<<interface>> StudentStatistics Text

StudentStatisticsImpl

- + StudentStatisticsImpl();
- + addQuizScore(double); void
- + addRevisonScore(double); void
- + addIncorrectQuestion(List<Question>, Lits<String>); void
 - + getFinalVerdict(); String
 - + getQuizAverageScore(); double
 - + getQuizScores(); List<Double>
- + studentQuizHistory(); Map<Integer, Double>
 - + getLastQuizScore(); double
 - + getNumberOfAttempts(); int
 - + getNumberOfRevision(); int
 - + getIncorrectQuestion(); List<Question>

<<interface>> QuizGenerator

getQuestions(); List<Question>
takeQuiz(List<String>); double

QuizImpl

- $+\ createQuiz(List<Question>,\ int);\ QuizGenerator$
 - + getQuestions(); List<question>
 - + takeQuiz(List<String>); double

QuestionFactory

<<interface>> Question

getQuestionText(); String
isAnswerCorrectOrNot(String); boolean
getCorrectAnswers(); List<String>

FreeResponseQuestion

- + FreeResponseQuestion(String, String);
- + getQuestionText(); String
 + isAnswerCorrectOrNot(String); boolean
 + getCorrectAnswers(); List<String>
 + toString(); String

${\bf Multiple Choice Question}$

+ MultipleChoiceQuestion(String, Set<String>);

+ getQuestionText(); String
+ isAnswerCorrectOrNot(String); boolean
+ getCorrectAnswers(); List<String>
+ toString(); String

StudentFactory

+ createStudent(String, String, Date); Student

<<interface>> Student

getFullNameOfStudent(); String getDateOfBirth(); Date

StudentImpl

- + StudentImpl(String firstName, String, Date);
 - + getFullNameOfStudent(); String
 - + getDateOfBirth(); Date
 - + equals(Object); boolean
 - + hashCode(); int
 - + toString(); String