and the size of the classroom;
- personal preferences of teachers;
- digital screen availability required on given subjects
- homeroom hours in the homeroom classrooms.

I also want it to inform me which classes are empty during each hour.

Until now I produced such assignments by hand, I deeply believe that a computer can do it as well.

Best wishes,

[Redacted]

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Evidence 2 date: 23 X 2024

[Redacted]

do mnie ▾

śr., 23 paź, :



Przetłumacz na polski



Dear [Redacted]

I attach a plan in one of the versions when the classrooms are not yet assigned and a ready plan with classrooms assigned.

I hoped that your program could actually be used and produce something that could bring us a quick solution in replacement of my work.

The map idea seems creative but not practical. The plan with assignment cannot be easily printed in such a way that the lessons will be visible at once.

Best wishes

[Redacted]

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2 załączniki • Przeskanowane przez Gmaila ⓘ

X DP plan 24\_25.xlsx

X DP plan 24\_25 we...

Evidence 3 date: 12 XI 2024

The sample Excel file which I showed:

|  |                  |      |            |                         |      |            |   |          |            |  |
|--|------------------|------|------------|-------------------------|------|------------|---|----------|------------|--|
| AutoSave Off example.xlsx  |                  |      |            |                         |      |            |   |          |            |  |
| File Home Insert Page Layout Formulas Data Review View Automate Developer Help |                  |      |            |                         |      |            |   |          |            |  |
| Clipboard Font Alignment Number Conditional Formatting Format as Table Norm    |                  |      |            |                         |      |            |   |          |            |  |
| A1 DP1 LESSON  |                  |      |            |                         |      |            |   |          |            |  |
|  | A                | B    | C          | D                       | E    | F          | G | H        | I          |  |
| 1  | DP1 LESSON       | SIZE | TEACHER ID | DP2 LESSON              | SIZE | TEACHER ID |   | TEACHER  | TEACHER ID |  |
| 2  | Biology HL       |      |            | Biology HL              |      |            |   | teacher1 | 1          |  |
| 3  | Biology SL       |      |            | Biology SL              |      |            |   | teacher2 | 2          |  |
| 4  | Business man. HL |      |            | Business man. HL        |      |            |   | teacher3 | 3          |  |
| 5  | Business man. SL |      |            | Business man. HL (Biol) |      |            |   | teacher4 | 4          |  |
| 6  | Chemistry HL     |      |            | Business man. HL (CS)   |      |            |   | teacher5 | 5          |  |
| 7  | Chemistry SL     |      |            | Business man. SL        |      |            |   |          |            |  |
| 8  | Computer science |      |            | Chemistry               |      |            |   |          |            |  |
| 9  | Econ SL+HL       |      |            | Comp. Sc.               |      |            |   |          |            |  |
| 10   | Economics HL     |      |            | Comp. Sc. (BM')         |      |            |   |          |            |  |
| 11   | Economics SL+HL  |      |            | Comp. Sc. (BM)          |      |            |   |          |            |  |
| 12   | English A HL     |      |            | Econ HL                 |      |            |   |          |            |  |
| 13   | English A SL+HL  |      |            | Economics HL            |      |            |   |          |            |  |
| 14   | English B        |      |            | Economics SL            |      |            |   |          |            |  |
| 15   | French HL        |      |            | Eng A HL                |      |            |   |          |            |  |
| 16   | FrenchB SL+ HL   |      |            | English A HL            |      |            |   |          |            |  |
| 17   | Geography SL+HL  |      |            | English A SL+HL         |      |            |   |          |            |  |
| 18   | German B SL      |      |            | English B               |      |            |   |          |            |  |
| 19   | HR 1B            |      |            | French B HL             |      |            |   |          |            |  |
| 20   | HR 1C            |      |            | French B SL+HL          |      |            |   |          |            |  |
| 21   | HR 1D            |      |            | German B HL?            |      |            |   |          |            |  |
| 22   | History          |      |            | German B SL+HL          |      |            |   |          |            |  |
| 23   | Math AA HL       |      |            | History                 |      |            |   |          |            |  |
| 24   | Math AA SL       |      |            | Homeroom                |      |            |   |          |            |  |
| 25   | Math AI HL       |      |            | Math AA HL              |      |            |   |          |            |  |
| 26   | Math AI SL       |      |            | Math AI HL              |      |            |   |          |            |  |
| 27   | Math Math AA HL  |      |            | Mathematics             |      |            |   |          |            |  |
| 28   | Physics SL+HL    |      |            | Physics                 |      |            |   |          |            |  |
| 29   | Polish A         |      |            | Polish A                |      |            |   |          |            |  |
| 30   | Psychology       |      |            | Polish A HL?            |      |            |   |          |            |  |
| 31   | SEHS             |      |            | Psychology              |      |            |   |          |            |  |
| 32   | Spanish B SL     |      |            | SEHS                    |      |            |   |          |            |  |
| 33   | ToK czw 5,6      |      |            | Spanish B SL            |      |            |   |          |            |  |
| 34   | ToK czw 7,8      |      |            | Theatre HL?             |      |            |   |          |            |  |
| 35   | ToK pon 3,4      |      |            | Theatre SL+HL           |      |            |   |          |            |  |
| 36   | ToK pon 5,6      |      |            | Theatre SL+HL ?         |      |            |   |          |            |  |
| 37   | ToK śr 5,6       |      |            | ToK czw 3,4             |      |            |   |          |            |  |
| 38   | ToK śr 8,9       |      |            | ToK pon 1,2             |      |            |   |          |            |  |
| 39   | Visual Arts      |      |            | ToK pon 7,8             |      |            |   |          |            |  |
| 40   |                  |      |            | ToK śr 1,2              |      |            |   |          |            |  |
| 41   |                  |      |            | Visual Arts HL          |      |            |   |          |            |  |
| 42   |                  |      |            | Visual Arts SL+HL       |      |            |   |          |            |  |

