Design Model::Postdesign_Project4_Class_Diagram **TriviaGame** -gameQuestions: ArrayList <Question> -bank: QuestionBank -generator: Random -counter: int -LIST_SIZE: int = 5 -thePlayer: Player +TriviaGame() +TriviaGame(Player) +getNextQuestion(): Question +evaluateAnswer(Question, String): boolean +addQuestions() +clear() +setCounter(int) +getCounter(): int +askQuestion(): Question 1 1 **Player** -realName: String -nickName: String -totalScore: int = 0+Player() +Player(String, String) +Player(Player) +getRealName(): String +setRealName(String) +getNickName(): String +setNickName(String) +updateTotalScore(int) +getTotalScore(): int +writeUserObject(): boolean -getFileName(): String +toString(): String

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QuestionBank -file: RandomAccessFile -FLAG_SIZE: int = 1 -QUESTION SIZE: int = 50 -ANSWER_SIZE: int = 20 -POINTS_SIZE: int = 4 -QUESTION_ID_SIZE: int = 4 -RECORD_SIZE: int = 79 -deleteFlag: boolean +QuestionBank() +displayMenu() +addQuestion(String, String, int) +listQuestions(): String +delete(int): boolean -write(int, Question) +parseUserSelection(int) -size(): int +fileSize(): int -open(): String +close() -find(int): int +getQuestion(int): Question -setFlag(boolean) -getFlag(): boolean

QuestionIncorrectDataException

- +QuestionIncorrectDataException()
- +QuestionIncorrectDataException(String)

Question

0..*

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- -question: String -answer: String
- -points: int
- -questionID: int -nextID: int = 1
- +Question()
- +Question(String, String, int)
- +Question(String, String, int, int)
- +getQuestion(int): String
- +setQuestion(String)
- +getAnswer(): String
- +setAnswer(String)
- +getPoints(): int
- +setPoints(int)
- +getQuestionID(): int
- +setQuestionID(int)
- -getNextID(): int
- -updateNextID()
- +toString(): String