iLearnRW

0.0.1

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Contents

1 Main Page 1

2 Log format 3

3 About 5

4 Todo List 7

5 Namespace Documentation 9

5.1 Package ilearnrw . . . 9

5.2 Package ilearnrw.datalogger . . . 9

5.2.1 Detailed Description . . . 9

5.3 Package ilearnrw.prototype . . . 10

5.4 Package ilearnrw.prototype.application . . . 10

5.5 Package ilearnrw.user . . . 10

6 Class Documentation 11

6.1 ilearnrw.user.Category Class Reference . . . 11

6.1.1 Constructor & Destructor Documentation . . . 12

6.1.1.1 Category . . . 12

6.1.2 Member Function Documentation . . . 13

6.1.2.1 equals . . . 13

6.1.2.2 getTitle . . . 13

6.1.2.3 isReadingProblem . . . 13

6.1.2.4 setReadingProblem . . . 13

6.1.2.5 setTitle . . . 13

6.1.2.6 toString . . . 13

6.1.3 Member Data Documentation . . . 13

6.1.3.1 isReadingProblem . . . 13

6.1.3.2 serialVersionUID . . . 13

6.1.3.3 title . . . 13

6.2 ilearnrw.prototype.application.ConsoleMenu Class Reference . . . 14

6.2.1 Constructor & Destructor Documentation . . . 15

6.2.1.1 ConsoleMenu . . . 15
6.2.2 Member Function Documentation . . . 15
6.2.2.1 doModalMenu . . . 15
6.2.2.2 in . . . 15
6.2.2.3 out . . . 15
6.2.2.4 showMenu . . . 15
6.2.2.5 subMenu . . . 15
6.2.3 Member Data Documentation . . . 15
6.2.3.1 mIn . . . 16
6.2.3.2 mMenuActions . . . 16
6.2.3.3 mMenuTitle . . . 16
6.2.3.4 mOut . . . 16
6.2.3.5 mScanner . . . 16
6.3 ilearnrw.prototype.application.ConsoleMenuAction Class Reference . . . 17
6.3.1 Constructor & Destructor Documentation . . . 18
6.3.1.1 ConsoleMenuAction . . . 18
6.3.2 Member Function Documentation . . . 18
6.3.2.1 getText . . . 18
6.3.2.2 onSelected . . . 19
6.3.3 Member Data Documentation . . . 19
6.3.3.1 mText . . . 19
6.4 ilearnrw.prototype.application.DatabaseManager Class Reference . . . 19
6.4.1 Constructor & Destructor Documentation . . . 20
6.4.1.1 DatabaseManager . . . 20
6.4.2 Member Function Documentation . . . 20
6.4.2.1 onSelected . . . 21
6.5 ilearnrw.datalogger.DataLogger Class Reference . . . 22
6.5.1 Detailed Description . . . 23
6.5.2 Member Function Documentation . . . 23
6.5.2.1 getUserStore . . . 23
6.5.2.2 loadUserStore . . . 23
6.5.3 Member Data Documentation . . . 23
6.5.3.1 mUserStore . . . 23
6.6 ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult Enum Reference . . . 24
6.6.1 Member Data Documentation . . . 24
6.6.1.1 menuBreak . . . 24
6.6.1.2 showThisMenuAgain . . . 24
6.7 ilearnrw.user.GameAction Enum Reference . . . 25
6.7.1 Member Data Documentation . . . 25
6.7.1.1 DIFFICULT_WORD . . . 25

6.8 ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction Interface Reference 26
6.8.1 Member Function Documentation 27
6.8.1.1 getText 27
6.8.1.2 onSelected 27
6.9 ilearnrw.datalogger.IDataLogger Interface Reference 27
6.9.1 Member Function Documentation 27
6.9.1.1 getLoginProvider 27
6.9.1.2 getProfileAccessUpdater 28
6.10 ilearnrw.user.IlearnException Class Reference 28
6.10.1 Constructor & Destructor Documentation 29
6.10.1.1 IlearnException 29
6.10.1.2 IlearnException 29
6.10.2 Member Function Documentation 29
6.10.2.1 getMessage 29
6.11 ilearnrw.datalogger.ILoginProvider Interface Reference 30
6.11.1 Member Function Documentation 30
6.11.1.1 getProfile 30
6.12 ilearnrw.datalogger.IProfileAccessUpdater Interface Reference 30
6.12.1 Detailed Description 33
6.12.2 Member Function Documentation 33
6.12.2.1 addProblemDefinition 33
6.12.2.2 discardPendingChanges 33
6.12.2.3 hasPendingChanges 33
6.12.2.4 registerUserSession 33
6.12.2.5 removeProblemDefinition 33
6.12.2.6 setCurrentProfile 33
6.12.2.7 setPreference 34
6.12.2.8 setUserDetail 34
6.12.2.9 setUserLanguage 34
6.12.2.10 writePendingChanges 34
6.13 ilearnrw.prototype.application.DatabaseManager.ISelectUser Interface Reference 35
6.13.1 Member Function Documentation 35
6.13.1.1 selectUser 35
6.14 ilearnrw.user.LanguageCode Enum Reference 35
6.14.1 Member Function Documentation 36
6.14.1.1 getEnglishCode 36
6.14.1.2 getGreekCode 36
6.14.2 Member Data Documentation 36
6.14.2.1 EN 36
6.15 ilearnrw.datalogger.LoginDetails Class Reference 36

6.15.1 Member Data Documentation . . . 36
6.15.1.1 Password . . . 36
6.15.1.2 Username . . . 37
6.16 ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable Class Reference . . . 37
6.16.1 Detailed Description . . . 38
6.16.2 Constructor & Destructor Documentation . . . 38
6.16.2.1 PendingChangesAvailable . . . 38
6.16.2.2 PendingChangesAvailable . . . 38
6.16.3 Member Function Documentation . . . 38
6.16.3.1 getMessage . . . 38
6.16.4 Member Data Documentation . . . 38
6.16.4.1 serialVersionUID . . . 39
6.17 ilearnrw.datalogger.IProfileAccessUpdater.PermissionException Class Reference . . . 39
6.17.1 Detailed Description . . . 40
6.17.2 Constructor & Destructor Documentation . . . 40
6.17.2.1 PermissionException . . . 40
6.17.2.2 PermissionException . . . 40
6.17.3 Member Function Documentation . . . 40
6.17.3.1 getMessage . . . 40
6.17.4 Member Data Documentation . . . 40
6.17.4.1 serialVersionUID . . . 41
6.18 ilearnrw.user.ProblemDefinition Class Reference . . . 41
6.18.1 Constructor & Destructor Documentation . . . 43
6.18.1.1 ProblemDefinition . . . 43
6.18.2 Member Function Documentation . . . 43
6.18.2.1 getAvailableLanguages . . . 43
6.18.2.2 getScoreUpperBound . . . 43
6.18.2.3 getType . . . 43
6.18.2.4 getURI . . . 43
6.18.2.5 setAvailableLanguages . . . 43
6.18.2.6 setScoreUpperBound . . . 44
6.18.2.7 setSubcategory . . . 44
6.18.2.8 setURI . . . 44
6.18.2.9 toString . . . 44
6.18.3 Member Data Documentation . . . 44
6.18.3.1 availableLanguages . . . 44
6.18.3.2 scoreUpperBound . . . 44
6.18.3.3 serialVersionUID . . . 44
6.18.3.4 type . . . 44
6.18.3.5 URI . . . 44

6.19 ilearnrw.user.ProblemDefinitionIndex Class Reference . . . 45
6.19.1 Member Function Documentation . . . 45
6.19.1.1 getProblemsByCategory . . . 45
6.19.1.2 getProblemsByLanguage . . . 45
6.19.2 Member Data Documentation . . . 45
6.19.2.1 index . . . 46
6.20 ilearnrw.datalogger.ProfileAccessUpdater Class Reference . . . 46
6.20.1 Detailed Description . . . 48
6.20.2 Member Function Documentation . . . 48
6.20.2.1 addProblemDefinition . . . 48
6.20.2.2 discardPendingChanges . . . 48
6.20.2.3 hasPendingChanges . . . 48
6.20.2.4 registerUserSession . . . 48
6.20.2.5 removeProblemDefinition . . . 49
6.20.2.6 setCurrentProfile . . . 49
6.20.2.7 setDirty . . . 49
6.20.2.8 setPreference . . . 49
6.20.2.9 setUserDetail . . . 49
6.20.2.10 setUserLanguage . . . 49
6.20.2.11 writePendingChanges . . . 49
6.20.3 Member Data Documentation . . . 50
6.20.3.1 mIsDirty . . . 50
6.20.3.2 mMarker . . . 50
6.20.3.3 mUser . . . 50
6.21 ilearnrw.prototype.application.Program Class Reference . . . 51
6.21.1 Member Function Documentation . . . 52
6.21.1.1 getLoginDetails . . . 52
6.21.1.2 getStringArg . . . 52
6.21.1.3 main . . . 52
6.21.2 Member Data Documentation . . . 52
6.21.2.1 gDataLogger . . . 52
6.22 ilearnrw.user.Subcategory Class Reference . . . 53
6.22.1 Constructor & Destructor Documentation . . . 55
6.22.1.1 Subcategory . . . 55
6.22.2 Member Function Documentation . . . 55
6.22.2.1 equals . . . 55
6.22.2.2 getCategory . . . 55
6.22.2.3 getSubcategoryTitle . . . 55
6.22.2.4 setCategory . . . 55
6.22.2.5 setSubcategoryTitle . . . 55

6.22.2.6 toString . . . 55
6.22.3 Member Data Documentation . . . 56
6.22.3.1 category . . . 56
6.22.3.2 serialVersionUID . . . 56
6.22.3.3 subcategoryTitle . . . 56
6.23 ilearnrw.user.Tester Class Reference . . . 56
6.23.1 Member Function Documentation . . . 56
6.23.1.1 main . . . 56
6.24 ilearnrw.user.User Class Reference . . . 57
6.24.1 Constructor & Destructor Documentation . . . 59
6.24.1.1 User . . . 59
6.24.1.2 User . . . 59
6.24.1.3 User . . . 59
6.24.2 Member Function Documentation . . . 59
6.24.2.1 getDetails . . . 59
6.24.2.2 getOldSessions . . . 59
6.24.2.3 getProfile . . . 59
6.24.2.4 getSession . . . 59
6.24.2.5 getUserId . . . 59
6.24.2.6 setDetails . . . 60
6.24.2.7 setOldSessions . . . 60
6.24.2.8 setProfile . . . 60
6.24.2.9 setSession . . . 60
6.24.3 Member Data Documentation . . . 60
6.24.3.1 details . . . 60
6.24.3.2 oldSessions . . . 60
6.24.3.3 profile . . . 60
6.24.3.4 serialVersionUID . . . 60
6.24.3.5 session . . . 60
6.24.3.6 userId . . . 60
6.25 ilearnrw.user.UserAction Class Reference . . . 61
6.25.1 Member Function Documentation . . . 61
6.25.1.1 getGameAction . . . 61
6.25.1.2 getUserId . . . 61
6.25.1.3 setGameAction . . . 61
6.25.1.4 setUserId . . . 62
6.25.2 Member Data Documentation . . . 62
6.25.2.1 gameAction . . . 62
6.25.2.2 UserId . . . 62
6.26 ilearnrw.user.UserDetails Class Reference . . . 62

6.26.1 Constructor & Destructor Documentation . . . 64
6.26.1.1 UserDetails . . . 64
6.26.1.2 UserDetails . . . 64
6.26.1.3 UserDetails . . . 64
6.26.2 Member Function Documentation . . . 64
6.26.2.1 getLanguage . . . 64
6.26.2.2 getPassword . . . 64
6.26.2.3 getUsername . . . 64
6.26.2.4 setLanguage . . . 64
6.26.2.5 setLanguage . . . 64
6.26.2.6 setPassword . . . 65
6.26.2.7 setPassword . . . 65
6.26.2.8 setUsername . . . 65
6.26.3 Member Data Documentation . . . 65
6.26.3.1 language . . . 65
6.26.3.2 password . . . 65
6.26.3.3 serialVersionUID . . . 65
6.26.3.4 username . . . 65
6.27 ilearnrw.user.UserPreferences Class Reference . . . 66
6.27.1 Constructor & Destructor Documentation . . . 67
6.27.1.1 UserPreferences . . . 67
6.27.1.2 UserPreferences . . . 67
6.27.2 Member Function Documentation . . . 67
6.27.2.1 getFontSize . . . 67
6.27.2.2 setFontSize . . . 67
6.27.3 Member Data Documentation . . . 67
6.27.3.1 fontSize . . . 67
6.27.3.2 serialVersionUID . . . 67
6.28 ilearnrw.user.UserProblem Class Reference . . . 68
6.28.1 Constructor & Destructor Documentation . . . 69
6.28.1.1 UserProblem . . . 69
6.28.1.2 UserProblem . . . 69
6.28.2 Member Function Documentation . . . 69
6.28.2.1 getProblem . . . 69
6.28.2.2 getScore . . . 69
6.28.2.3 setProblem . . . 69
6.28.2.4 setScore . . . 69
6.28.3 Member Data Documentation . . . 69
6.28.3.1 problem . . . 69
6.28.3.2 score . . . 70

6.29 ilearnrw.user.UserProblemsList Class Reference . . . 70
6.29.1 Constructor & Destructor Documentation . . . 71
6.29.1.1 UserProblemsList . . . 71
6.29.1.2 UserProblemsList . . . 72
6.29.1.3 UserProblemsList . . . 72
6.29.2 Member Function Documentation . . . 72
6.29.2.1 getList . . . 72
6.29.2.2 loadProblems . . . 72
6.29.2.3 loadProblems . . . 72
6.29.2.4 setList . . . 72
6.29.3 Member Data Documentation . . . 72
6.29.3.1 list . . . 72
6.29.3.2 serialVersionUID . . . 72
6.30 ilearnrw.user.UserProfile Class Reference . . . 73
6.30.1 Constructor & Destructor Documentation . . . 75
6.30.1.1 UserProfile . . . 75
6.30.1.2 UserProfile . . . 75
6.30.1.3 UserProfile . . . 75
6.30.2 Member Function Documentation . . . 75
6.30.2.1 getLanguage . . . 75
6.30.2.2 getPreferences . . . 75
6.30.2.3 getProblemsList . . . 75
6.30.2.4 setLanguage . . . 75
6.30.2.5 setPreferences . . . 75
6.30.2.6 setProblemsList . . . 75
6.30.3 Member Data Documentation . . . 75
6.30.3.1 language . . . 75
6.30.3.2 preferences . . . 76
6.30.3.3 problems . . . 76
6.30.3.4 serialVersionUID . . . 76
6.31 ilearnrw.user.UserSession Class Reference . . . 76
6.31.1 Member Function Documentation . . . 77
6.31.1.1 insertAction . . . 77
6.31.1.2 loadSession . . . 77
6.31.1.3 startSession . . . 77
6.31.1.4 stopSession . . . 77
6.31.2 Member Data Documentation . . . 77
6.31.2.1 end . . . 77
6.31.2.2 history . . . 77
6.31.2.3 isActive . . . 77

6.31.2.4 start . . . 77
6.32 ilearnrw.datalogger.UserStore Class Reference . . . 78
6.32.1 Detailed Description . . . 79
6.32.2 Constructor & Destructor Documentation . . . 79
6.32.2.1 UserStore . . . 79
6.32.3 Member Function Documentation . . . 79
6.32.3.1 create . . . 79
6.32.3.2 deepCopy . . . 80
6.32.3.3 delete . . . 80
6.32.3.4 getUserIds . . . 80
6.32.3.5 load . . . 80
6.32.3.6 read . . . 80
6.32.3.7 read_noCopy . . . 81
6.32.3.8 save . . . 81
6.32.3.9 update . . . 81
6.32.4 Member Data Documentation . . . 81
6.32.4.1 mFilePath . . . 81
6.32.4.2 mLoadedUsers . . . 81
6.32.4.3 mLogger . . . 81

7 File Documentation **83**

7.1 C:/develop/projects/ILearnRW/github/ilearnrw/README.md File Reference . . . 83
7.2 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/DataLogger.java File Reference 83
7.3 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IDataLogger.java File Reference . . . 83
7.4 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ILoginProider.java File Reference . . . 84
7.5 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IProfileAccessUpdater.java File Reference . . . 84
7.6 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/LoginDetails.java File Reference . . . 85
7.7 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ProfileAccessUpdater.java File Reference . . . 85
7.8 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/UserStore.java File Reference 85
7.9 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenu.java File Reference . . . 86
7.10 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenuAction.java File Reference . . . 86
7.11 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/DatabaseManager.java File Reference . . . 86
7.12 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/Program.java File Reference . . . 87
7.13 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Category.java File Reference . . . 87

7.14 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/GameAction.java File Reference . . 87
7.15 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/IlearnException.java File Reference 88
7.16 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/LanguageCode.java File Reference 88
7.17 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinition.java File Reference 88
7.18 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinitionIndex.java File Reference 89
7.19 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Subcategory.java File Reference . . 89
7.20 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Tester.java File Reference 89
7.21 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/User.java File Reference 90
7.22 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserAction.java File Reference . . 90
7.23 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserDetails.java File Reference . . 90
7.24 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserPreferences.java File Reference 91
7.25 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblem.java File Reference . 91
7.26 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblemsList.java File Reference 91
7.27 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProfile.java File Reference . . 92
7.28 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserSession.java File Reference . 92

Index **93**

Chapter 1

Main Page

iLearnRW developer repository

Chapter 2

Log format

Actions

- Add difficult word
- Remove difficult word

Profile	Marker	TimeStamp	Action	Value
child1	teacher1	2013-06-14	ADD	cat
child1	child1	2013-06-14	REMOVE	cat

Chapter 3

About

This document was generated using Doxygen from a number of (mainly) stub classes.

The documentation is published in the iLearnRW git repository. Currently located in the `playground/Data-Logger` directory.

To be able to build the documentation the following is required:

- Doxygen
- Latex
- Graphviz

Chapter 4

Todo List

Class ilearnrw.datalogger.UserStore

Replace storage backed with SQL database.

Chapter 5

Namespace Documentation

5.1 Package ilearnrw

Packages

- package datalogger

  DataLogger package.
- package prototype
- package user

5.2 Package ilearnrw.datalogger

DataLogger package.

Classes

- class DataLogger
- interface IDataLogger
- interface ILoginProvider
- interface IProfileAccessUpdater

  Interface to update profiles in the iLearnRW system.
- class LoginDetails
- class ProfileAccessUpdater
- class UserStore

  The UserStore is used to create and store user objects persistantly.

5.2.1 Detailed Description

DataLogger package.

Note

Exactly what package the IProfileAccessUpdater should be part of is still unknown.

