User

-fullName : string
-email : string
-password : string
-userName : string
-progress : ProblemsProgress
-optional : OptionalInfo

+getProblemsProgress()
+getOptionalInfo()
+getUserName()
+getFullName()
+setFullName(fullName : string)
+getEmail()
+setEmail(email : string)
+changePassword(oldPassword, newPassword)
+sendMessage(who : User, msg : string)
+attempt(prob : Problem, sol : Solution)

<<friend>>

ProblemsProgress

-rank
-numberOfSolvedProlems
-numberOfSubmissions
-numberOfAcceptedSubmits

+getRank()
+getNumberOfSolvedProblems()
+getNumberOfSubmissions()
+getNumberOfAcceptedSubmits()

OptionalInfo

-photo
-occupation
-placeOfStudyOrJob
-studyYear
-country
-city
-birthday

+getValue(id : string)
+setValue(id : string, value : T)