

<<Constants>> <<QuizDataInterface>> QuizDataManager
- static QuizDataManager instance - static final String DATA_FOLDER - static final String THEME_FILE_PREFIX - List<Theme> themes - List<Question> allThemeQuestions - List<Question> chosenThemeQuestions - List<Answer> answers
+ static synchronized getInstance() : QuizDataManager + getRandomQuestion() : Question + getAllThemes() : List<Theme> + getAllQuestions() : List<Question> + getQuestionsForTheme(theme Theme) : List<Question> + getAnswersForQuestion(question Question) : List<Answer> + saveTheme(theme Theme) : String + deleteTheme(theme Theme) : String + saveQuestion(question Question) : String + deleteQuestion(id int) : String + readThemeById(id int) : Theme + createNewThemeld() : int + createNewQuestionId() : int + getQuestionById(id int) : Question

<<interface>> Constants
+String DATA_FOLDER +String THEME_FILE_PREFIX +String NO_QUESTIONS_EXISTS +String FAILED_TO_CREATE_FOLDER +String NEW_FOLDER_CREATED +String ERROR_LOADING_FILE +String THEME_SUCCESFULLY_SAVED +String THEME_AND_QUESTIONS_SUCCESFULLY_DELETED +String ERROR_THEME_DELETE +String QUESTION_SAVED +String QUESTION_DELETED +String QUESTION_DELETING_NOT_POSSIBLE +String ERROR_BY_LOADING_THEME +String FILE_FOR_THEME_WITH_ID +String DOES_NOT_EXISTS +String THEME +String ERROR_SAVING_THEME +String QUESTION_ASSIGN_THEME +String THEME_FROM_QUESTION +String ERROR_SAVING_QUESTION

<<interface>> QuizDataInterface
+Question getRandomQuestion() +List<Theme> getAllThemes() +List<Question> getQuestionsForTheme(theme: Theme) +List<Answer> getAnswersForQuestion(q: Question) +String saveTheme(theme: Theme) +String deleteTheme(theme: Theme) +String saveQuestion(q: Question) +String deleteQuestion(id: int)

<<Serializable>> DataAccessObject
- int id
+ getId() : int + setId(id int) : void