5.3 Package ilearnrw.prototype

Packages

- package application

5.4 Package ilearnrw.prototype.application

Classes

- class ConsoleMenu
- class ConsoleMenuAction
- class DatabaseManager
- class Program

5.5 Package ilearnrw.user

Classes

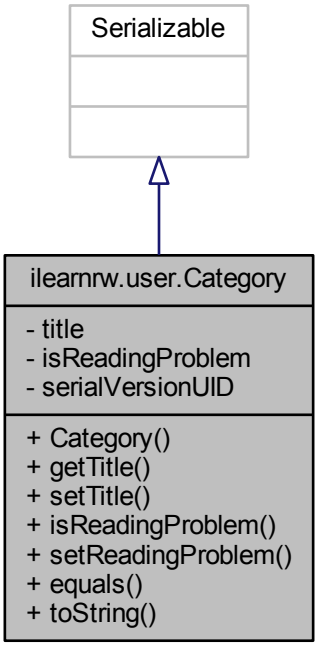
- class Category
- enum GameAction
- class IlearnException
- enum LanguageCode
- class ProblemDefinition
- class ProblemDefinitionIndex
- class Subcategory
- class Tester
- class User
- class UserAction
- class UserDetails
- class UserPreferences
- class UserProblem
- class UserProblemsList
- class UserProfile
- class UserSession

Chapter 6

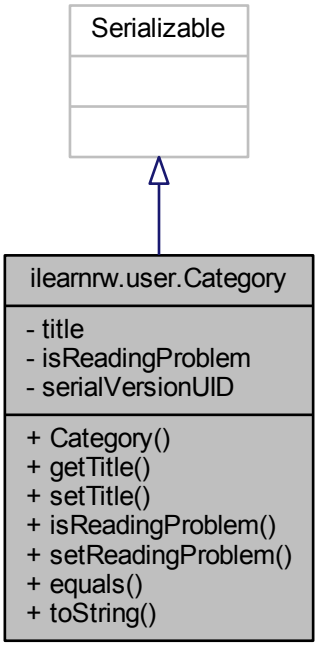
Class Documentation

6.1 ilearnrw.user.Category Class Reference

Inheritance diagram for ilearnrw.user.Category:



Collaboration diagram for ilearnrw.user.Category:



Public Member Functions

- Category (String title, boolean isReadingProblem)
- String getTitle ()
- void setTitle (String title)
- boolean isReadingProblem ()
- void setReadingProblem (boolean isReadingProblem)
- boolean equals (Object obj)
- String toString ()

Private Attributes

- String title
- boolean isReadingProblem

Static Private Attributes

- static final long serialVersionUID = 1L

6.1.1 Constructor & Destructor Documentation

6.1.1.1 ilearnrw.user.Category.Category (String *title*, boolean *isReadingProblem*)

References ilearnrw.user.Category.isReadingProblem(), and ilearnrw.user.Category.title.

Referenced by ilearnrw.user.Category.equals().

6.1.2 Member Function Documentation

6.1.2.1 boolean ilearnrw.user.Category.equals (Object *obj*)

References ilearnrw.user.Category.Category(), ilearnrw.user.Category.getTitle(), and ilearnrw.user.Category.title.

6.1.2.2 String ilearnrw.user.Category.getTitle ( )

References ilearnrw.user.Category.title.

Referenced by ilearnrw.user.Category.equals(), and ilearnrw.user.Subcategory.equals().

6.1.2.3 boolean ilearnrw.user.Category.isReadingProblem ( )

Referenced by ilearnrw.user.Category.Category(), ilearnrw.user.Category.setReadingProblem(), and ilearnrw.user.-Category.toString().

6.1.2.4 void ilearnrw.user.Category.setReadingProblem (boolean *isReadingProblem*)

References ilearnrw.user.Category.isReadingProblem().

6.1.2.5 void ilearnrw.user.Category.setTitle (String *title*)

References ilearnrw.user.Category.title.

6.1.2.6 String ilearnrw.user.Category.toString ( )

References ilearnrw.user.Category.isReadingProblem(), and ilearnrw.user.Category.title.

6.1.3 Member Data Documentation

6.1.3.1 boolean ilearnrw.user.Category.isReadingProblem [private]

6.1.3.2 final long ilearnrw.user.Category.serialVersionUID = 1L [static], [private]

6.1.3.3 String ilearnrw.user.Category.title [private]

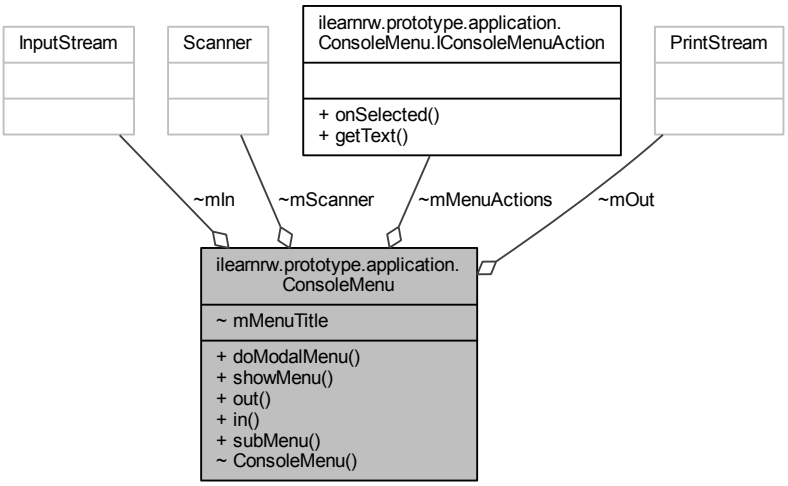
Referenced by ilearnrw.user.Category.Category(), ilearnrw.user.Category.equals(), ilearnrw.user.Category.get-Title(), ilearnrw.user.Category.setTitle(), and ilearnrw.user.Category.toString().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Category.java

6.2 ilearnrw.prototype.application.ConsoleMenu Class Reference

Collaboration diagram for ilearnrw.prototype.application.ConsoleMenu:



Classes

- enum EConsoleMenuActionResult
- interface IConsoleMenuAction

Public Member Functions

- void doModalMenu ()
- EConsoleMenuActionResult showMenu ()
- PrintStream out ()
- Scanner in ()
- ConsoleMenu subMenu (String menuTitle, IConsoleMenuAction[] menuActions)

Package Functions

- ConsoleMenu (PrintStream outStream, InputStream inStream, String menuTitle, IConsoleMenuAction[] menuActions)

Package Attributes

- PrintStream mOut
- InputStream mIn
- Scanner mScanner
- String mMenuTitle
- IConsoleMenuAction[] mMenuActions

6.2.1 Constructor & Destructor Documentation

6.2.1.1 ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu (PrintStream *outStream,* InputStream *inStream,* String *menuTitle,* IConsoleMenuAction[] *menuActions*) [package]

References ilearnrw.prototype.application.ConsoleMenu.mIn, ilearnrw.prototype.application.ConsoleMenu.mMenuActions, ilearnrw.prototype.application.ConsoleMenu.mMenuTitle, ilearnrw.prototype.application.ConsoleMenu.mOut, and ilearnrw.prototype.application.ConsoleMenu.mScanner.

Referenced by ilearnrw.prototype.application.ConsoleMenu.subMenu().

6.2.2 Member Function Documentation

6.2.2.1 void ilearnrw.prototype.application.ConsoleMenu.doModalMenu ( )

References ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.menuBreak, ilearnrw.prototype.application.ConsoleMenu.showMenu(), and ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.showThisMenuAgain.

Referenced by ilearnrw.prototype.application.Program.main().

6.2.2.2 Scanner ilearnrw.prototype.application.ConsoleMenu.in ( )

References ilearnrw.prototype.application.ConsoleMenu.mScanner.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.2.2.3 PrintStream ilearnrw.prototype.application.ConsoleMenu.out ( )

References ilearnrw.prototype.application.ConsoleMenu.mOut.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.2.2.4 EConsoleMenuActionResult ilearnrw.prototype.application.ConsoleMenu.showMenu ( )

References ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.getText(), ilearnrw.prototype.application.ConsoleMenu.mMenuActions, ilearnrw.prototype.application.ConsoleMenu.mMenuTitle, ilearnrw.prototype.application.ConsoleMenu.mOut, ilearnrw.prototype.application.ConsoleMenu.mScanner, ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.onSelected(), and ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.showThisMenuAgain.

Referenced by ilearnrw.prototype.application.ConsoleMenu.doModalMenu().

6.2.2.5 ConsoleMenu ilearnrw.prototype.application.ConsoleMenu.subMenu (String *menuTitle,* IConsoleMenuAction[] *menuActions*)

References ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), ilearnrw.prototype.application.ConsoleMenu.mIn, and ilearnrw.prototype.application.ConsoleMenu.mOut.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.2.3 Member Data Documentation

6.2.3.1 InputStream ilearnrw.prototype.application.ConsoleMenu.mIn [package]

Referenced by ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), and ilearnrw.prototype.application.ConsoleMenu.subMenu().

6.2.3.2 IConsoleMenuAction [] ilearnrw.prototype.application.ConsoleMenu.mMenuActions [package]

Referenced by ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), and ilearnrw.prototype.application.ConsoleMenu.showMenu().

6.2.3.3 String ilearnrw.prototype.application.ConsoleMenu.mMenuTitle [package]

Referenced by ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), and ilearnrw.prototype.application.ConsoleMenu.showMenu().

6.2.3.4 PrintStream ilearnrw.prototype.application.ConsoleMenu.mOut [package]

Referenced by ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), ilearnrw.prototype.application.ConsoleMenu.out(), ilearnrw.prototype.application.ConsoleMenu.showMenu(), and ilearnrw.prototype.application.ConsoleMenu.subMenu().

6.2.3.5 Scanner ilearnrw.prototype.application.ConsoleMenu.mScanner [package]

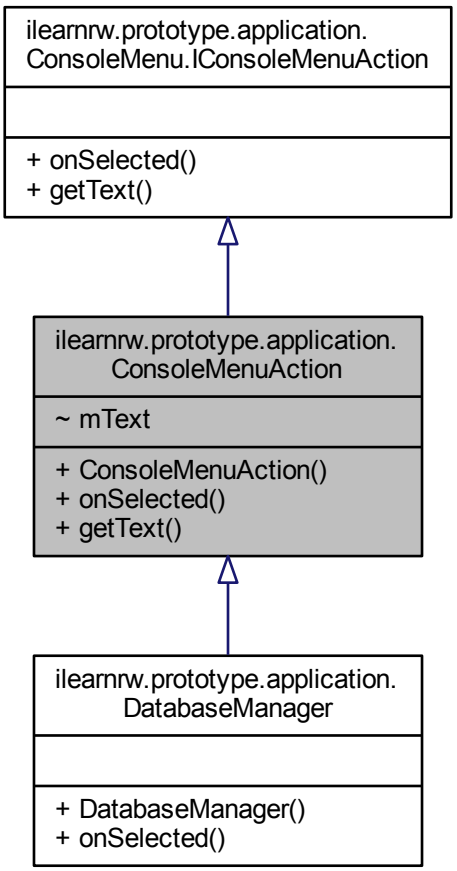
Referenced by ilearnrw.prototype.application.ConsoleMenu.ConsoleMenu(), ilearnrw.prototype.application.ConsoleMenu.in(), and ilearnrw.prototype.application.ConsoleMenu.showMenu().

The documentation for this class was generated from the following file:

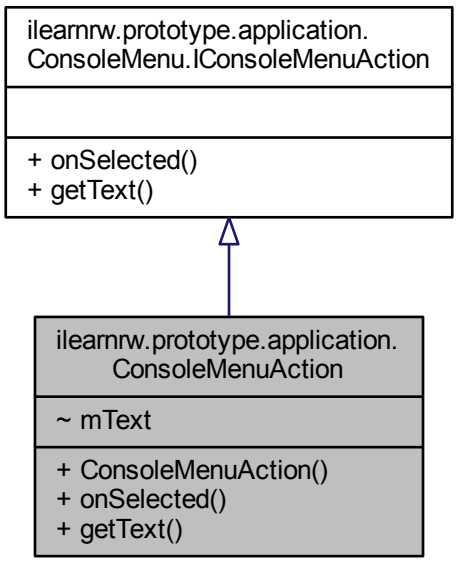
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenu.java

6.3 ilearnrw.prototype.application.ConsoleMenuAction Class Reference

Inheritance diagram for ilearnrw.prototype.application.ConsoleMenuAction:



Collaboration diagram for ilearnrw.prototype.application.ConsoleMenuAction:



Public Member Functions

- ConsoleMenuAction (String text)
- EConsoleMenuActionResult onSelected (ConsoleMenu menu)
- String getText ()

Package Attributes

- String mText

6.3.1 Constructor & Destructor Documentation

6.3.1.1 ilearnrw.prototype.application.ConsoleMenuAction.ConsoleMenuAction (String *text*)

References ilearnrw.prototype.application.ConsoleMenuAction.mText.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.3.2 Member Function Documentation

6.3.2.1 String ilearnrw.prototype.application.ConsoleMenuAction.getText ( )

Implements ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.

References ilearnrw.prototype.application.ConsoleMenuAction.mText.

6.3.2.2 EConsoleMenuActionResult ilearnrw.prototype.application.ConsoleMenuAction.onSelected (ConsoleMenu *menu*)

Implements ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.

References ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.menuBreak.

6.3.3 Member Data Documentation

6.3.3.1 String ilearnrw.prototype.application.ConsoleMenuAction.mText [package]

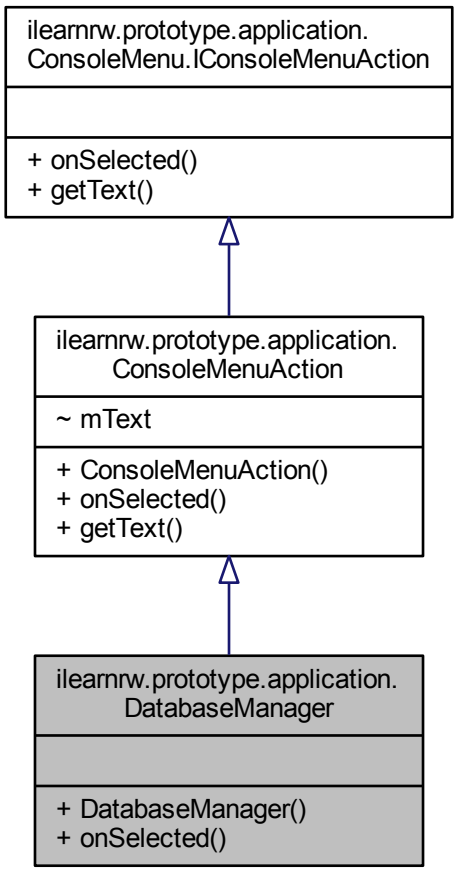
Referenced by ilearnrw.prototype.application.ConsoleMenuAction.ConsoleMenuAction(), and ilearnrw.prototype.application.ConsoleMenuAction.getText().

The documentation for this class was generated from the following file:

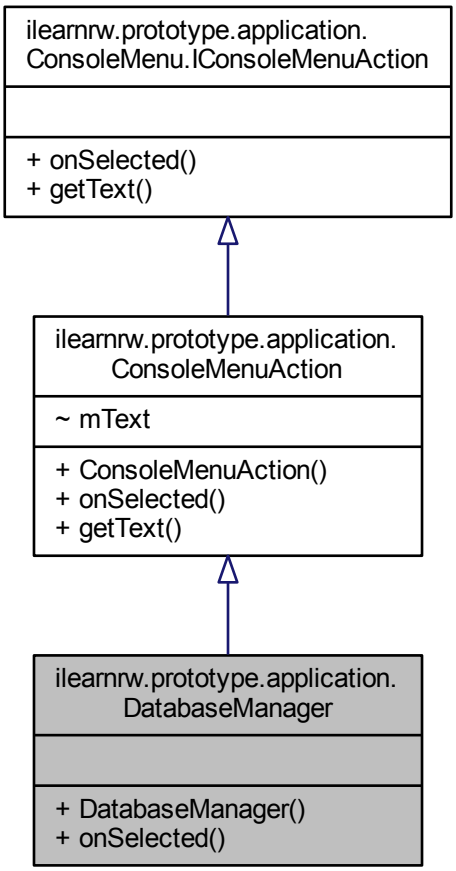
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenuAction.java

6.4 ilearnrw.prototype.application.DatabaseManager Class Reference

Inheritance diagram for ilearnrw.prototype.application.DatabaseManager:



Collaboration diagram for ilearnrw.prototype.application.DatabaseManager:



Classes

- interface ISelectUser

Public Member Functions

- DatabaseManager (String text)
- EConsoleMenuActionResult onSelected (ConsoleMenu menu)

Additional Inherited Members

6.4.1 Constructor & Destructor Documentation

6.4.1.1 ilearnrw.prototype.application.DatabaseManager.DatabaseManager (String *text*)

6.4.2 Member Function Documentation

6.4.2.1 EConsoleMenuActionResult ilearnrw.prototype.application.DatabaseManager.onSelected (ConsoleMenu *menu*)

Implements ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.

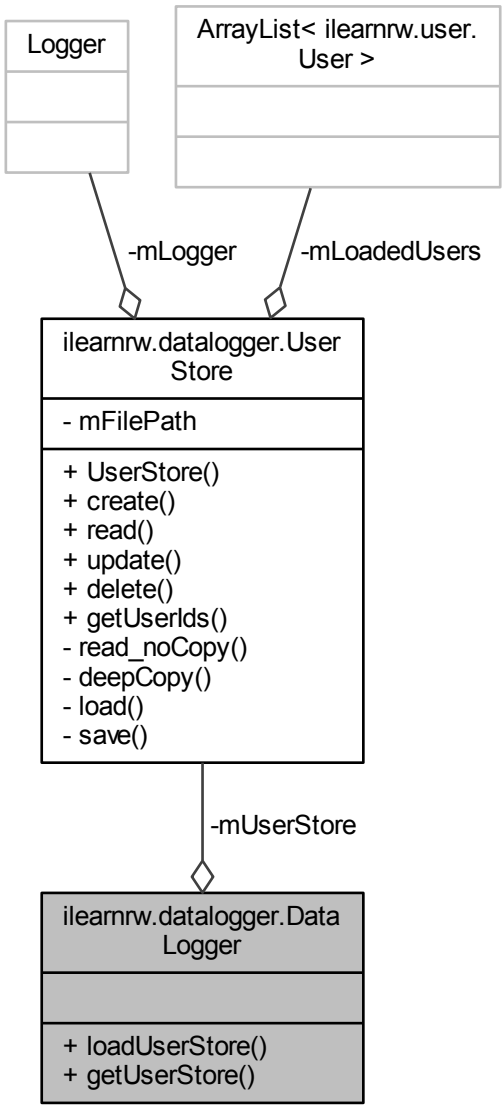
References ilearnrw.prototype.application.ConsoleMenuAction.ConsoleMenuAction(), ilearnrw.datalogger.UserStore.create(), ilearnrw.datalogger.UserStore.delete(), ilearnrw.prototype.application.Program.gDataLogger, ilearnrw.user.User.getDetails(), ilearnrw.user.User.getUserId(), ilearnrw.datalogger.UserStore.getUserIds(), ilearnrw.user.UserDetails.getUsername(), ilearnrw.datalogger.DataLogger.getUserStore(), ilearnrw.prototype.application.ConsoleMenu.in(), ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.menuBreak, ilearnrw.prototype.application.ConsoleMenu.out(), ilearnrw.datalogger.UserStore.read(), ilearnrw.prototype.application.DatabaseManager.ISelectUser.selectUser(), ilearnrw.user.UserDetails.setUsername(), ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.showThisMenuAgain, ilearnrw.prototype.application.ConsoleMenu.subMenu(), and ilearnrw.datalogger.UserStore.update().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/DatabaseManager.java

6.5 ilearnrw.datalogger.DataLogger Class Reference

Collaboration diagram for ilearnrw.datalogger.DataLogger:



Public Member Functions

- boolean loadUserStore (String filePath)
- UserStore getUserStore ()

Private Attributes

- UserStore mUserStore = null

6.5.1 Detailed Description

DataLogger class.

