

User
__ClassAttribute: -uid: Long_ -uname: String -email: String -passHash: String -puzzlesCreated : List(puzzleids) -puzzleTimes : List((puzzleid,time))
--playPuzzle() --browsePuzzles() --createPuzzle() --ratePuzzle() --displayPuzzleTime(PuzzleId) --submit(hint,answer)

Game
-uid : Long -playTime : Long -puzzle : Puzzle
-displayGame() -startGame() -completeGame() -acceptAnswer() -rejectAnswer() -promptRanking() -acceptRanking()

Puzzle
-puzzleId : Long -ratings : List(Rating) -rankings : List(Ranking)
-rerate() -rerank() -setBoard()

Ranking
-uid : Long -rank : Long -puzzle : Puzzle -time : Long
-display() -assignUser(User) -assignToPuzzle(Puzzle) -assignTimeToRanking(Time)

Rating
-ratingId : Long -puzzleId : Long -userId : Long -rating : Long
-assignToPuzzle(Puzzle) -display()

Question (Hint/Answer)
-qid : String -hint : String -answer: String -author : String -theme : List(String)
-display()