Requirement Analysis Document

Our program receives csv files containing the questions asked by the professor, the answer keys to these questions, and the students' answers. We determine whether the answers are correct by reading this file, which enables us to understand the performance of the students according to each question. We create a database based on student information. While doing this, we read and write an excel file. Additionally, in this course we take each survey report or a folder as input. Finally we have created an excel file containing the order of student numbers. This file contains information about all correct / incorrect answer numbers, average of each student and percentage of each questionnaire. We also create a histogram chart and an excel file that shows the distribution of answers for each question. When we provide a second survey report as the second input, the first survey report analysis is still available. In this iteration, our program works as a command line tool.

Functional Requirements:

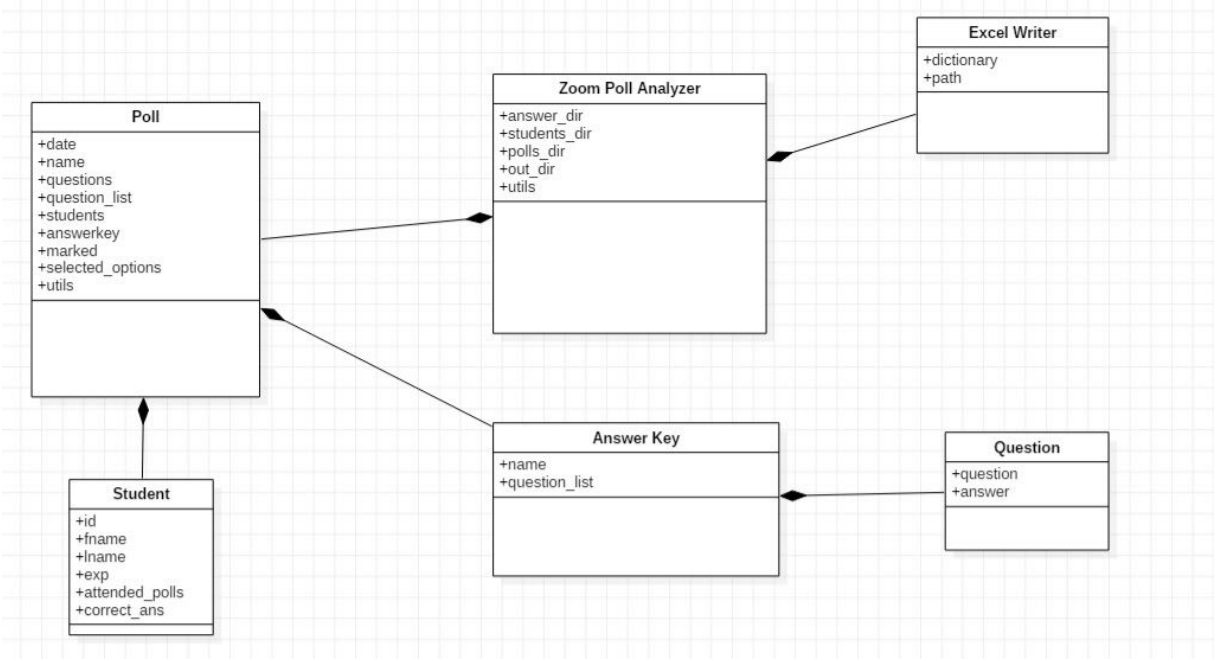
- Get csv file for questions
- Detects correct/wrong answers
- Detects student performance of each question
- Create database with student information
- Detects attendance performance for each student
- Create excel file as an output
- Create histogram chart as an output
- Performance reporting

- Gui interface
- compatible with windows and macOs
- showing results in gui window
- showing histograms and counts in gui window

Non-Functional Requirements:

There are no non-functional requirements.

Domain Model



Workload Distribution

We are 10 people;

Oğuzhan Tezel 150119670
Abbas Kutay 150119674
Ahmet Fatih Yüksel 150119660
Orhan Fatih Bayazıt 150119658
Harun Sarı 150119626
Ahmet Mengüç 150119722
Selahattin hüsmen 150119652
Selimhan Çakır 150119895
Emir buğra kılıç 150119672
Mümin Kocamaz 150119526