6.5.2 Member Function Documentation

6.5.2.1 UserStore ilearnrw.datalogger.DataLogger.getUserStore ( )

Returns

The UserStore if loaded, null otherwise.

References ilearnrw.datalogger.DataLogger.mUserStore.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.5.2.2 boolean ilearnrw.datalogger.DataLogger.loadUserStore (String *filePath*)

Loads the UserStore from disk.

Note

filePath does not have to exist. But the directory it is in has to.

Parameters

filePath	FilePath to a disk copy.

Returns

true if successful. false if already loaded.

References ilearnrw.datalogger.DataLogger.mUserStore.

Referenced by ilearnrw.prototype.application.Program.main().

6.5.3 Member Data Documentation

6.5.3.1 UserStore ilearnrw.datalogger.DataLogger.mUserStore = null [private]

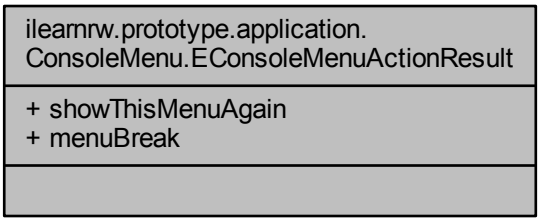
Referenced by ilearnrw.datalogger.DataLogger.getUserStore(), and ilearnrw.datalogger.DataLogger.loadUserStore().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/DataLogger.java

6.6 ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult Enum Reference

Collaboration diagram for ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult:



Public Attributes

- showThisMenuAgain
- menuBreak

6.6.1 Member Data Documentation

6.6.1.1 ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.menuBreak

Referenced by ilearnrw.prototype.application.ConsoleMenu.doModalMenu(), ilearnrw.prototype.application.-Program.main(), ilearnrw.prototype.application.ConsoleMenuAction.onSelected(), and ilearnrw.prototype.-application.DatabaseManager.onSelected().

6.6.1.2 ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.showThisMenuAgain

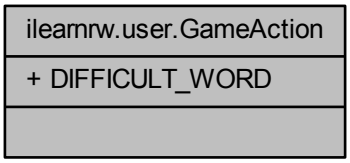
Referenced by ilearnrw.prototype.application.ConsoleMenu.doModalMenu(), ilearnrw.prototype.application.-Program.main(), ilearnrw.prototype.application.DatabaseManager.onSelected(), and ilearnrw.prototype.application.-ConsoleMenu.showMenu().

The documentation for this enum was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenu.java

6.7 ilearnrw.user.GameAction Enum Reference

Collaboration diagram for ilearnrw.user.GameAction:



Public Attributes

- DIFFICULT_WORD

6.7.1 Member Data Documentation

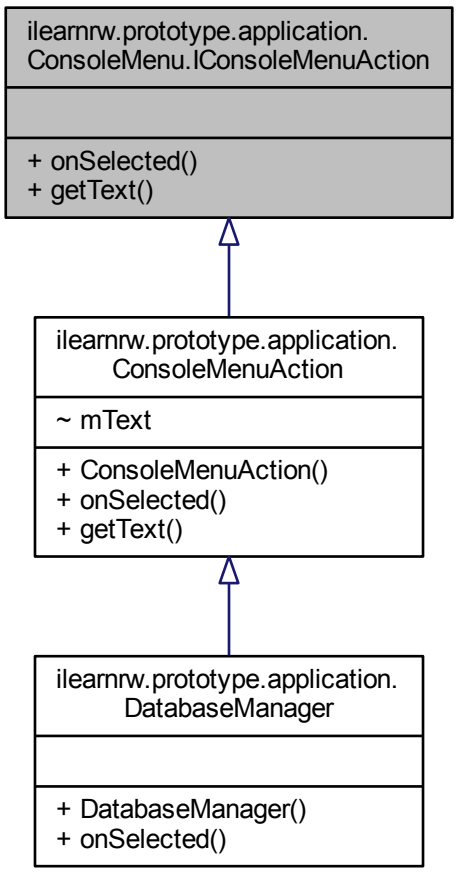
6.7.1.1 ilearnrw.user.GameAction.DIFFICULT_WORD

The documentation for this enum was generated from the following file:

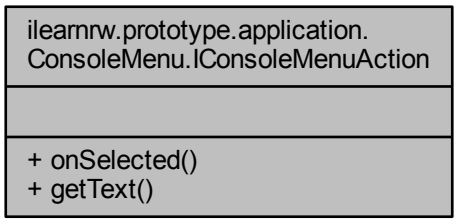
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/GameAction.java

6.8 ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction Interface Reference

Inheritance diagram for ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction:



Collaboration diagram for ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction:



Public Member Functions

- EConsoleMenuActionResult onSelected (ConsoleMenu menu)
- String getText ()

6.8.1 Member Function Documentation

6.8.1.1 String ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.getText ( )

Implemented in ilearnrw.prototype.application.ConsoleMenuAction.

Referenced by ilearnrw.prototype.application.ConsoleMenu.showMenu().

6.8.1.2 EConsoleMenuActionResult ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction.onSelected (ConsoleMenu *menu*)

Implemented in ilearnrw.prototype.application.DatabaseManager, and ilearnrw.prototype.application.ConsoleMenuAction.

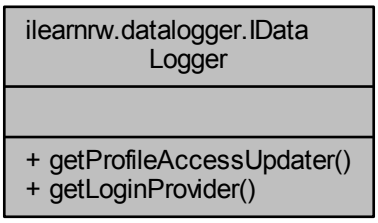
Referenced by ilearnrw.prototype.application.ConsoleMenu.showMenu().

The documentation for this interface was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/ConsoleMenu.java

6.9 ilearnrw.datalogger.IDataLogger Interface Reference

Collaboration diagram for ilearnrw.datalogger.IDataLogger:



Public Member Functions

- IProfileAccessUpdater getProfileAccessUpdater ()
- ILoginProvider getLoginProvider ()

6.9.1 Member Function Documentation

6.9.1.1 ILoginProvider ilearnrw.datalogger.IDataLogger.getLoginProvider ( )

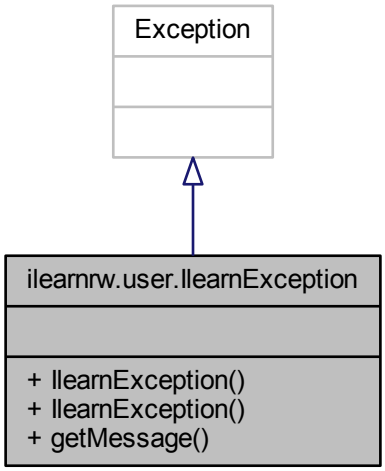
6.9.1.2 IProfileAccessUpdater ilearnrw.datalogger.IDataLogger.getProfileAccessUpdater ( )

The documentation for this interface was generated from the following file:

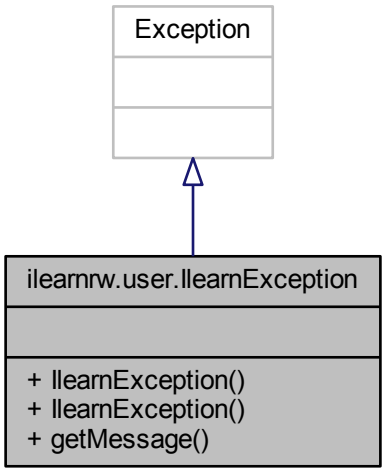
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IDataLogger.java

6.10 ilearnrw.user.IlearnException Class Reference

Inheritance diagram for ilearnrw.user.IlearnException:



Collaboration diagram for ilearnrw.user.IlearnException:



Public Member Functions

- IlearnException (String message)
- IlearnException (String message, Throwable throwable)
- String getMessage ()

6.10.1 Constructor & Destructor Documentation

6.10.1.1 ilearnrw.user.IlearnException.IlearnException (String *message*)

6.10.1.2 ilearnrw.user.IlearnException.IlearnException (String *message,* Throwable *throwable*)

6.10.2 Member Function Documentation

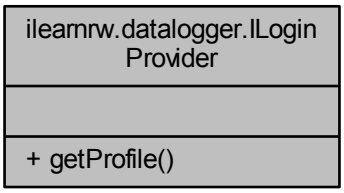
6.10.2.1 String ilearnrw.user.IlearnException.getMessage ( )

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/IlearnException.java

6.11 ilearnrw.datalogger.ILoginProvider Interface Reference

Collaboration diagram for ilearnrw.datalogger.ILoginProvider:



Public Member Functions

- UserProfile getProfile (String UserName, String Password)

  Authenticates a User.

6.11.1 Member Function Documentation

6.11.1.1 UserProfile ilearnrw.datalogger.ILoginProvider.getProfile (String *UserName,* String *Password*)

Authenticates a User.

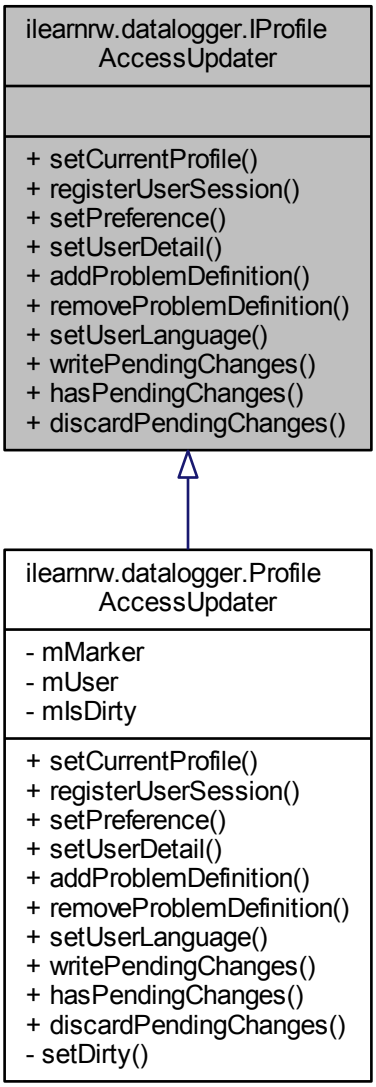
The documentation for this interface was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ILoginProider.java

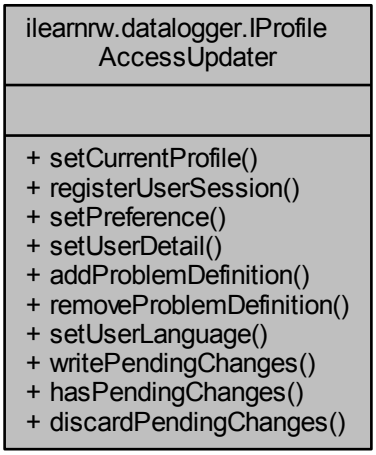
6.12 ilearnrw.datalogger.IProfileAccessUpdater Interface Reference

Interface to update profiles in the iLearnRW system.

Inheritance diagram for ilearnrw.datalogger.IProfileAccessUpdater:



Collaboration diagram for ilearnrw.datalogger.IProfileAccessUpdater:



Classes

- class PendingChangesAvailable

  Indicates that an action cannot be performed due to pending changes.
- class PermissionException

  The marker does not have permission to perform the requested change.

Public Member Functions

- boolean setCurrentProfile (UserProfile profile, UserProfile markerProfile) throws PermissionException, PendingChangesAvailable

  Sets the userprofile to work with and who will be the `marker` *for the changes.*
- boolean registerUserSession (UserSession session)

  Registers a new User session in the log.
- boolean setPreference (UserPreferences preferences)

  Registers a change to the users preferences.
- boolean setUserDetail (UserDetails userDetails)

  Updates a UserDetail.
- boolean addProblemDefinition (String URI)

  Adds a predefined ProblemDefinition to the user profile.
- boolean removeProblemDefinition (String URI)

  Removes a ProblemDefinition.
- boolean setUserLanguage (LanguageCode Language)

  Sets the userlanguage.
- UserProfile writePendingChanges ()

  Writes unwritten changes to the back end (persistent storage).
- boolean hasPendingChanges ()

  Checks if there are any changes pending.
- boolean discardPendingChanges ()

  Discards all pending changes.

6.12.1 Detailed Description

Interface to update profiles in the iLearnRW system.

This interface assumes that `Apps` would get a read-only copy of the users profile and would then have to use this interface to make changes to the profile. When the profile has been updated a new readonly copy would have to be fetched.

A nice side-effect is that we can make sure to log all changes to the profile.

Updater also manages

Registry - Handles/stores users/profiles.

UserAdd/delete etc.. Get user (given userid, password)

6.12.2 Member Function Documentation

6.12.2.1 boolean ilearnrw.datalogger.IProfileAccessUpdater.addProblemDefinition (String *URI*)

Adds a predefined ProblemDefinition to the user profile.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.2 boolean ilearnrw.datalogger.IProfileAccessUpdater.discardPendingChanges ( )

Discards all pending changes.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.3 boolean ilearnrw.datalogger.IProfileAccessUpdater.hasPendingChanges ( )

Checks if there are any changes pending.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.4 boolean ilearnrw.datalogger.IProfileAccessUpdater.registerUserSession (UserSession *session*)

Registers a new User session in the log.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.5 boolean ilearnrw.datalogger.IProfileAccessUpdater.removeProblemDefinition (String *URI*)

Removes a ProblemDefinition.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.6 boolean ilearnrw.datalogger.IProfileAccessUpdater.setCurrentProfile (UserProfile *profile*, UserProfile *markerProfile*) throws PermissionException, PendingChangesAvailable

Sets the userprofile to work with and who will be the `marker` for the changes.

Doing this once saves the application from passing the userprofile to all functions.

The `marker` can be the same as the profile to be edited.

Exceptions

PermissionException	Thrown when the admin profile does not have permissions to update the profile.
PendingChangesAvailable	Thrown when there are pending changes are available.

Parameters

profile	Profile of the user to update
markerProfile	Profile of the user who is doing the update

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.7 boolean ilearnrw.datalogger.IProfileAccessUpdater.setPreference (UserPreferences *preferences*)

Registers a change to the users preferences.

Should changes to user preferences be logged so that teachers/experts can be notified/see that a preference has been changed?

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.8 boolean ilearnrw.datalogger.IProfileAccessUpdater.setUserDetail (UserDetails *userDetails*)

Updates a UserDetail.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.9 boolean ilearnrw.datalogger.IProfileAccessUpdater.setUserLanguage (LanguageCode *Language*)

Sets the userlanguage.

Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

6.12.2.10 UserProfile ilearnrw.datalogger.IProfileAccessUpdater.writePendingChanges ( )

Writes unwritten changes to the back end (persistent storage).

This will flush all pending operations in the same order as they are added. This is important if for example the same preference is set twice.

Returns

The new profile after the changes has been applied.

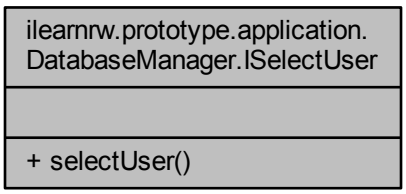
Implemented in ilearnrw.datalogger.ProfileAccessUpdater.

The documentation for this interface was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IProfileAccessUpdater.java

6.13 ilearnrw.prototype.application.DatabaseManager.ISelectUser Interface Reference

Collaboration diagram for ilearnrw.prototype.application.DatabaseManager.ISelectUser:



Public Member Functions

- User selectUser (ConsoleMenu menu)

6.13.1 Member Function Documentation

6.13.1.1 User ilearnrw.prototype.application.DatabaseManager.ISelectUser.selectUser (ConsoleMenu *menu*)

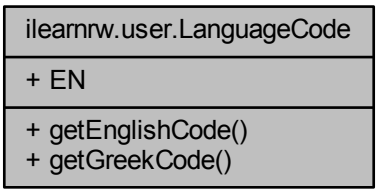
Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

The documentation for this interface was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/DatabaseManager.java

6.14 ilearnrw.user.LanguageCode Enum Reference

Collaboration diagram for ilearnrw.user.LanguageCode:



Static Public Member Functions

- static byte getEnglishCode ()
- static byte getGreekCode ()

Public Attributes

- EN

6.14.1 Member Function Documentation

6.14.1.1 static byte ilearnrw.user.LanguageCode.getEnglishCode ( ) [static]

Referenced by ilearnrw.user.UserDetails.setLanguage().

6.14.1.2 static byte ilearnrw.user.LanguageCode.getGreekCode ( ) [static]

6.14.2 Member Data Documentation

6.14.2.1 ilearnrw.user.LanguageCode.EN

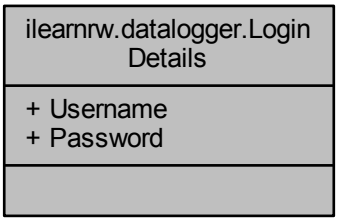
Referenced by ilearnrw.user.UserProblemsList.loadProblems(), ilearnrw.user.UserDetails.setLanguage(), and ilearnrw.user.UserProfile.UserProfile().

The documentation for this enum was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/LanguageCode.java

6.15 ilearnrw.datalogger.LoginDetails Class Reference

Collaboration diagram for ilearnrw.datalogger.LoginDetails:



Public Attributes

- String Username
- String Password

6.15.1 Member Data Documentation

6.15.1.1 String ilearnrw.datalogger.LoginDetails.Password

Referenced by ilearnrw.prototype.application.Program.getLoginDetails().

6.15.1.2 String ilearnrw.datalogger.LoginDetails.Username

Referenced by ilearnrw.prototype.application.Program.getLoginDetails().

