User

- id: Long
- username: String
- password: String
- surname: String
- firstname: String
- patronymic: String
- roles: Set<Role>
- results: List<Result>
- messages: List<Message>

+ getPassword(): String
+ getUsername(): String
+ isAccountNonExpired(): Boolean
+ isAccountNonLocked(): Boolean
+ isCredentialsNonExpired(): Boolea
+ isEnabled(): Boolean
+ getId(): Long
+ setId()
+ setPassword()
+ setUsername()
+ getSurname(): String
+ setSurname()
+ getFirstname(): String
+ setFirstname()
+ getPatronymic(): String
+ setPatronymic()
+ getResults(): List<Result>
+ setResults()
+ getRoles(): Set<Role>
+ setRoles()
+ getMessages(): List<Message>
+ setMessages()
+ getAuthorities()

Test

- id: Long
- position: Position
- questions: List<Question>

+ getId(): Long
+ setId()
+ getPosition(): Position
+ setPosition()
+ getQuestions(): List<Question>
+ setQuestions()
+ Test()

Position

+ Position: enum

"Enumeration" Position

Junior

Middle

Senior

Question

- id: Long
- text: String
- test: Test
- answers: List<Answer>

+ getId(): Long
+ setId()
+ getText(): String
+ setText()
+ getTest(): Test
+ setTest()
+ getAnswers(): List<Answer>
+ setAnswers()
+ Question()

Answer

- id: Long
- text: String
- correct: Boolean
- question: Question
- results: Set<Answer>

+ getId(): Long
+ setId()
+ getText(): String
+ setText()
+ getQuestion(): Question
+ setQuestion()
+ isCorrect(): Boolean
+ setCorrect()
+ getResults(): Set<Answer>
+ setResults()
+ Answer()

1..*

1

1..*

1

1

1..*

1..*

1

Message

- id: Long
- text: String
- view: Boolean
- user: User

+ getId(): Long
+ setId()
+ getText(): String
+ setText()
+ isView(): Boolean
+ setView()
+ getUser(): User
+ setUser()
+ Message()

1..*

Role

+ Role: enum

+ getAuthority(): String

"Enumeration" Role

Admin

User

Result

- id: Long
- test: Test
- answers: List<Answer>
- user: User
- rating: Float

+ getId(): Long
+ setId()
+ getAnswers(): List<Answer>
+ setAnswers()
+ getUser(): User
+ setUser()
+ setRating()
+ getRating(): Float
+ setRating()
+ getTest(): Test
+ setTest()
+ Result()

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