REQUIREMENT ANALYSIS DOCUMENT

Vision:

software for processing and analyzing Zoom poll reports and helping instructors to detect attendance, poll answers, and give a full report for the student performance during the semester.

Scope:

The Poll Analyzer project provides:

- First, we provide GUI so the user can use it to upload all the required files (student list, attendance, and questions polls)
- Then the user can use the GUI to start analyzing.
- After the user finishes entering the file the program will start with reading all student data from the student list excel file.
- The program will read all the poll reports and match the names in them with names in the original student list.
- The program will support attendance detection even if we don't have an attendance poll for a specific day.
- If we have attendance poll report and question poll report on the same day the program will detect the attendance from both of the reports in case any student attends only the questions poll.
- For each question poll, the program will provide reports with all students who take the course and their grades on each question and total grade and a grade percentage.
- The program at the end will provide one report containing students' information and their grades at each question poll.
- Also, we will provide attendance reports and quiz reports containing charts showing the choice distribution and attendance rate for each day.

System constraints

The program provided a simple GUI so the user could easily interact with it.

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Glossary of Terms:

Poll Analyzer: model gives us reports and information about zoom polls.