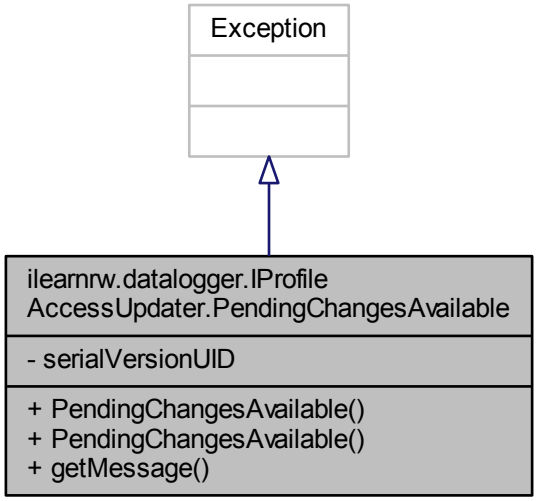
The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/LoginDetails.java

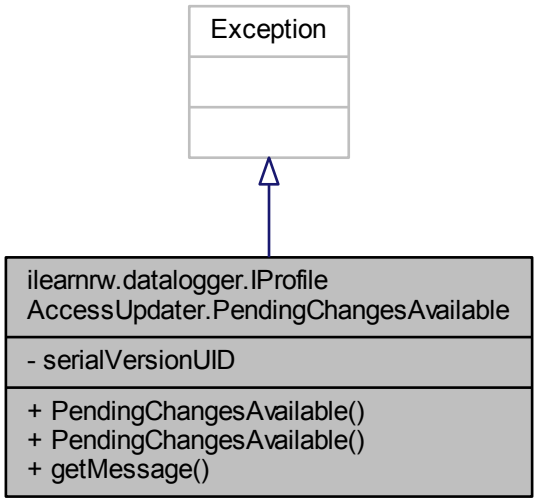
6.16 ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable Class Reference

Indicates that an action cannot be performed due to pending changes.

Inheritance diagram for ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable:



Collaboration diagram for ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable:



Public Member Functions

- PendingChangesAvailable (String message)
- PendingChangesAvailable (String message, Throwable throwable)
- String getMessage ()

Static Private Attributes

- static final long serialVersionUID = 1L

6.16.1 Detailed Description

Indicates that an action cannot be performed due to pending changes.

If the action was to be performed the pending changes would be lost.

6.16.2 Constructor & Destructor Documentation

6.16.2.1 ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable.PendingChangesAvailable (String *message*)

6.16.2.2 ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable.PendingChangesAvailable (String *message,* Throwable *throwable*)

6.16.3 Member Function Documentation

6.16.3.1 String ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable.getMessage ( )

6.16.4 Member Data Documentation

6.16.4.1 final long ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable.serialVersionUID = 1L [static], [private]

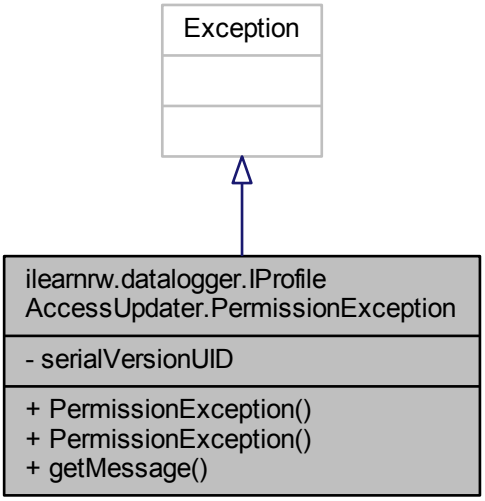
The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IProfileAccessUpdater.java

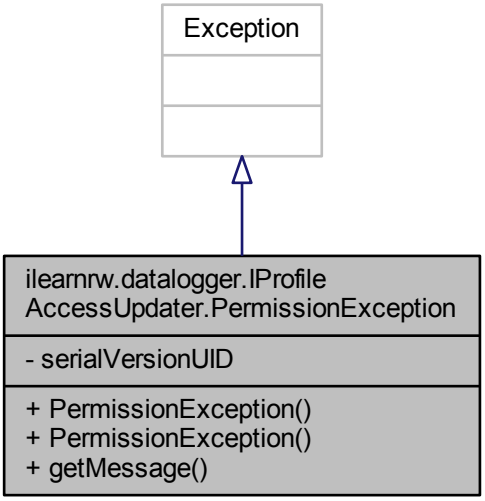
6.17 ilearnrw.datalogger.IProfileAccessUpdater.PermissionException Class Reference

The marker does not have permission to perform the requested change.

Inheritance diagram for ilearnrw.datalogger.IProfileAccessUpdater.PermissionException:



Collaboration diagram for ilearnrw.datalogger.IProfileAccessUpdater.PermissionException:



Public Member Functions

- PermissionException (String message)
- PermissionException (String message, Throwable throwable)
- String getMessage ()

Static Private Attributes

- static final long serialVersionUID = 1L

6.17.1 Detailed Description

The marker does not have permission to perform the requested change.

6.17.2 Constructor & Destructor Documentation

6.17.2.1 ilearnrw.datalogger.IProfileAccessUpdater.PermissionException.PermissionException (String *message*)

6.17.2.2 ilearnrw.datalogger.IProfileAccessUpdater.PermissionException.PermissionException (String *message,* Throwable *throwable*)

6.17.3 Member Function Documentation

6.17.3.1 String ilearnrw.datalogger.IProfileAccessUpdater.PermissionException.getMessage ( )

6.17.4 Member Data Documentation

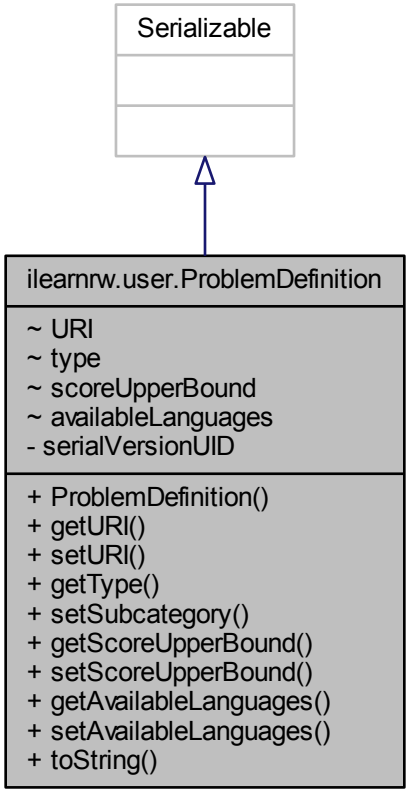
6.17.4.1 final long ilearnrw.datalogger.IProfileAccessUpdater.PermissionException.serialVersionUID = 1L [static], [private]

The documentation for this class was generated from the following file:

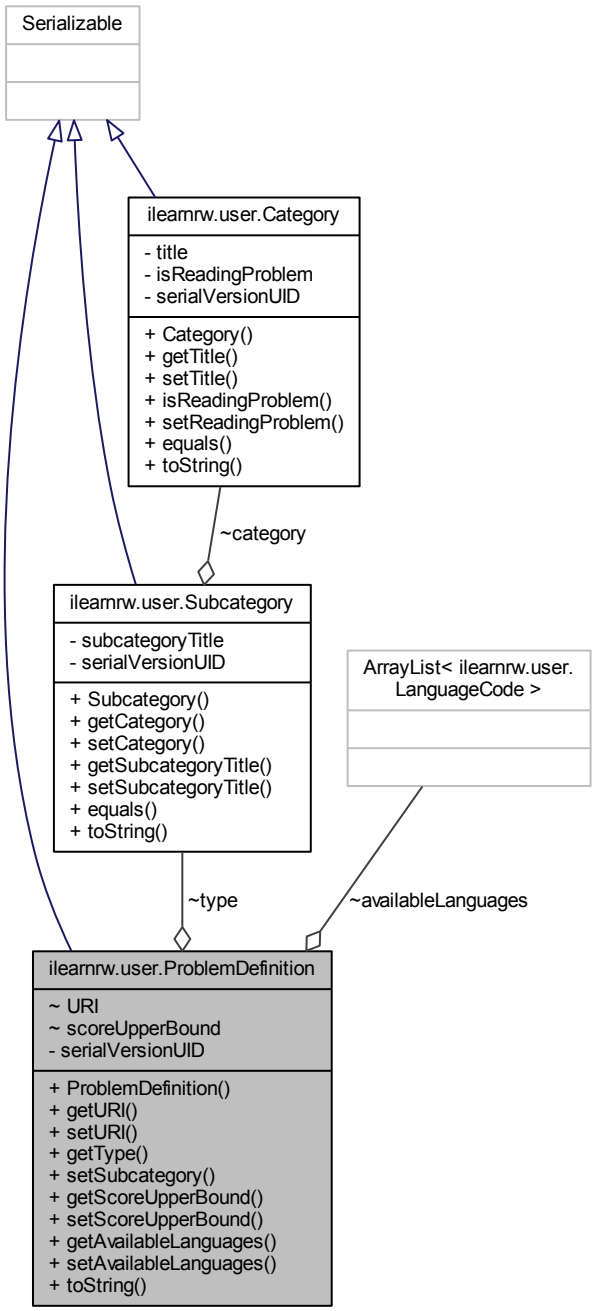
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IProfileAccessUpdater.java

6.18 ilearnrw.user.ProblemDefinition Class Reference

Inheritance diagram for ilearnrw.user.ProblemDefinition:



Collaboration diagram for ilearnrw.user.ProblemDefinition:



Public Member Functions

- ProblemDefinition (String URI, Subcategory type, int scoreUpperBound, ArrayList< LanguageCode > availableLanguages)
- String getURI ()
- void setURI (String uRI)
- Subcategory getType ()
- void setSubcategory (Subcategory type)

- int getScoreUpperBound ()
- void setScoreUpperBound (int scoreUpperBound)
- ArrayList< LanguageCode > getAvailableLanguages ()
- void setAvailableLanguages (ArrayList< LanguageCode > availableLanguages)
- String toString ()

Package Attributes

- String URI
- Subcategory type
- int scoreUpperBound
- ArrayList< LanguageCode > availableLanguages

Static Private Attributes

- static final long serialVersionUID = 1L

6.18.1 Constructor & Destructor Documentation

6.18.1.1 ilearnrw.user.ProblemDefinition.ProblemDefinition (String *URI,* Subcategory *type,* int *scoreUpperBound,* ArrayList< LanguageCode > *availableLanguages*)

References ilearnrw.user.ProblemDefinition.availableLanguages, ilearnrw.user.ProblemDefinition.scoreUpperBound, ilearnrw.user.ProblemDefinition.type, and ilearnrw.user.ProblemDefinition.URI.

6.18.2 Member Function Documentation

6.18.2.1 ArrayList<LanguageCode> ilearnrw.user.ProblemDefinition.getAvailableLanguages ( )

References ilearnrw.user.ProblemDefinition.availableLanguages.

Referenced by ilearnrw.user.UserProblemsList.loadProblems().

6.18.2.2 int ilearnrw.user.ProblemDefinition.getScoreUpperBound ( )

References ilearnrw.user.ProblemDefinition.scoreUpperBound.

Referenced by ilearnrw.user.UserProblem.UserProblem().

6.18.2.3 Subcategory ilearnrw.user.ProblemDefinition.getType ( )

References ilearnrw.user.ProblemDefinition.type.

6.18.2.4 String ilearnrw.user.ProblemDefinition.getURI ( )

References ilearnrw.user.ProblemDefinition.URI.

6.18.2.5 void ilearnrw.user.ProblemDefinition.setAvailableLanguages (ArrayList< LanguageCode > *availableLanguages*)

References ilearnrw.user.ProblemDefinition.availableLanguages.

6.18.2.6 void ilearnrw.user.ProblemDefinition.setScoreUpperBound (int *scoreUpperBound*)

References ilearnrw.user.ProblemDefinition.scoreUpperBound.

6.18.2.7 void ilearnrw.user.ProblemDefinition.setSubcategory (Subcategory *type*)

References ilearnrw.user.ProblemDefinition.type.

6.18.2.8 void ilearnrw.user.ProblemDefinition.setURI (String *uRI*)

References ilearnrw.user.ProblemDefinition.URI.

6.18.2.9 String ilearnrw.user.ProblemDefinition.toString ( )

References ilearnrw.user.ProblemDefinition.availableLanguages, ilearnrw.user.ProblemDefinition.scoreUpperBound, ilearnrw.user.ProblemDefinition.type, and ilearnrw.user.ProblemDefinition.URI.

6.18.3 Member Data Documentation

6.18.3.1 ArrayList<LanguageCode> ilearnrw.user.ProblemDefinition.availableLanguages [package]

Referenced by ilearnrw.user.ProblemDefinition.getAvailableLanguages(), ilearnrw.user.ProblemDefinition.ProblemDefinition(), ilearnrw.user.ProblemDefinition.setAvailableLanguages(), and ilearnrw.user.ProblemDefinition.toString().

6.18.3.2 int ilearnrw.user.ProblemDefinition.scoreUpperBound [package]

Referenced by ilearnrw.user.ProblemDefinition.getScoreUpperBound(), ilearnrw.user.ProblemDefinition.ProblemDefinition(), ilearnrw.user.ProblemDefinition.setScoreUpperBound(), and ilearnrw.user.ProblemDefinition.toString().

6.18.3.3 final long ilearnrw.user.ProblemDefinition.serialVersionUID = 1L [static], [private]

6.18.3.4 Subcategory ilearnrw.user.ProblemDefinition.type [package]

Referenced by ilearnrw.user.ProblemDefinition.getType(), ilearnrw.user.ProblemDefinition.ProblemDefinition(), ilearnrw.user.ProblemDefinition.setSubcategory(), and ilearnrw.user.ProblemDefinition.toString().

6.18.3.5 String ilearnrw.user.ProblemDefinition.URI [package]

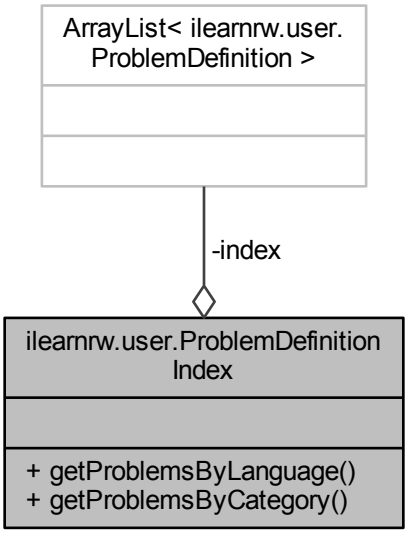
Referenced by ilearnrw.user.ProblemDefinition.getURI(), ilearnrw.user.ProblemDefinition.ProblemDefinition(), ilearnrw.user.ProblemDefinition.setURI(), and ilearnrw.user.ProblemDefinition.toString().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinition.java

6.19 ilearnrw.user.ProblemDefinitionIndex Class Reference

Collaboration diagram for ilearnrw.user.ProblemDefinitionIndex:



Public Member Functions

- ArrayList< ProblemDefinition > getProblemsByLanguage (LanguageCode x)
- ArrayList< ProblemDefinition > getProblemsByCategory (Category x)

Private Attributes

- ArrayList< ProblemDefinition > index

6.19.1 Member Function Documentation

6.19.1.1 ArrayList<ProblemDefinition> ilearnrw.user.ProblemDefinitionIndex.getProblemsByCategory (Category *x*)

References ilearnrw.user.ProblemDefinitionIndex.index.

6.19.1.2 ArrayList<ProblemDefinition> ilearnrw.user.ProblemDefinitionIndex.getProblemsByLanguage (LanguageCode *x*)

References ilearnrw.user.ProblemDefinitionIndex.index.

6.19.2 Member Data Documentation

6.19.2.1 ArrayList<ProblemDefinition> ilearnrw.user.ProblemDefinitionIndex.index [private]

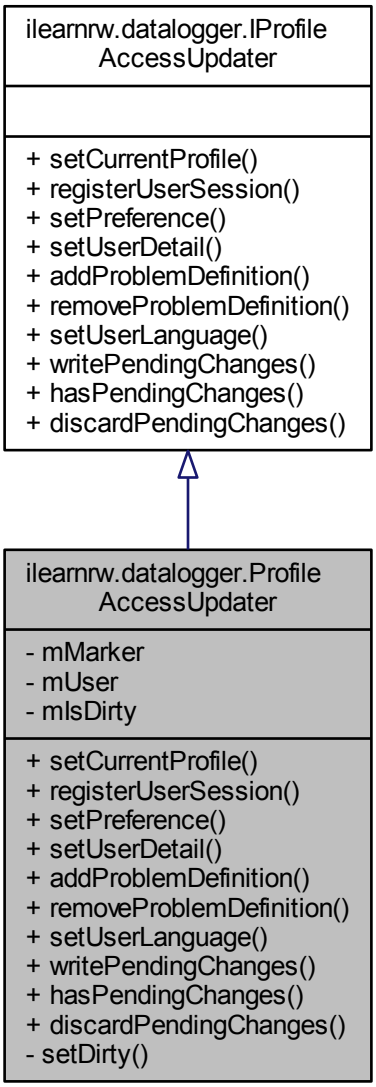
Referenced by ilearnrw.user.ProblemDefinitionIndex.getProblemsByCategory(), and ilearnrw.user.ProblemDefinitionIndex.getProblemsByLanguage().

The documentation for this class was generated from the following file:

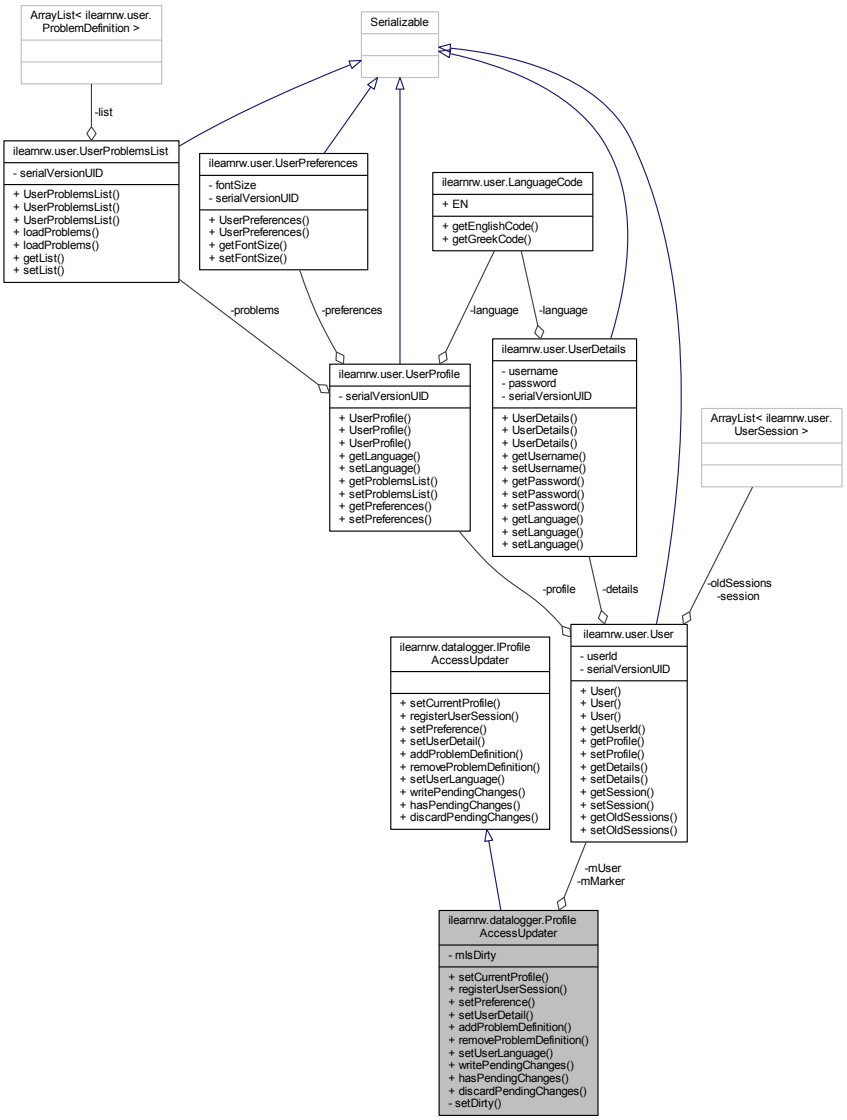
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinitionIndex.java

6.20 ilearnrw.datalogger.ProfileAccessUpdater Class Reference

Inheritance diagram for ilearnrw.datalogger.ProfileAccessUpdater:



Collaboration diagram for ilearnrw.datalogger.ProfileAccessUpdater:



Public Member Functions

- boolean setCurrentProfile (UserProfile profile, UserProfile markerProfile) throws PermissionException, -PendingChangesAvailable

  Sets the userprofile to work with and who will be the `marker` for the changes.
- boolean registerUserSession (UserSession session)

  Registers a new User session in the log.
- boolean setPreference (UserPreferences pref)

  Registers a change to the users preferences.
- boolean setUserDetail (UserDetails userDetails)

  Updates a UserDetail.
- boolean addProblemDefinition (String URI)

  Adds a predefined ProblemDefinition to the user profile.
- boolean removeProblemDefinition (String URI)

Removes a ProblemDefinition.

