

Criterion E: Evaluation

Success Criteria:

Criteria	Done?	Comments
Check if the required files are accessible at startup.	Yes	There were no problems with missing required files for any of the users.
Allow to choose an input file.	Yes	
The program needs to check if the input file is the correct variation	Yes	The program correctly identified the wrong files and pointed the students to find the correct file.
Allow to select between French and German	Yes	
The program allows the client to select IB lessons from group 1 to 6	Yes	
The program checks if all the field are selected properly before converting.	Yes	The program alerts the user if all the fields are not filled.
The program converts the given input file to an output file based on the standards given by the client. The program refers to a dictionary file for checking name mappings.	Yes	Although some students' specific lesson choices created problems, all the students were able to convert their transcripts.
The program gives an error message if the conversion fails at any point.	Yes	I didn't get any complaints for any conversion failures from users, however my deliberate test did give error messages as expected
The program allows the client to choose where and with which name to save the output file.	Yes	No user had any problem with saving files
The program gives an error if there is an error while writing the output file.	Yes	Some antivirus software was problematic in this part but the error message telling the users about it was enough for the issue.
The program asks to try saving the output file again if there was an error.	Yes	This worked nicely both during testing and user use.
The program's dictionary file, which is a database which includes lesson mapping from e-okul to IB system, is possible to edit by the client	Yes	During the development we did have to change this part with my client, as my client mentioned again in the final feedback session too.

Recommendations for Further Development

After fixing some of the errors the program worked correctly for all of the users.

Using the program will be easier in the next year's as the administration will try to make the e-okul system more friendly for the program.

If the program encounters an issue in some parts of the program, like not finding an expected field or failing to save a file, it ignores the error or, after a dialog, closes. These errors could be handled better.

The program can be improved to be able to work with other types of excel files taken from the e-okul system, as my client had to deal with student's requesting wrong files and later requesting another file after seeing the error.

The dictionary file and the output template file needs to be edited manually if any lessons names are changed. A UI can be made to handle this.

The program need 4-5 minutes to convert files. A more efficient algorithm can shorten this time considerably.

Word count: 508