

de.htwberlin.kba.gr7.vocabduel.user_administration.export

Interface UserService

public interface **UserService**

Service for managing users and user data beyond authentication purposes (for auth, incl. registration and login, please check [AuthService](#)).

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Method Summary

All Methods	Instance Methods	Abstract Methods
Modifier and Type		Method and Description
int		deleteUser (de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User user) Deletes a single user.
java.util.List<de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User>		findUsersByUsername (java.lang.String searchString) Searches for users whose username properties match/include the given search string and returns them as list.
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User		getUserDataByEmail (java.lang.String email)
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User		getUserDataById (java.lang.Long id)
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User		getUserDataByUsername (java.lang.String username)
int		updateUser (de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User user) Updates user data by a given user object.

Method Detail

findUsersByUsername

```
java.util.List<de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User> findUsersByUsername(java.lang.String searchString)
                                                                    throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Searches for users whose username properties match/include the given search string and returns them as list. Useful for identifying opponents for games. The search is case insensitive, i.e. a user "UserX" will be found by entering "userx".

Parameters:

searchString - String users are to be searched by (compared with their usernames).

Returns:

List of users matching/including the given search string.

Throws:

de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.

getUserDataById

```
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User getUserDataById(java.lang.Long id)
                                throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Parameters:
id - ID the respective user is to be returned for.

Returns:
User with the given ID or null if no user found.

Throws:
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.

getUserDataByEmail

```
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User getUserDataByEmail(java.lang.String email)
                                throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Parameters:
email - Email the respective user is to be returned for.

Returns:
User with the given email or null if no user found.

Throws:
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.

getUserDataByUsername

```
de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User getUserDataByUsername(java.lang.String username)
                                throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Parameters:
username - Username the respective user is to be returned for.

Returns:
User with the given username or null if no user found.

Throws:
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.

updateUser

```
int updateUser(de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User user)
    throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.InvalidOrRegisteredMailException,
           de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.AlreadyRegisteredUsernameException,
           de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.IncompleteUserDataException,
           de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.InvalidUserException,
           javax.naming.InvalidNameException,
           de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Updates user data by a given user object.

Parameters:
user - User object containing the (updated) data to be saved.

Returns:
int database status of the update query.

Throws:
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.InvalidOrRegisteredMailException - The user's specified email is either already in use or invalid and, thus, cannot be used again.
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.AlreadyRegisteredUsernameException - The user's specified username is already in use and, thus, cannot be used again.
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.IncompleteUserDataException - The passed user object does not contain all required user data.
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.InvalidUserException - The given user is null or does not exist.
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.
javax.naming.InvalidNameException

deleteUser

```
int deleteUser(de.htwberlin.kba.gr7.vocabduel.user_administration.export.model.User user)
    throws de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException
```

Deletes a single user.

Parameters:
user - User to be deleted.

Returns:
int database status of the delete query.

Throws:
de.htwberlin.kba.gr7.vocabduel.user_administration.export.exceptions.UserOptimisticLockException - An OptimisticLock error in the user module occurred.