- boolean setUserLanguage (LanguageCode Language)

  Sets the userlanguage.
- UserProfile writePendingChanges ()

  Writes unwritten changes to the back end (persistent storage).
- boolean hasPendingChanges ()

  Checks if there are any changes pending.
- boolean discardPendingChanges ()

  Discards all pending changes.

Private Member Functions

- void setDirty ()

Private Attributes

- User mMarker

  The currently selected marker profile.
- User mUser

  The profile to be updated.
- boolean mIsDirty

  Access to storage-backend.

6.20.1 Detailed Description

Note

This class currently does not make use of the potential to log every action and the marker.

6.20.2 Member Function Documentation

6.20.2.1 boolean ilearnrw.datalogger.ProfileAccessUpdater.addProblemDefinition (String *URI*)

Adds a predefined ProblemDefinition to the user profile.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.2 boolean ilearnrw.datalogger.ProfileAccessUpdater.discardPendingChanges ( )

Discards all pending changes.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.3 boolean ilearnrw.datalogger.ProfileAccessUpdater.hasPendingChanges ( )

Checks if there are any changes pending.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.4 boolean ilearnrw.datalogger.ProfileAccessUpdater.registerUserSession (UserSession *session*)

Registers a new User session in the log.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.5 boolean ilearnrw.datalogger.ProfileAccessUpdater.removeProblemDefinition (String *URI*)

Removes a ProblemDefinition.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.6 boolean ilearnrw.datalogger.ProfileAccessUpdater.setCurrentProfile (UserProfile *profile,* UserProfile *markerProfile*) throws PermissionException, PendingChangesAvailable

Sets the userprofile to work with and who will be the `marker` for the changes.

Doing this once saves the application from passing the userprofile to all functions.

The `marker` can be the same as the profile to be edited.

Exceptions

PermissionException	Thrown when the admin profile does not have permissions to update the profile.
PendingChangesAvailable	Thrown when there are pending changes are available.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.7 void ilearnrw.datalogger.ProfileAccessUpdater.setDirty ( ) [private]

References ilearnrw.datalogger.ProfileAccessUpdater.mIsDirty.

Referenced by ilearnrw.datalogger.ProfileAccessUpdater.setPreference().

6.20.2.8 boolean ilearnrw.datalogger.ProfileAccessUpdater.setPreference (UserPreferences *preferences*)

Registers a change to the users preferences.

Should changes to user preferences be logged so that teachers/experts can be notified/see that a preference has been changed?

Implements ilearnrw.datalogger.IProfileAccessUpdater.

References ilearnrw.datalogger.ProfileAccessUpdater.setDirty().

6.20.2.9 boolean ilearnrw.datalogger.ProfileAccessUpdater.setUserDetail (UserDetails *userDetails*)

Updates a UserDetail.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.10 boolean ilearnrw.datalogger.ProfileAccessUpdater.setUserLanguage (LanguageCode *Language*)

Sets the userlanguage.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

6.20.2.11 UserProfile ilearnrw.datalogger.ProfileAccessUpdater.writePendingChanges ( )

Writes unwritten changes to the back end (persistent storage).

This will flush all pending operations in the same order as they are added. This is important if for example the same preference is set twice.

Returns

The new profile after the changes has been applied.

Implements ilearnrw.datalogger.IProfileAccessUpdater.

References ilearnrw.user.User.getProfile(), and ilearnrw.datalogger.ProfileAccessUpdater.mUser.

6.20.3 Member Data Documentation

6.20.3.1 boolean ilearnrw.datalogger.ProfileAccessUpdater.mIsDirty [private]

Access to storage-backend.

Referenced by ilearnrw.datalogger.ProfileAccessUpdater.setDirty().

6.20.3.2 User ilearnrw.datalogger.ProfileAccessUpdater.mMarker [private]

The currently selected marker profile.

The marker profile is used to show who made a certain change/log in the system

6.20.3.3 User ilearnrw.datalogger.ProfileAccessUpdater.mUser [private]

The profile to be updated.

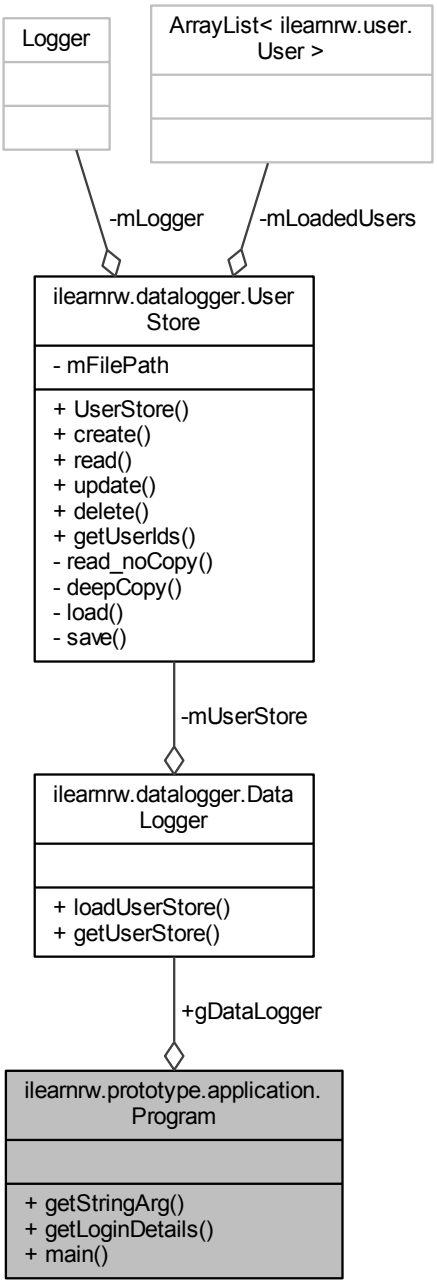
Referenced by ilearnrw.datalogger.ProfileAccessUpdater.writePendingChanges().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ProfileAccessUpdater.java

6.21 ilearnrw.prototype.application.Program Class Reference

Collaboration diagram for ilearnrw.prototype.application.Program:



Static Public Member Functions

- static String getStringArg (String name, String[] args) throws Exception
- static LoginDetails getLoginDetails ()
- static void main (String[] args)

Static Public Attributes

- static DataLogger gDataLogger = new DataLogger()

6.21.1 Member Function Documentation

6.21.1.1 static LoginDetails ilearnrw.prototype.application.Program.getLoginDetails ( ) [static]

References ilearnrw.datalogger.LoginDetails.Password, and ilearnrw.datalogger.LoginDetails.Username.

6.21.1.2 static String ilearnrw.prototype.application.Program.getStringArg (String *name,* String[] *args*) throws Exception [static]

Referenced by ilearnrw.prototype.application.Program.main().

6.21.1.3 static void ilearnrw.prototype.application.Program.main (String[] *args*) [static]

Parameters

args	Commandline arguments.

Commandline arguments:

–db <filePath> Database file to use (required)

References ilearnrw.prototype.application.ConsoleMenu.doModalMenu(), ilearnrw.prototype.application.Program.gDataLogger, ilearnrw.prototype.application.Program.getStringArg(), ilearnrw.datalogger.DataLogger.loadUserStore(), ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.menuBreak, and ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult.showThisMenuAgain.

6.21.2 Member Data Documentation

6.21.2.1 DataLogger ilearnrw.prototype.application.Program.gDataLogger = new DataLogger() [static]

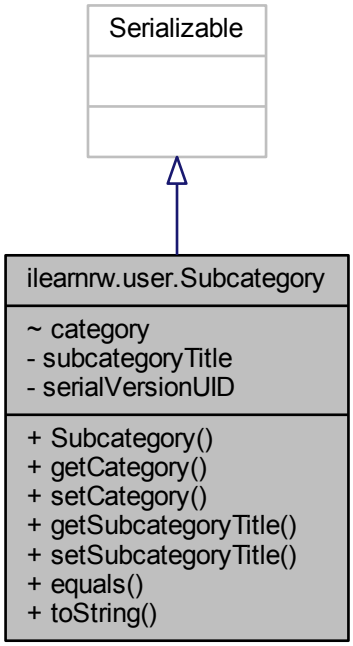
Referenced by ilearnrw.prototype.application.Program.main(), and ilearnrw.prototype.application.DatabaseManager.onSelected().

The documentation for this class was generated from the following file:

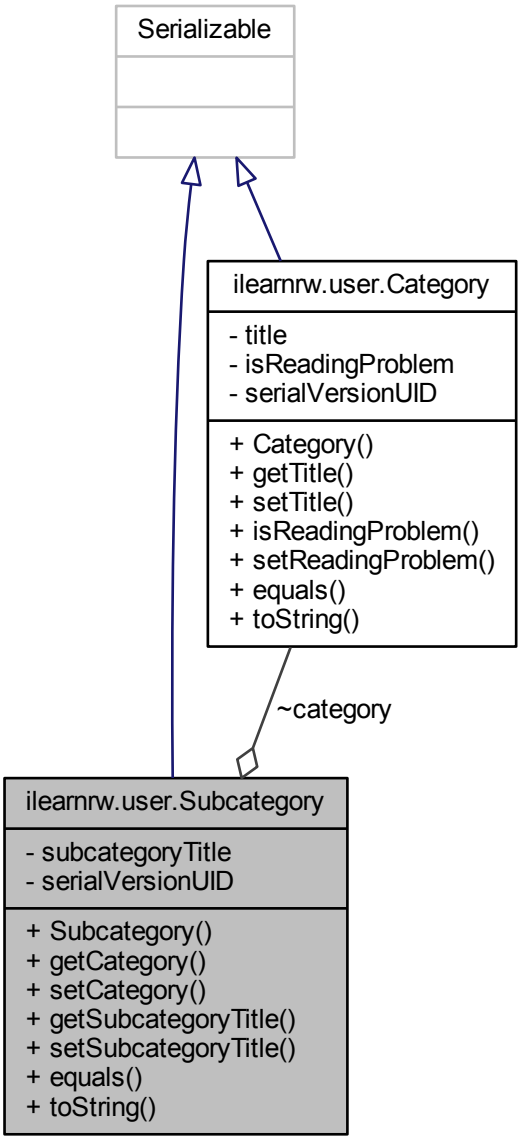
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/Program.java

6.22 ilearnrw.user.Subcategory Class Reference

Inheritance diagram for ilearnrw.user.Subcategory:



Collaboration diagram for ilearnrw.user.Subcategory:



Public Member Functions

- Subcategory (String subcategoryTitle, Category category)
- Category getCategory ()
- void setCategory (Category category)
- String getSubcategoryTitle ()
- void setSubcategoryTitle (String subcategoryTitle)
- boolean equals (Object obj)
- String toString ()

Package Attributes

- Category category

Private Attributes

- String subcategoryTitle

Static Private Attributes

- static final long serialVersionUID = 1L

6.22.1 Constructor & Destructor Documentation

6.22.1.1 ilearnrw.user.Subcategory.Subcategory (String *subcategoryTitle,* Category *category*)

References ilearnrw.user.Subcategory.category, and ilearnrw.user.Subcategory.subcategoryTitle.

Referenced by ilearnrw.user.Subcategory.equals().

6.22.2 Member Function Documentation

6.22.2.1 boolean ilearnrw.user.Subcategory.equals (Object *obj*)

References ilearnrw.user.Subcategory.category, ilearnrw.user.Subcategory.getCategory(), ilearnrw.user.Subcategory.getSubcategoryTitle(), ilearnrw.user.Category.getTitle(), ilearnrw.user.Subcategory.Subcategory(), and ilearnrw.user.Subcategory.subcategoryTitle.

6.22.2.2 Category ilearnrw.user.Subcategory.getCategory ( )

References ilearnrw.user.Subcategory.category.

Referenced by ilearnrw.user.Subcategory.equals().

6.22.2.3 String ilearnrw.user.Subcategory.getSubcategoryTitle ( )

References ilearnrw.user.Subcategory.subcategoryTitle.

Referenced by ilearnrw.user.Subcategory.equals().

6.22.2.4 void ilearnrw.user.Subcategory.setCategory (Category *category*)

References ilearnrw.user.Subcategory.category.

6.22.2.5 void ilearnrw.user.Subcategory.setSubcategoryTitle (String *subcategoryTitle*)

References ilearnrw.user.Subcategory.subcategoryTitle.

6.22.2.6 String ilearnrw.user.Subcategory.toString ( )

References ilearnrw.user.Subcategory.category, and ilearnrw.user.Subcategory.subcategoryTitle.

6.22.3 Member Data Documentation

6.22.3.1 Category ilearnrw.user.Subcategory.category [package]

Referenced by ilearnrw.user.Subcategory.equals(), ilearnrw.user.Subcategory.getCategory(), ilearnrw.user.Subcategory.setCategory(), ilearnrw.user.Subcategory.Subcategory(), and ilearnrw.user.Subcategory.toString().

6.22.3.2 final long ilearnrw.user.Subcategory.serialVersionUID = 1L [static], [private]

6.22.3.3 String ilearnrw.user.Subcategory.subcategoryTitle [private]

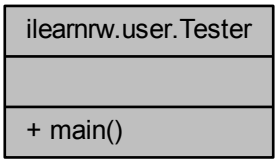
Referenced by ilearnrw.user.Subcategory.equals(), ilearnrw.user.Subcategory.getSubcategoryTitle(), ilearnrw.user.Subcategory.setSubcategoryTitle(), ilearnrw.user.Subcategory.Subcategory(), and ilearnrw.user.Subcategory.toString().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Subcategory.java

6.23 ilearnrw.user.Tester Class Reference

Collaboration diagram for ilearnrw.user.Tester:



Static Public Member Functions

- static void main (String[] args)

6.23.1 Member Function Documentation

6.23.1.1 static void ilearnrw.user.Tester.main (String[] *args*) [static]

Parameters

args	

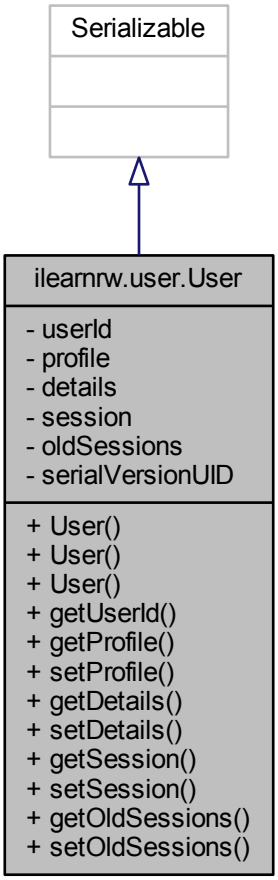
References ilearnrw.user.UserProblemsList.getList(), ilearnrw.user.UserProfile.getProblemsList(), and ilearnrw.user.User.getProfile().

The documentation for this class was generated from the following file:

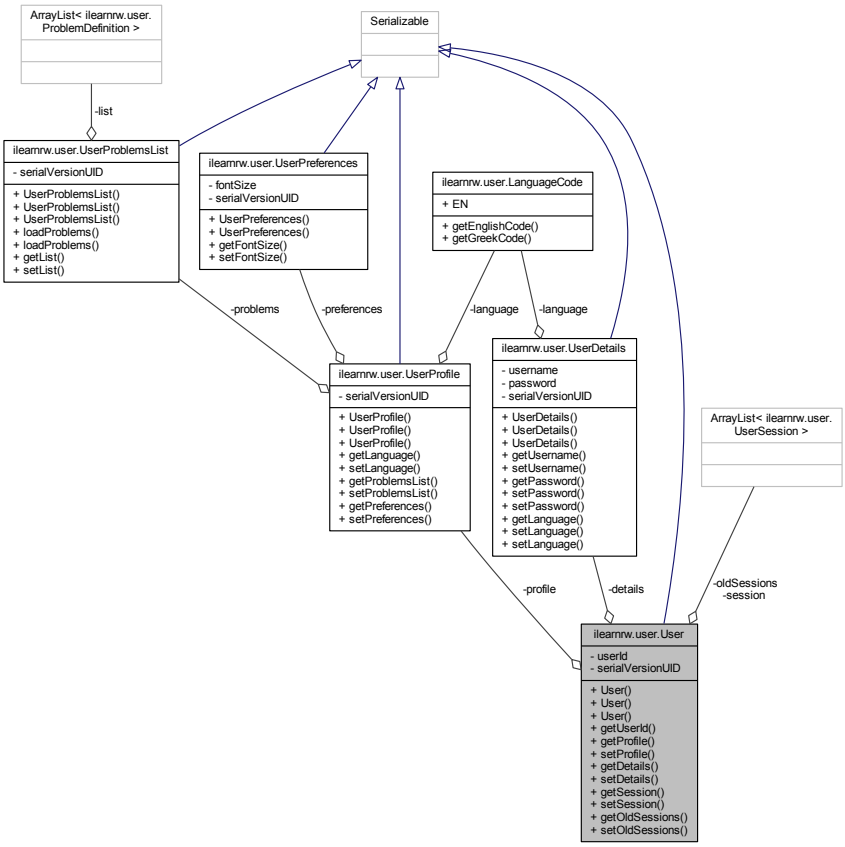
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Tester.java

6.24 ilearnrw.user.User Class Reference

Inheritance diagram for ilearnrw.user.User:



Collaboration diagram for ilearnrw.user.User:



Public Member Functions

- User (int userId, UserProfile profile, UserDetails details, ArrayList< UserSession > oldSessions)
- User (LanguageCode lc)
- User (int userId)
- int getUserId ()
- UserProfile getProfile ()
- void setProfile (UserProfile profile)
- UserDetails getDetails ()
- void setDetails (UserDetails details)
- ArrayList< UserSession > getSession ()
- void setSession (ArrayList< UserSession > session)
- ArrayList< UserSession > getOldSessions ()
- void setOldSessions (ArrayList< UserSession > oldSessions)

Private Attributes

- int userId
- UserProfile profile
- UserDetails details
- ArrayList< UserSession > session
- ArrayList< UserSession > oldSessions

Static Private Attributes

- static final long serialVersionUID = 1L

6.24.1 Constructor & Destructor Documentation

6.24.1.1 ilearnrw.user.User.User (int *userId,* UserProfile *profile,* UserDetails *details,* ArrayList< UserSession > *oldSessions*)

References ilearnrw.user.User.details, ilearnrw.user.User.oldSessions, ilearnrw.user.User.profile, ilearnrw.user.User.session, and ilearnrw.user.User.userId.

