

PollAnalyzer
questions: List<Question> students: List<Student> polls: List<Poll> pollReports: List<PollReport> config:Config
 __init__(self) startAnalyzer(self):void readStudent(self):void readAnswerKeys(self):void createQuestion(self, String, String):Question readPollReports(self):void readPollReportsRow(self, dict, date, int, int, String, dict, dict, reader):Datetime, int findPoll(self, int, dict): List<Poll> addNewPollReport(self, date, List<>, dict):void createQuestionAndGivenAnswer(self, List<>, String, List<>): QuestionAndGivenAnswer findStudent(self, List<>) : Student findQuestion(self, String) :Question updatePollReports(self):void reformatName(self, String) :String reformatFile(self, String):void removeSpecialCharacters(self, int): String

Analyzer
pollOutput:PollOutput students: List<Student> pollReports: List<PollReport>
 __init__(self, List<Student>, List<PollReports>) startAnalyzing(self, Logger):void attendance(self):void calculateSuccessRate(self):void statisticsGraph(self):void

Config
pollReportDirectory: String answerKeyDirectory : String studentListDirectory: String
 __init__(self) readJson():dict

Poll
pollName: String questions:List<Question>
 __init__(self, String) addQuestion(self, Question):void

Question
correctAnswer:String questionText:String
 __init__(self, String, String)

PollReport
date:Datetime questionsInPollReport:List<QuestionInPollReport> questionsAndGivenAnswers:List<QuestionAndGivenAnswer> pollReportRows(): List<PollReportRow> poll :Poll
 __init__(self, Poll, date Time, List<QuestionsAndGivenAnswers>) splitPollReportRows(self):void fillQuestionsInPollReport(self):void findQuestionInPollReport(self, Question):Question

PollOutput
 __init__(self) creatingAttendanceFile(self, dict, Datetime):void createCalculateSuccessRate(self, String, int, dict):void outputSum(self, dict):void

QuestionInPollReport
question: Question answers:dict
 __init__(self, Question) appendAnswer(self, String):void updateAnswer(self, String):void

QuestionAndGivenAnswer
question: Question student: Student givenAnswer: String isCorrect: boolean
 __init__(self, Student, Question, givenAnswer) checkQuestion(self):void

PollReportRow
student:Student questionsAndGivenAnswers:List<QuestionAndGivenAnswer>
 __init__(self) setStudent(self, Student):void addNewQuestionAndGivenAnswer(self, questionAndGivenAnswer):void

Student
firstName:String lastName:String studentNumber:String
 __init__(self, String, String, String)