"Client → Server" Protocol

LoginRequest

-username: String -passwordHash: int

+setUsername(username:String) +getUsername(response:int): String

+getPasswordHash(responseTime:int): int

+toString(): String

AnswerResponse

-response: int

-responseTime: long

+getResponse(): int

+setResponce(response:int) +getResponseTime(): long

+setResponseTime(responseTime:int)

Client

QuizClient

-PORT: int

-connected: boolean

-loginReply: LoginReply

-currentQuestion: Question

-questionReceivedTime: long

-isStudentUser: boolean

-loginIsSuccessful: boolean

+main()

+run()

+getCurrentQuestion(): Question

+isConnected(): boolean

+getLoginReply(i:int): LoginReply

+loginIsSuccessful(): boolean

+isStudentUser(): boolean

+sendObject(object:Object): boolean

QuizRequest

-quizID: long

+getQuizID(): long

"Server → Client" Protocol

LoginReply

-loginSuccessful: boolean

-isStudent: boolean

-name: String

+isSuccessful(): boolean +isStudent(): boolean +equals(o:Object)

DisplayQuestion

-number: int

+getNumber(): int

Quiz

-quizID: long

-questions: Question[]

+setQuestions(questions:Quesion) +getQuestions(): Quesion[] +getQuestion(i:int): Question

+toString()

+equals(o:Object): boolean

StartQuiz

-quizStartTime: long

+getQuizStartTime(): long

Question

-question: String -answers: String[] -correctAnserPos: int

-questionID: int

+setQuestion(question:String) +setAnswer(i:int,answer:String)

+getQuestion(): Question +getAnswer(i:int): String +getAnswers(): String[]

+toString(): String +equals(o:Object): boolean

Score

-mark: int

+getMark(): int

Server

QuizClient

ClientThread

+run()

-PORT: int +main()

QuizJDBC

+main()

+getConnection(): Connection

+isUser(con:Connection,userID:int,password:String): LoginReply

+getQuiz(con:Connection,quizID:long): Quiz