6.24.1.2 ilearnrw.user.User.User (LanguageCode *lc*)

References ilearnrw.user.User.details, ilearnrw.user.User.oldSessions, ilearnrw.user.User.profile, ilearnrw.user.User.session, and ilearnrw.user.User.userId.

6.24.1.3 ilearnrw.user.User.User (int *userId*)

References ilearnrw.user.User.details, ilearnrw.user.User.oldSessions, ilearnrw.user.User.profile, ilearnrw.user.User.session, and ilearnrw.user.User.userId.

6.24.2 Member Function Documentation

6.24.2.1 UserDetails ilearnrw.user.User.getDetails ( )

References ilearnrw.user.User.details.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.24.2.2 ArrayList<UserSession> ilearnrw.user.User.getOldSessions ( )

References ilearnrw.user.User.oldSessions.

6.24.2.3 UserProfile ilearnrw.user.User.getProfile ( )

References ilearnrw.user.User.profile.

Referenced by ilearnrw.user.Tester.main(), and ilearnrw.datalogger.ProfileAccessUpdater.writePendingChanges().

6.24.2.4 ArrayList<UserSession> ilearnrw.user.User.getSession ( )

References ilearnrw.user.User.session.

6.24.2.5 int ilearnrw.user.User.getUserId ( )

References ilearnrw.user.User.userId.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected(), and ilearnrw.datalogger.UserStore.update().

6.24.2.6 void ilearnrw.user.User.setDetails (UserDetails *details*)

References ilearnrw.user.User.details.

6.24.2.7 void ilearnrw.user.User.setOldSessions (ArrayList< UserSession > *oldSessions*)

References ilearnrw.user.User.oldSessions.

6.24.2.8 void ilearnrw.user.User.setProfile (UserProfile *profile*)

References ilearnrw.user.User.profile.

6.24.2.9 void ilearnrw.user.User.setSession (ArrayList< UserSession > *session*)

References ilearnrw.user.User.session.

6.24.3 Member Data Documentation

6.24.3.1 UserDetails ilearnrw.user.User.details [private]

Referenced by ilearnrw.user.User.getDetails(), ilearnrw.user.User.setDetails(), and ilearnrw.user.User.User().

6.24.3.2 ArrayList<UserSession> ilearnrw.user.User.oldSessions [private]

Referenced by ilearnrw.user.User.getOldSessions(), ilearnrw.user.User.setOldSessions(), and ilearnrw.user.User.-User().

6.24.3.3 UserProfile ilearnrw.user.User.profile [private]

Referenced by ilearnrw.user.User.getProfile(), ilearnrw.user.User.setProfile(), and ilearnrw.user.User.User().

6.24.3.4 final long ilearnrw.user.User.serialVersionUID = 1L [static], [private]

6.24.3.5 ArrayList<UserSession> ilearnrw.user.User.session [private]

Referenced by ilearnrw.user.User.getSession(), ilearnrw.user.User.setSession(), and ilearnrw.user.User.User().

6.24.3.6 int ilearnrw.user.User.userId [private]

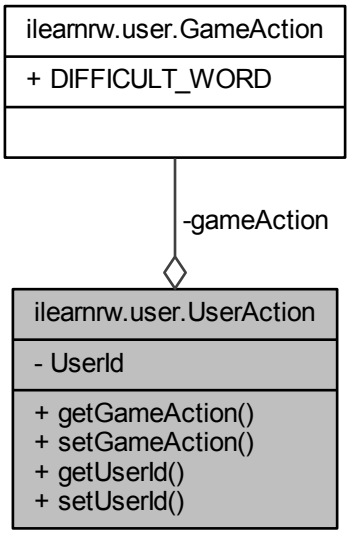
Referenced by ilearnrw.user.User.getUserId(), and ilearnrw.user.User.User().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/User.java

6.25 ilearnrw.user.UserAction Class Reference

Collaboration diagram for ilearnrw.user.UserAction:



Public Member Functions

- GameAction getGameAction ()
- void setGameAction (GameAction gameAction)
- int getUserId ()
- void setUserId (int userId)

Private Attributes

- GameAction gameAction
- int UserId

6.25.1 Member Function Documentation

6.25.1.1 GameAction ilearnrw.user.UserAction.getGameAction ( )

References ilearnrw.user.UserAction.gameAction.

6.25.1.2 int ilearnrw.user.UserAction.getUserId ( )

References ilearnrw.user.UserAction.UserId.

6.25.1.3 void ilearnrw.user.UserAction.setGameAction (GameAction *gameAction*)

References ilearnrw.user.UserAction.gameAction.

6.25.1.4 void ilearnrw.user.UserAction.setUserId (int *userId*)

References ilearnrw.user.UserAction.UserId.

6.25.2 Member Data Documentation

6.25.2.1 GameAction ilearnrw.user.UserAction.gameAction [private]

Referenced by ilearnrw.user.UserAction.getGameAction(), and ilearnrw.user.UserAction.setGameAction().

6.25.2.2 int ilearnrw.user.UserAction.UserId [private]

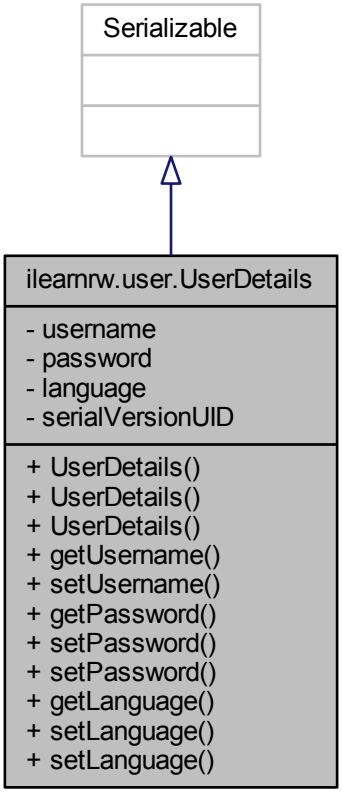
Referenced by ilearnrw.user.UserAction.getUserId(), and ilearnrw.user.UserAction.setUserId().

The documentation for this class was generated from the following file:

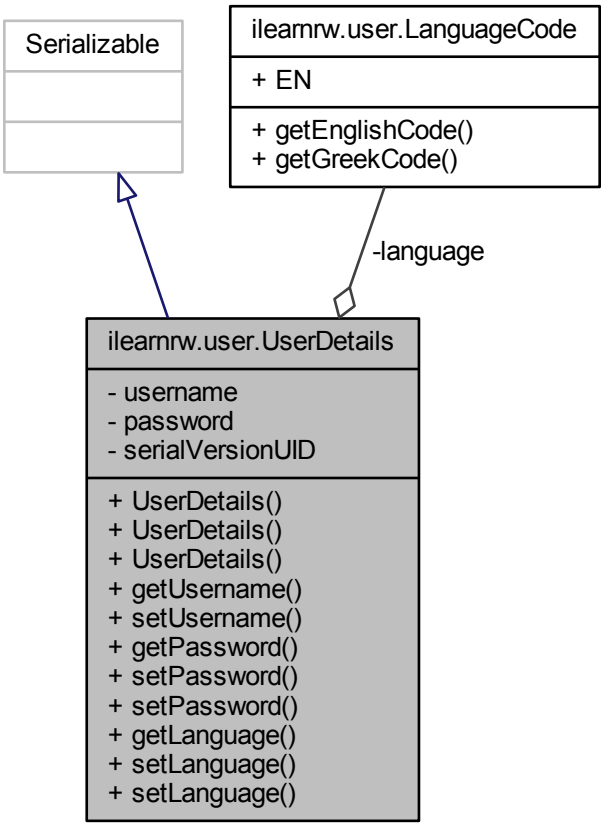
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserAction.java

6.26 ilearnrw.user.UserDetails Class Reference

Inheritance diagram for ilearnrw.user.UserDetails:



Collaboration diagram for ilearnrw.user.UserDetails:



Public Member Functions

- UserDetails (String username, int password, LanguageCode language)
- UserDetails (LanguageCode language)
- UserDetails (int userId)
- String getUsername ()
- void setUsername (String username)
- int getPassword ()
- void setPassword (int password)
- void setPassword (String password)
- LanguageCode getLanguage ()
- void setLanguage (LanguageCode language)
- void setLanguage (byte languageCode)

Private Attributes

- String username
- int password
- LanguageCode language

Static Private Attributes

- static final long serialVersionUID = 1L

6.26.1 Constructor & Destructor Documentation

6.26.1.1 ilearnrw.user.UserDetails.UserDetails (String *username,* int *password,* LanguageCode *language*)

References ilearnrw.user.UserDetails.language, ilearnrw.user.UserDetails.password, and ilearnrw.user.UserDetails.username.

6.26.1.2 ilearnrw.user.UserDetails.UserDetails (LanguageCode *language*)

References ilearnrw.user.UserDetails.language, ilearnrw.user.UserDetails.password, and ilearnrw.user.UserDetails.username.

6.26.1.3 ilearnrw.user.UserDetails.UserDetails (int *userId*)

References ilearnrw.user.LanguageCode.GR, ilearnrw.user.UserDetails.language, ilearnrw.user.UserDetails.password, and ilearnrw.user.UserDetails.username.

6.26.2 Member Function Documentation

6.26.2.1 LanguageCode ilearnrw.user.UserDetails.getLanguage ( )

References ilearnrw.user.UserDetails.language.

6.26.2.2 int ilearnrw.user.UserDetails.getPassword ( )

Returns

the hash value of the user's password

References ilearnrw.user.UserDetails.password.

6.26.2.3 String ilearnrw.user.UserDetails.getUsername ( )

References ilearnrw.user.UserDetails.username.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.26.2.4 void ilearnrw.user.UserDetails.setLanguage (LanguageCode *language*)

Parameters

the	language code as a enum item

References ilearnrw.user.UserDetails.language.

6.26.2.5 void ilearnrw.user.UserDetails.setLanguage (byte *languageCode*)

Parameters

the	language code as a enum item

References ilearnrw.user.LanguageCode.EN, ilearnrw.user.LanguageCode.getEnglishCode(), ilearnrw.user.LanguageCode.GR, and ilearnrw.user.UserDetails.language.

6.26.2.6 void ilearnrw.user.UserDetails.setPassword (int *password*)

Parameters

the	hash value of the users password

References ilearnrw.user.UserDetails.password.

6.26.2.7 void ilearnrw.user.UserDetails.setPassword (String *password*)

Parameters

the	user's password as a string

6.26.2.8 void ilearnrw.user.UserDetails.setUsername (String *username*)

References ilearnrw.user.UserDetails.username.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.26.3 Member Data Documentation

6.26.3.1 LanguageCode ilearnrw.user.UserDetails.language [private]

Referenced by ilearnrw.user.UserDetails.getLanguage(), ilearnrw.user.UserDetails.setLanguage(), and ilearnrw.user.UserDetails.UserDetails().

6.26.3.2 int ilearnrw.user.UserDetails.password [private]

Referenced by ilearnrw.user.UserDetails.getPassword(), ilearnrw.user.UserDetails.setPassword(), and ilearnrw.user.UserDetails.UserDetails().

6.26.3.3 final long ilearnrw.user.UserDetails.serialVersionUID = 1L [static], [private]

6.26.3.4 String ilearnrw.user.UserDetails.username [private]

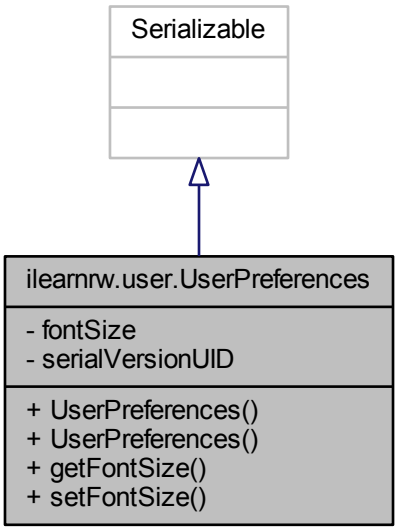
Referenced by ilearnrw.user.UserDetails.getUsername(), ilearnrw.user.UserDetails.setUsername(), and ilearnrw.user.UserDetails.UserDetails().

The documentation for this class was generated from the following file:

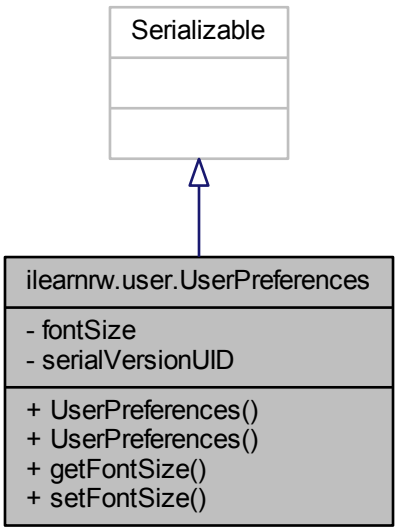
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserDetails.java

6.27 ilearnrw.user.UserPreferences Class Reference

Inheritance diagram for ilearnrw.user.UserPreferences:



Collaboration diagram for ilearnrw.user.UserPreferences:



Public Member Functions

- UserPreferences ()
- UserPreferences (int fontSize)
- int getFontSize ()
- void setFontSize (int fontSize)

Private Attributes

- int fontSize

Static Private Attributes

- static final long serialVersionUID = 1L

6.27.1 Constructor & Destructor Documentation

6.27.1.1 ilearnrw.user.UserPreferences.UserPreferences ( )

References ilearnrw.user.UserPreferences.setFontSize().

6.27.1.2 ilearnrw.user.UserPreferences.UserPreferences (int *fontSize*)

References ilearnrw.user.UserPreferences.setFontSize().

6.27.2 Member Function Documentation

6.27.2.1 int ilearnrw.user.UserPreferences.getFontSize ( )

References ilearnrw.user.UserPreferences.fontSize.

6.27.2.2 void ilearnrw.user.UserPreferences.setFontSize (int *fontSize*)

References ilearnrw.user.UserPreferences.fontSize.

Referenced by ilearnrw.user.UserPreferences.UserPreferences().

6.27.3 Member Data Documentation

6.27.3.1 int ilearnrw.user.UserPreferences.fontSize [private]

Referenced by ilearnrw.user.UserPreferences.getFontSize(), and ilearnrw.user.UserPreferences.setFontSize().

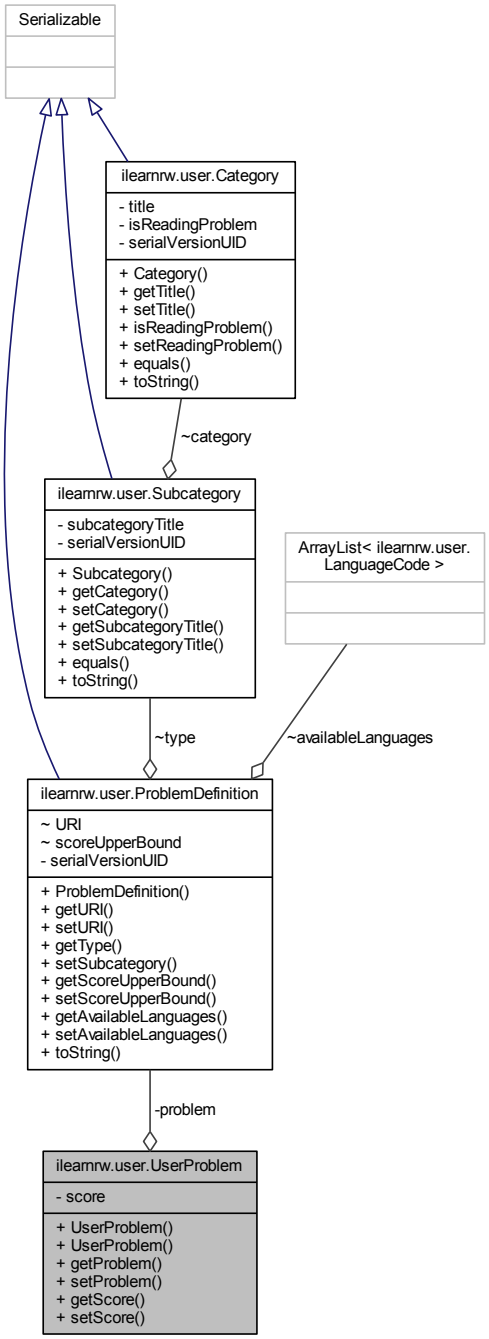
6.27.3.2 final long ilearnrw.user.UserPreferences.serialVersionUID = 1L [static], [private]

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserPreferences.java

6.28 ilearnrw.user.UserProblem Class Reference

Collaboration diagram for ilearnrw.user.UserProblem:



Public Member Functions

- UserProblem (ProblemDefinition problem, int score)
- UserProblem (ProblemDefinition problem)
- ProblemDefinition getProblem ()

- void setProblem (ProblemDefinition problem)
- int getScore ()
- void setScore (int score)

Private Attributes

- ProblemDefinition problem
- int score

6.28.1 Constructor & Destructor Documentation

6.28.1.1 ilearnrw.user.UserProblem.UserProblem (ProblemDefinition *problem,* int *score*)

References ilearnrw.user.UserProblem.problem, and ilearnrw.user.UserProblem.score.

6.28.1.2 ilearnrw.user.UserProblem.UserProblem (ProblemDefinition *problem*)

References ilearnrw.user.ProblemDefinition.getScoreUpperBound(), and ilearnrw.user.UserProblem.problem.

6.28.2 Member Function Documentation

6.28.2.1 ProblemDefinition ilearnrw.user.UserProblem.getProblem ( )

Returns

the ProblemDefintion of the user's problem

References ilearnrw.user.UserProblem.problem.

6.28.2.2 int ilearnrw.user.UserProblem.getScore ( )

Returns

the frequency that the user does errors related to this problem

References ilearnrw.user.UserProblem.score.

6.28.2.3 void ilearnrw.user.UserProblem.setProblem (ProblemDefinition *problem*)

References ilearnrw.user.UserProblem.problem.