Discussion description (not exact wording):

Me: Since the chairs are often moved from classroom to classroom, how should I calculate the number of places in a classroom?

Mrs. Client: That is true, count the desks in classrooms and on that basis assign the size of the classroom

Me: I need to somehow add a group size, but also what teacher will lecture, I thought about creating an Excel file that will gather such data from you, does this solution suit you? (showed how the file looks like)

Mrs. Client: Yes, I think that's a great idea and the file looks intuitive.

Me: Should this table be inside the program or in the Excel file?

Mrs. client: As you wish.

Me: Instead of writing the teacher's name and surname I created a list of all teachers and assigned ID next to it, as during writing the full name and surname an error might occur, which would crash the whole program, does this solution fit you?

Mrs. Client: Yeah, it is fine.

Evidence 4 date: 22 XI 2024

Then I shared with the client updated idea and vision for program

The screenshot shows a software window titled "ADD PREFERENCES". It contains two main sections: "EDIT TEACHER" and "EDIT CLASSROOM".

**EDIT TEACHER Section:**

- A button labeled "EDIT TEACHER".
- A form with a text input "chose teacher", a dropdown menu "combo box", and a "load" button.
- A table with columns "Name", "save", and "status".
- Table rows: "Screen availability" (with "True" and "False" buttons), "Subject 1" through "Subject 6", each with a text input, a "save" button, and a "status" column.
- A button labeled "ADD TEACHER" at the bottom left.

**EDIT CLASSROOM Section:**

- A button labeled "EDIT CLASSROOM".
- A form with a text input "chose classroom", a dropdown menu "combo box", and a "load" button.
- A table with columns "Name", "save", and "value".
- Table rows: "Screen availability" (with "True" and "False" buttons), "Size" (with a text input, a "save" button, and a "value" column).
- A button labeled "COME BACK" at the bottom right.

Images shown, discussion description (not exact wording):

(I showed my rework idea on how I see the program to work, meaning a drop-down list to gather edited information about classrooms and teachers instead of an Excel file which will load the saved information)

Me: I have changed a bit the idea of the program, as I thought it would be more suitable to gather all information about the teachers inside the program, do you like this change?

(showed a painted picture above)

Mrs. Client: Yes, I believe it looks good and I like it, but I have a few problems with this idea. I understand the new process of editing and adding teachers, but you forgot about removing teachers from the program's memory. Also, I want to be able to include "Classroom Preference" for each teacher, so the program will assign them there if possible.

Me: Yes, I understand, do you think that the drop-down list such as discussed for classrooms and teachers loading will suite you?

Mrs. Client: Yes, I think it will.

Me: And of course, I will add the "Classroom Preference" option

Mrs. Client: Good, unfortunately, I see another error, the program provides for the introduction of up to 6 subjects, while our TOK teacher has more than 10 of them.

Me: I see, I will figure something out.

Evidence 5 date 27 XI 2024

Consultations conducted during the early stage of program development:

Me: I have added a teacher-removing function and also I have included the option to enter TOK teacher preferences.

Mrs. Client: Great, now it is good.

(then I showed how the program works including every section (only window transitions))

Mrs. Client: Yes, it is going in a good direction, however, I think you can resign from the settings section. I do not need the possibility to change the names of the buttons or change the theme, as well as, the part regarding displaying the information about the situation at a given hour on the image representing our building, you can resign of that as it is not the aim of the program. I need it to assign classrooms to classes and please focus on that.

Me: Okey

Evidence 6 date

Program handover