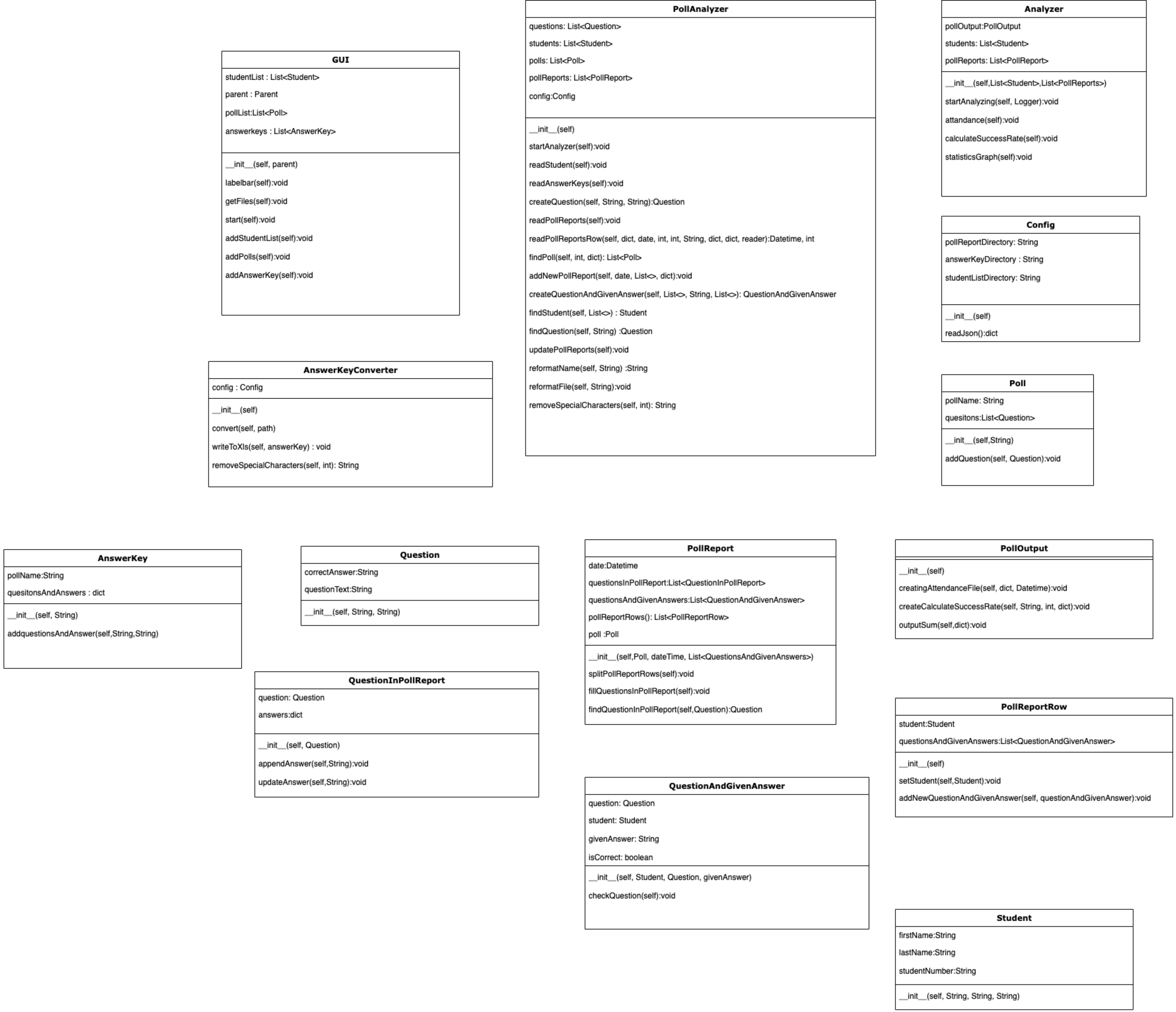

GUI

studentList : List<Student>
parent : Parent
pollList:List<Poll>
answerkeys : List<AnswerKey>

__init__(self, parent)
labelbar(self):void
getFiles(self):void
start(self):void
addStudentList(self):void
addPolls(self):void
addAnswerKey(self):void

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
attandance(self):void
calculateSuccessRate(self):void
statisticsGraph(self):void

Config

pollReportDirectory: String
answerKeyDirectory : String
studentListDirectory: String

__init__(self)
readJson():dict

AnswerKeyConverter

config : Config

__init__(self)
convert(self, path)
writeToXls(self, answerKey) : void
removeSpecialCharacters(self, int): String

Poll

pollName: String
quesitons:List<Question>

__init__(self,String)
addQuestion(self, Question):void

AnswerKey

pollName:String
quesitonsAndAnswers : dict

__init__(self, String)
addquestionsAndAnswer(self,String,String)

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, dateTime, 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

PollReportRow

student:Student
questionsAndGivenAnswers:List<QuestionAndGivenAnswer>

__init__(self)
setStudent(self,Student):void
addNewQuestionAndGivenAnswer(self, questionAndGivenAnswer):void

QuestionAndGivenAnswer

question: Question
student: Student
givenAnswer: String
isCorrect: boolean

__init__(self, Student, Question, givenAnswer)
checkQuestion(self):void

Student

firstName:String
lastName:String
studentNumber:String

__init__(self, String, String, String)