6.28.2.4 void ilearnrw.user.UserProblem.setScore (int *score*)

References ilearnrw.user.UserProblem.score.

6.28.3 Member Data Documentation

6.28.3.1 ProblemDefinition ilearnrw.user.UserProblem.problem [private]

Referenced by ilearnrw.user.UserProblem.getProblem(), ilearnrw.user.UserProblem.setProblem(), and ilearnrw.user.UserProblem.UserProblem().

6.28.3.2 int ilearnrw.user.UserProblem.score [private]

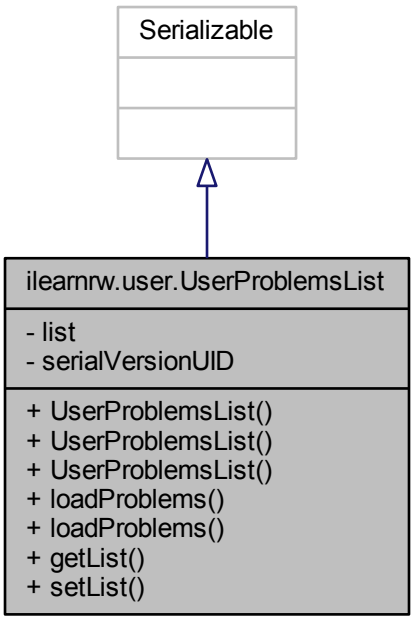
Referenced by ilearnrw.user.UserProblem.getScore(), ilearnrw.user.UserProblem.setScore(), and ilearnrw.user.-UserProblem.UserProblem().

The documentation for this class was generated from the following file:

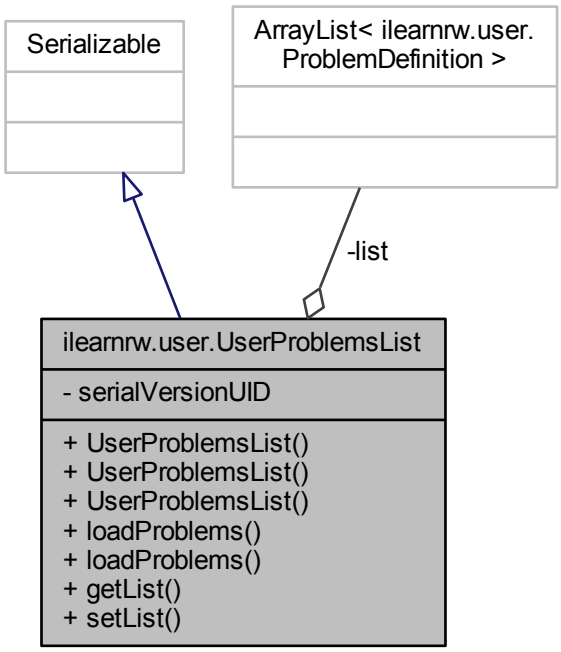
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblem.java

6.29 ilearnrw.user.UserProblemsList Class Reference

Inheritance diagram for ilearnrw.user.UserProblemsList:



Collaboration diagram for ilearnrw.user.UserProblemsList:



Public Member Functions

- UserProblemsList (int userId)
- UserProblemsList (LanguageCode lc)
- UserProblemsList (ArrayList< ProblemDefinition > list)
- void loadProblems (LanguageCode lc)
- void loadProblems (int userId)
- ArrayList< ProblemDefinition > getList ()
- void setList (ArrayList< ProblemDefinition > list)

Private Attributes

- ArrayList< ProblemDefinition > list

Static Private Attributes

- static final long serialVersionUID = 1L

6.29.1 Constructor & Destructor Documentation

6.29.1.1 ilearnrw.user.UserProblemsList.UserProblemsList (int *userId*)

References ilearnrw.user.UserProblemsList.list, and ilearnrw.user.UserProblemsList.loadProblems().

6.29.1.2 ilearnrw.user.UserProblemsList.UserProblemsList (LanguageCode *lc*)

References ilearnrw.user.UserProblemsList.list, and ilearnrw.user.UserProblemsList.loadProblems().

6.29.1.3 ilearnrw.user.UserProblemsList.UserProblemsList (ArrayList< ProblemDefinition > *list*)

References ilearnrw.user.UserProblemsList.list.

6.29.2 Member Function Documentation

6.29.2.1 ArrayList<ProblemDefinition> ilearnrw.user.UserProblemsList.getList ( )

References ilearnrw.user.UserProblemsList.list.

Referenced by ilearnrw.user.Tester.main().

6.29.2.2 void ilearnrw.user.UserProblemsList.loadProblems (LanguageCode *lc*)

References ilearnrw.user.LanguageCode.EN, ilearnrw.user.ProblemDefinition.getAvailableLanguages(), ilearnrw.user.LanguageCode.GR, and ilearnrw.user.UserProblemsList.list.

Referenced by ilearnrw.user.UserProblemsList.UserProblemsList().

6.29.2.3 void ilearnrw.user.UserProblemsList.loadProblems (int *userId*)

References ilearnrw.user.LanguageCode.EN, ilearnrw.user.LanguageCode.GR, and ilearnrw.user.UserProblemsList.list.

6.29.2.4 void ilearnrw.user.UserProblemsList.setList (ArrayList< ProblemDefinition > *list*)

References ilearnrw.user.UserProblemsList.list.

6.29.3 Member Data Documentation

6.29.3.1 ArrayList<ProblemDefinition> ilearnrw.user.UserProblemsList.list [private]

Referenced by ilearnrw.user.UserProblemsList.getList(), ilearnrw.user.UserProblemsList.loadProblems(), ilearnrw.user.UserProblemsList.setList(), and ilearnrw.user.UserProblemsList.UserProblemsList().

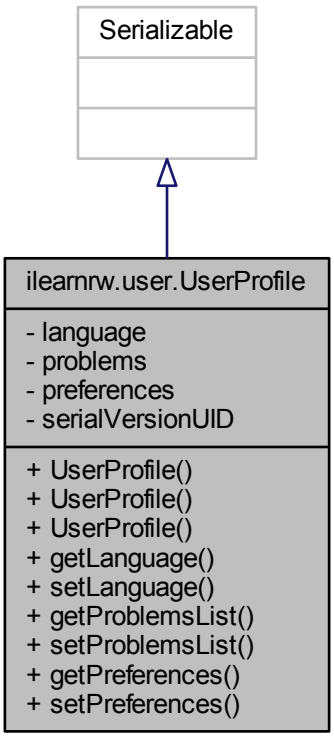
6.29.3.2 final long ilearnrw.user.UserProblemsList.serialVersionUID = 1L [static], [private]

The documentation for this class was generated from the following file:

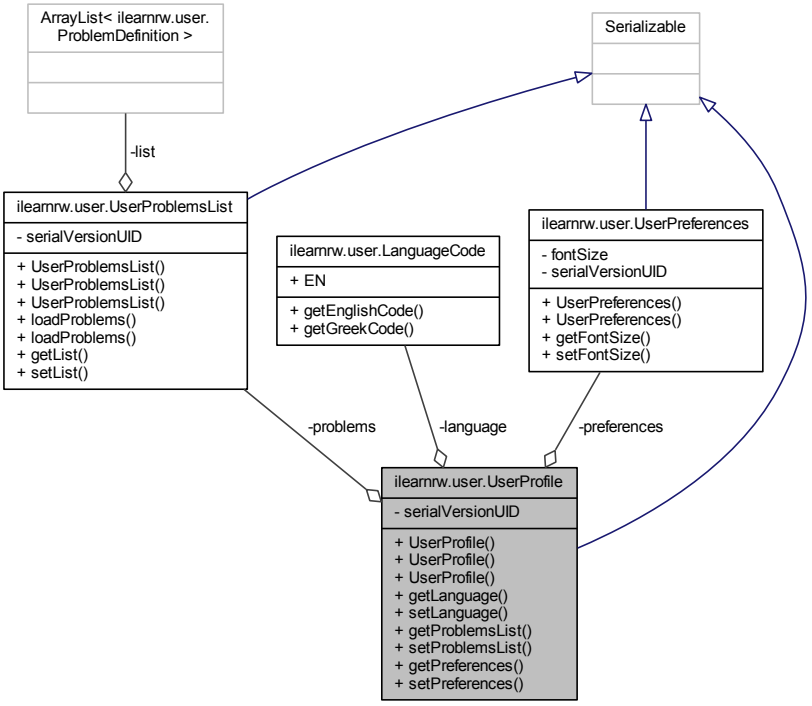
- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblemsList.java

6.30 ilearnrw.user.UserProfile Class Reference

Inheritance diagram for ilearnrw.user.UserProfile:



Collaboration diagram for ilearnrw.user.UserProfile:



Public Member Functions

- UserProfile (LanguageCode language, UserProblemsList problems, UserPreferences preferences)
- UserProfile (LanguageCode language)
- UserProfile (int userId)
- LanguageCode getLanguage ()
- void setLanguage (LanguageCode language)
- UserProblemsList getProblemsList ()
- void setProblemsList (UserProblemsList problems)
- UserPreferences getPreferences ()
- void setPreferences (UserPreferences preferences)

Private Attributes

- LanguageCode language
- UserProblemsList problems
- UserPreferences preferences

Static Private Attributes

- static final long serialVersionUID = 1L

6.30.1 Constructor & Destructor Documentation

6.30.1.1 ilearnrw.user.UserProfile.UserProfile (LanguageCode *language,* UserProblemsList *problems,* UserPreferences *preferences*)

References ilearnrw.user.UserProfile.language, ilearnrw.user.UserProfile.preferences, and ilearnrw.user.UserProfile.problems.

6.30.1.2 ilearnrw.user.UserProfile.UserProfile (LanguageCode *language*)

References ilearnrw.user.UserProfile.language.

6.30.1.3 ilearnrw.user.UserProfile.UserProfile (int *userId*)

References ilearnrw.user.LanguageCode.EN, ilearnrw.user.UserProfile.language, ilearnrw.user.UserProfile.preferences, and ilearnrw.user.UserProfile.problems.

6.30.2 Member Function Documentation

6.30.2.1 LanguageCode ilearnrw.user.UserProfile.getLanguage ( )

References ilearnrw.user.UserProfile.language.

6.30.2.2 UserPreferences ilearnrw.user.UserProfile.getPreferences ( )

References ilearnrw.user.UserProfile.preferences.

6.30.2.3 UserProblemsList ilearnrw.user.UserProfile.getProblemsList ( )

References ilearnrw.user.UserProfile.problems.

Referenced by ilearnrw.user.Tester.main().

6.30.2.4 void ilearnrw.user.UserProfile.setLanguage (LanguageCode *language*)

References ilearnrw.user.UserProfile.language.

6.30.2.5 void ilearnrw.user.UserProfile.setPreferences (UserPreferences *preferences*)

References ilearnrw.user.UserProfile.preferences.

6.30.2.6 void ilearnrw.user.UserProfile.setProblemsList (UserProblemsList *problems*)

References ilearnrw.user.UserProfile.problems.

6.30.3 Member Data Documentation

6.30.3.1 LanguageCode ilearnrw.user.UserProfile.language [private]

Referenced by ilearnrw.user.UserProfile.getLanguage(), ilearnrw.user.UserProfile.setLanguage(), and ilearnrw.user.UserProfile.UserProfile().

6.30.3.2 UserPreferences ilearnrw.user.UserProfile.preferences [private]

Referenced by ilearnrw.user.UserProfile.getPreferences(), ilearnrw.user.UserProfile.setPreferences(), and ilearnrw.user.UserProfile.UserProfile().

6.30.3.3 UserProblemsList ilearnrw.user.UserProfile.problems [private]

Referenced by ilearnrw.user.UserProfile.getProblemsList(), ilearnrw.user.UserProfile.setProblemsList(), and ilearnrw.user.UserProfile.UserProfile().

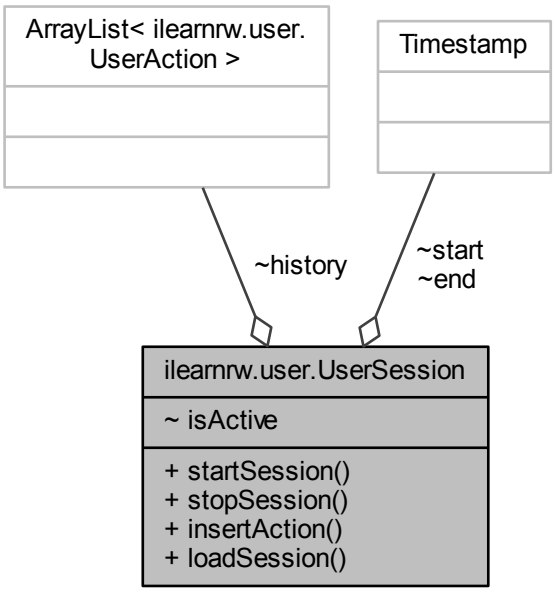
6.30.3.4 final long ilearnrw.user.UserProfile.serialVersionUID = 1L [static], [private]

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProfile.java

6.31 ilearnrw.user.UserSession Class Reference

Collaboration diagram for ilearnrw.user.UserSession:



Public Member Functions

- void startSession ()
- void stopSession ()
- void insertAction (UserAction x) throws IlearnException
- void loadSession (int userId)

Package Attributes

- boolean isActive
- Timestamp start
- Timestamp end
- ArrayList< UserAction > history

6.31.1 Member Function Documentation

6.31.1.1 void ilearnrw.user.UserSession.insertAction (UserAction *x*) throws IlearnException

References ilearnrw.user.UserSession.history, and ilearnrw.user.UserSession.isActive.

6.31.1.2 void ilearnrw.user.UserSession.loadSession (int *userId*)

References ilearnrw.user.UserSession.history.

6.31.1.3 void ilearnrw.user.UserSession.startSession ( )

sets the timestamp and turns the boolean variable 'isActive' to true!

References ilearnrw.user.UserSession.history, ilearnrw.user.UserSession.isActive, and ilearnrw.user.UserSession.start.

6.31.1.4 void ilearnrw.user.UserSession.stopSession ( )

sets the timestamp and turns the boolean variable 'isActive' to true!

References ilearnrw.user.UserSession.end, and ilearnrw.user.UserSession.isActive.

6.31.2 Member Data Documentation

6.31.2.1 Timestamp ilearnrw.user.UserSession.end [package]

Referenced by ilearnrw.user.UserSession.stopSession().

6.31.2.2 ArrayList<UserAction> ilearnrw.user.UserSession.history [package]

Referenced by ilearnrw.user.UserSession.insertAction(), ilearnrw.user.UserSession.loadSession(), and ilearnrw.user.UserSession.startSession().

6.31.2.3 boolean ilearnrw.user.UserSession.isActive [package]

Referenced by ilearnrw.user.UserSession.insertAction(), ilearnrw.user.UserSession.startSession(), and ilearnrw.user.UserSession.stopSession().

6.31.2.4 Timestamp ilearnrw.user.UserSession.start [package]

Referenced by ilearnrw.user.UserSession.startSession().

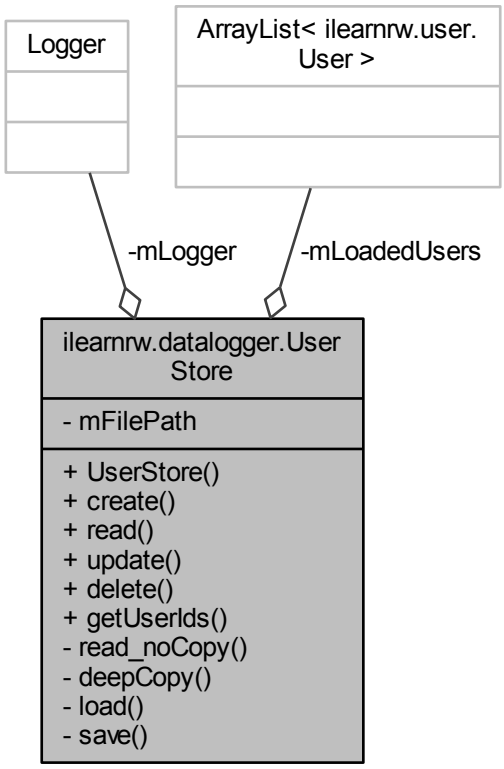
The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserSession.java

6.32 ilearnrw.datalogger.UserStore Class Reference

The UserStore is used to create and store user objects persistantly.

Collaboration diagram for ilearnrw.datalogger.UserStore:



Public Member Functions

- UserStore (String filePath)
- User create ()
- User read (int userId)
- User update (User user)
- boolean delete (int userId)
- LinkedList< Integer > getUserIds ()

Private Member Functions

- User read_noCopy (int userId)
- User deepCopy (User user)
- void load ()

  Loads the serialized objects in `mFilePath` *into mLoadedUsers.*
- void save ()

  Serializes mLoadedUsers into `mFilePath`

Private Attributes

- ArrayList< User > mLoadedUsers
- Logger mLogger

Static Private Attributes

- static String mFilePath

  The complete path to the file to read/write the user information from/to.

6.32.1 Detailed Description

The UserStore is used to create and store user objects persistantly.

Todo Replace storage backed with SQL database.

Note

At the moment Java's built in serialization is used to store users to disk. This requires all objects to be stored to implement the Serializable interface.

Implements a CRUD interface for users and save/load functions to store the data persistantly.

6.32.2 Constructor & Destructor Documentation

6.32.2.1 ilearnrw.datalogger.UserStore.UserStore (String *filePath*)

Parameters

filePath	The full path to the file to use to store the user profiles etc.

References ilearnrw.datalogger.UserStore.load(), ilearnrw.datalogger.UserStore.mFilePath, and ilearnrw.datalogger.UserStore.mLogger.

6.32.3 Member Function Documentation

6.32.3.1 User ilearnrw.datalogger.UserStore.create ( )

Create a new user.

Will generate a new UserId for the user.

Returns

A new User object.

References ilearnrw.datalogger.UserStore.deepCopy(), ilearnrw.datalogger.UserStore.mLoadedUsers, ilearnrw.datalogger.UserStore.read_noCopy(), and ilearnrw.datalogger.UserStore.save().

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.32.3.2 User ilearnrw.datalogger.UserStore.deepCopy (User *user*) [private]

Returns a copy of a User object

This is called from functions returning a user in this class since we do not want to give out the actual reference stored in the _loadedUsers list.

References ilearnrw.datalogger.UserStore.mLogger.

Referenced by ilearnrw.datalogger.UserStore.create(), ilearnrw.datalogger.UserStore.read(), and ilearnrw.datalogger.UserStore.update().

6.32.3.3 boolean ilearnrw.datalogger.UserStore.delete (int *userId*)

Deletes a user from the store.

Parameters

userId	userId of the user to delete

Returns

true if successful.

References ilearnrw.datalogger.UserStore.mLoadedUsers, ilearnrw.datalogger.UserStore.read_noCopy(), and ilearnrw.datalogger.UserStore.save().

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.32.3.4 LinkedList<Integer> ilearnrw.datalogger.UserStore.getUserIds ( )

Returns

A list of all stored userid's.

References ilearnrw.datalogger.UserStore.mLoadedUsers.

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.32.3.5 void ilearnrw.datalogger.UserStore.load ( ) [private]

Loads the serialized objects in `mFilePath` into mLoadedUsers.

References ilearnrw.datalogger.UserStore.mFilePath, ilearnrw.datalogger.UserStore.mLoadedUsers, and ilearnrw.datalogger.UserStore.mLogger.

Referenced by ilearnrw.datalogger.UserStore.UserStore().

6.32.3.6 User ilearnrw.datalogger.UserStore.read (int *userId*)

Reads a User from the UserStore

Parameters

userId	The userId of the user to load

Returns

The user with userId == userId

References ilearnrw.datalogger.UserStore.deepCopy(), and ilearnrw.datalogger.UserStore.read_noCopy().

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.32.3.7 User ilearnrw.datalogger.UserStore.read_noCopy (int *userId*) [private]

References ilearnrw.datalogger.UserStore.mLoadedUsers.

Referenced by ilearnrw.datalogger.UserStore.create(), ilearnrw.datalogger.UserStore.delete(), ilearnrw.datalogger.UserStore.read(), and ilearnrw.datalogger.UserStore.update().

6.32.3.8 void ilearnrw.datalogger.UserStore.save ( ) [private]

Serializes mLoadedUsers into `mFilePath`

References ilearnrw.datalogger.UserStore.mFilePath, ilearnrw.datalogger.UserStore.mLoadedUsers, and ilearnrw.datalogger.UserStore.mLogger.

Referenced by ilearnrw.datalogger.UserStore.create(), ilearnrw.datalogger.UserStore.delete(), and ilearnrw.datalogger.UserStore.update().

6.32.3.9 User ilearnrw.datalogger.UserStore.update (User *user*)

Updates the user currently stored with the one supplied.

Parameters

user	The new user copy to store.

Returns

A new copy of the user object.

References ilearnrw.datalogger.UserStore.deepCopy(), ilearnrw.user.User.getUserId(), ilearnrw.datalogger.UserStore.mLoadedUsers, ilearnrw.datalogger.UserStore.read_noCopy(), and ilearnrw.datalogger.UserStore.save().

Referenced by ilearnrw.prototype.application.DatabaseManager.onSelected().

6.32.4 Member Data Documentation

6.32.4.1 String ilearnrw.datalogger.UserStore.mFilePath [static], [private]

The complete path to the file to read/write the user information from/to.

Referenced by ilearnrw.datalogger.UserStore.load(), ilearnrw.datalogger.UserStore.save(), and ilearnrw.datalogger.UserStore.UserStore().

6.32.4.2 ArrayList<User> ilearnrw.datalogger.UserStore.mLoadedUsers [private]

Referenced by ilearnrw.datalogger.UserStore.create(), ilearnrw.datalogger.UserStore.delete(), ilearnrw.datalogger.UserStore.getUserIds(), ilearnrw.datalogger.UserStore.load(), ilearnrw.datalogger.UserStore.read_noCopy(), ilearnrw.datalogger.UserStore.save(), and ilearnrw.datalogger.UserStore.update().

6.32.4.3 Logger ilearnrw.datalogger.UserStore.mLogger [private]

Referenced by ilearnrw.datalogger.UserStore.deepCopy(), ilearnrw.datalogger.UserStore.load(), ilearnrw.datalogger.UserStore.save(), and ilearnrw.datalogger.UserStore.UserStore().

The documentation for this class was generated from the following file:

- C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/UserStore.java

Chapter 7

File Documentation

7.1 C:/develop/projects/ILearnRW/github/ilearnrw/README.md File Reference

7.2 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/DataLogger.java File Reference

Classes

- class ilearnrw.datalogger.DataLogger

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.3 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IDataLogger.java File Reference

Classes

- interface ilearnrw.datalogger.IDataLogger

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.4 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ILoginProider.java File Reference

Classes

- interface ilearnrw.datalogger.ILoginProvider

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.5 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/IProfileAccessUpdater.java File Reference

Classes

- interface ilearnrw.datalogger.IProfileAccessUpdater

  Interface to update profiles in the iLearnRW system.
- class ilearnrw.datalogger.IProfileAccessUpdater.PermissionException

  The marker does not have permission to perform the requested change.
- class ilearnrw.datalogger.IProfileAccessUpdater.PendingChangesAvailable

  Indicates that an action cannot be performed due to pending changes.

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.6 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/LoginDetails.java File Reference

Classes

- class ilearnrw.datalogger.LoginDetails

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.7 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/ProfileAccessUpdater.java File Reference

Classes

- class ilearnrw.datalogger.ProfileAccessUpdater

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.8 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/UserStore.java File Reference

Classes

- class ilearnrw.datalogger.UserStore

  The UserStore is used to create and store user objects persistantly.

Packages

- package ilearnrw.datalogger

  DataLogger package.

Constant Groups

- package ilearnrw.datalogger

  DataLogger package.

7.9 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-ConsoleMenu.java File Reference

Classes

- class ilearnrw.prototype.application.ConsoleMenu
- enum ilearnrw.prototype.application.ConsoleMenu.EConsoleMenuActionResult
- interface ilearnrw.prototype.application.ConsoleMenu.IConsoleMenuAction

Packages

- package ilearnrw.prototype.application

Constant Groups

- package ilearnrw.prototype.application

7.10 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-ConsoleMenuAction.java File Reference

Classes

- class ilearnrw.prototype.application.ConsoleMenuAction

Packages

- package ilearnrw.prototype.application

Constant Groups

- package ilearnrw.prototype.application

7.11 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-DatabaseManager.java File Reference

Classes

- class ilearnrw.prototype.application.DatabaseManager
- interface ilearnrw.prototype.application.DatabaseManager.ISelectUser

Packages

- package ilearnrw.prototype.application

Constant Groups

- package ilearnrw.prototype.application

7.12 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-Program.java File Reference

Classes

- class ilearnrw.prototype.application.Program

Packages

- package ilearnrw.prototype.application

Constant Groups

- package ilearnrw.prototype.application

7.13 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Category.java File Reference

Classes

- class ilearnrw.user.Category

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.14 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/GameAction.java File Reference

Classes

- enum ilearnrw.user.GameAction

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.15 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/IlearnException.java File Reference

Classes

- class ilearnrw.user.IlearnException

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.16 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/LanguageCode.java File Reference

Classes

- enum ilearnrw.user.LanguageCode

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.17 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinition.java File Reference

Classes

- class ilearnrw.user.ProblemDefinition

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.18 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/ProblemDefinitionIndex.java File Reference

Classes

- class ilearnrw.user.ProblemDefinitionIndex

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.19 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Subcategory.java File Reference

Classes

- class ilearnrw.user.Subcategory

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.20 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/Tester.java File Reference

Classes

- class ilearnrw.user.Tester

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.21 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/User.java File Reference

Classes

- class ilearnrw.user.User

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.22 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserAction.java File Reference

Classes

- class ilearnrw.user.UserAction

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.23 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserDetails.java File Reference

Classes

- class ilearnrw.user.UserDetails

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.24 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserPreferences.java File Reference

Classes

- class ilearnrw.user.UserPreferences

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.25 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblem.java File Reference

Classes

- class ilearnrw.user.UserProblem

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.26 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProblemsList.java File Reference

Classes

- class ilearnrw.user.UserProblemsList

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.27 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserProfile.java File Reference

Classes

- class ilearnrw.user.UserProfile

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

7.28 C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/UserSession.java File Reference

Classes

- class ilearnrw.user.UserSession

Packages

- package ilearnrw.user

Constant Groups

- package ilearnrw.user

Index

addProblemDefinition
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 48
availableLanguages
ilearnrw::user::ProblemDefinition, 44

C:/develop/projects/ILearnRW/github/ilearnrw/READM-E.md, 83
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-DataLogger.java, 83
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-IDataLogger.java, 83
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-ILoginProider.java, 84
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-IProfileAccessUpdater.java, 84
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-LoginDetails.java, 85
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-ProfileAccessUpdater.java, 85
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/datalogger/-UserStore.java, 85
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-ConsoleMenu.java, 86
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-ConsoleMenuAction.java, 86
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-DatabaseManager.java, 86
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/prototype/application/-Program.java, 87
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-Category.java, 87
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-GameAction.java, 87
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-IlearnException.java, 88
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-LanguageCode.java, 88
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-ProblemDefinition.java, 88
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-ProblemDefinitionIndex.java, 89
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-Subcategory.java, 89
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-Tester.java, 89
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-User.java, 90
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserAction.java, 90
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserDetails.java, 90
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserPreferences.java, 91
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserProblem.java, 91
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserProblemsList.java, 91
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserProfile.java, 92
C:/develop/projects/ILearnRW/github/ilearnrw/src/ilearnrw/user/-UserSession.java, 92
Category
ilearnrw::user::Category, 12
category
ilearnrw::user::Subcategory, 56
ConsoleMenu
ilearnrw::prototype::application::ConsoleMenu, 15
ConsoleMenuAction
ilearnrw::prototype::application::ConsoleMenu-Action, 18
create
ilearnrw::datalogger::UserStore, 79
DIFFICULT_WORD
ilearnrw::user::GameAction, 25
DatabaseManager
ilearnrw::prototype::application::DatabaseManager, 49
deepCopy
ilearnrw::datalogger::UserStore, 79
delete
ilearnrw::datalogger::UserStore, 80
details
ilearnrw::user::User, 60
discardPendingChanges
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 48
doModalMenu
ilearnrw::prototype::application::ConsoleMenu, 15
EN
ilearnrw::user::LanguageCode, 36
end
ilearnrw::user::UserSession, 77
equals
ilearnrw::user::Category, 13
ilearnrw::user::Subcategory, 55
fontSize

ilearnrw::user::UserPreferences, 67

gDataLogger
ilearnrw::prototype::application::Program, 52
gameAction
ilearnrw::user::UserAction, 62
getAvailableLanguages
ilearnrw::user::ProblemDefinition, 43
getCategory
ilearnrw::user::Subcategory, 55
getDetails
ilearnrw::user::User, 59
getEnglishCode
ilearnrw::user::LanguageCode, 36
getFontSize
ilearnrw::user::UserPreferences, 67
getGameAction
ilearnrw::user::UserAction, 61
getGreekCode
ilearnrw::user::LanguageCode, 36
getLanguage
ilearnrw::user::UserDetails, 64
ilearnrw::user::UserProfile, 75
getList
ilearnrw::user::UserProblemsList, 72
getLoginDetails
ilearnrw::prototype::application::Program, 52
getLoginProvider
ilearnrw::datalogger::IDataLogger, 27
getMessage
ilearnrw::datalogger::IProfileAccessUpdater::-PendingChangesAvailable, 38
ilearnrw::datalogger::IProfileAccessUpdater::-PermissionException, 40
ilearnrw::user::IlearnException, 29
getOldSessions
ilearnrw::user::User, 59
getPassword
ilearnrw::user::UserDetails, 64
getPreferences
ilearnrw::user::UserProfile, 75
getProblem
ilearnrw::user::UserProblem, 69
getProblemsByCategory
ilearnrw::user::ProblemDefinitionIndex, 45
getProblemsByLanguage
ilearnrw::user::ProblemDefinitionIndex, 45
getProblemsList
ilearnrw::user::UserProfile, 75
getProfile
ilearnrw::datalogger::ILoginProvider, 30
ilearnrw::user::User, 59
getProfileAccessUpdater
ilearnrw::datalogger::IDataLogger, 27
getScore
ilearnrw::user::UserProblem, 69
getScoreUpperBound
ilearnrw::user::ProblemDefinition, 43
getSession
ilearnrw::user::User, 59
getStringArg
ilearnrw::prototype::application::Program, 52
getSubcategoryTitle
ilearnrw::user::Subcategory, 55
getText
ilearnrw::prototype::application::ConsoleMenu::I-ConsoleMenuAction, 27
ilearnrw::prototype::application::ConsoleMenu-Action, 18
getTitle
ilearnrw::user::Category, 13
getType
ilearnrw::user::ProblemDefinition, 43
getURI
ilearnrw::user::ProblemDefinition, 43
getUserId
ilearnrw::user::User, 59
ilearnrw::user::UserAction, 61
getUserIds
ilearnrw::datalogger::UserStore, 80
getUserStore
ilearnrw::datalogger::DataLogger, 23
getUsername
ilearnrw::user::UserDetails, 64

hasPendingChanges
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 48
history
ilearnrw::user::UserSession, 77

IlearnException
ilearnrw::user::IlearnException, 29
ilearnrw, 9
ilearnrw.datalogger, 9
ilearnrw.datalogger.DataLogger, 22
ilearnrw.datalogger.IDataLogger, 27
ilearnrw.datalogger.ILoginProvider, 30
ilearnrw.datalogger.IProfileAccessUpdater, 30
ilearnrw.datalogger.IProfileAccessUpdater.Pending-ChangesAvailable, 37
ilearnrw.datalogger.IProfileAccessUpdater.Permission-Exception, 39
ilearnrw.datalogger.LoginDetails, 36
ilearnrw.datalogger.ProfileAccessUpdater, 46
ilearnrw.datalogger.UserStore, 78
ilearnrw.prototype, 10
ilearnrw.prototype.application, 10
ilearnrw.prototype.application.ConsoleMenu, 14
ilearnrw.prototype.application.ConsoleMenu.EConsole-MenuActionResult, 24
ilearnrw.prototype.application.ConsoleMenu.IConsole-MenuAction, 26
ilearnrw.prototype.application.ConsoleMenuAction, 17
ilearnrw.prototype.application.DatabaseManager, 19
ilearnrw.prototype.application.DatabaseManager.I-SelectUser, 35
ilearnrw.prototype.application.Program, 51

ilearnrw.user, 10
ilearnrw.user.Category, 11
ilearnrw.user.GameAction, 25
ilearnrw.user.IlearnException, 28
ilearnrw.user.LanguageCode, 35
ilearnrw.user.ProblemDefinition, 41
ilearnrw.user.ProblemDefinitionIndex, 45
ilearnrw.user.Subcategory, 53
ilearnrw.user.Tester, 56
ilearnrw.user.User, 57
ilearnrw.user.UserAction, 61
ilearnrw.user.UserDetails, 62
ilearnrw.user.UserPreferences, 66
ilearnrw.user.UserProblem, 68
ilearnrw.user.UserProblemsList, 70
ilearnrw.user.UserProfile, 73
ilearnrw.user.UserSession, 76
ilearnrw::datalogger::DataLogger
    getUserStore, 23
    loadUserStore, 23
    mUserStore, 23
ilearnrw::datalogger::IDataLogger
    getLoginProvider, 27
    getProfileAccessUpdater, 27
ilearnrw::datalogger::ILoginProvider
    getProfile, 30
ilearnrw::datalogger::IProfileAccessUpdater
    addProblemDefinition, 33
    discardPendingChanges, 33
    hasPendingChanges, 33
    registerUserSession, 33
    removeProblemDefinition, 33
    setCurrentProfile, 33
    setPreference, 34
    setUserDetail, 34
    setUserLanguage, 34
    writePendingChanges, 34
ilearnrw::datalogger::IProfileAccessUpdater::PendingChangesAvailable
    getMessage, 38
    PendingChangesAvailable, 38
    serialVersionUID, 38
ilearnrw::datalogger::IProfileAccessUpdater::PermissionException
    getMessage, 40
    PermissionException, 40
    serialVersionUID, 40
ilearnrw::datalogger::LoginDetails
    Password, 36
    Username, 36
ilearnrw::datalogger::ProfileAccessUpdater
    addProblemDefinition, 48
    discardPendingChanges, 48
    hasPendingChanges, 48
    mIsDirty, 50
    mMarker, 50
    mUser, 50
    registerUserSession, 48
    removeProblemDefinition, 48
    setCurrentProfile, 49
    setDirty, 49
    setPreference, 49
    setUserDetail, 49
    setUserLanguage, 49
    writePendingChanges, 49
ilearnrw::datalogger::UserStore
    create, 79
    deepCopy, 79
    delete, 80
    getUserIds, 80
    load, 80
    mFilePath, 81
    mLoadedUsers, 81
    mLogger, 81
    read, 80
    read_noCopy, 80
    save, 81
    update, 81
    UserStore, 79
ilearnrw::prototype::application::ConsoleMenu
    ConsoleMenu, 15
    doModalMenu, 15
    in, 15
    mIn, 15
    mMenuActions, 16
    mMenuTitle, 16
    mOut, 16
    mScanner, 16
    out, 15
    showMenu, 15
    subMenu, 15
ilearnrw::prototype::application::ConsoleMenu::EConsoleMenuActionResult
    menuBreak, 24
    showThisMenuAgain, 24
ilearnrw::prototype::application::ConsoleMenu::IConsoleMenuAction
    getText, 27
    onSelected, 27
ilearnrw::prototype::application::ConsoleMenuAction
    ConsoleMenuAction, 18
    getText, 18
    mText, 19
    onSelected, 18
ilearnrw::prototype::application::DatabaseManager
    DatabaseManager, 20
    onSelected, 20
ilearnrw::prototype::application::DatabaseManager::ISelectUser
    selectUser, 35
ilearnrw::prototype::application::Program
    gDataLogger, 52
    getLoginDetails, 52
    getStringArg, 52
    main, 52
ilearnrw::user::Category

Category, 12
equals, 13
getTitle, 13
isReadingProblem, 13
serialVersionUID, 13
setReadingProblem, 13
setTitle, 13
title, 13
toString, 13
ilearnrw::user::GameAction
DIFFICULT_WORD, 25
ilearnrw::user::IlearnException
getMessage, 29
IlearnException, 29
ilearnrw::user::LanguageCode
EN, 36
getEnglishCode, 36
getGreekCode, 36
ilearnrw::user::ProblemDefinition
availableLanguages, 44
getAvailableLanguages, 43
getScoreUpperBound, 43
getType, 43
getURI, 43
ProblemDefinition, 43
scoreUpperBound, 44
serialVersionUID, 44
setAvailableLanguages, 43
setScoreUpperBound, 43
setSubcategory, 44
setURI, 44
toString, 44
type, 44
URI, 44
ilearnrw::user::ProblemDefinitionIndex
getProblemsByCategory, 45
getProblemsByLanguage, 45
index, 45
ilearnrw::user::Subcategory
category, 56
equals, 55
getCategory, 55
getSubcategoryTitle, 55
serialVersionUID, 56
setCategory, 55
setSubcategoryTitle, 55
Subcategory, 55
subcategoryTitle, 56
toString, 55
ilearnrw::user::Tester
main, 56
ilearnrw::user::User
details, 60
getDetails, 59
getOldSessions, 59
getProfile, 59
getSession, 59
getUserId, 59
oldSessions, 60
profile, 60
serialVersionUID, 60
session, 60
setDetails, 59
setOldSessions, 60
setProfile, 60
setSession, 60
User, 59
userId, 60
ilearnrw::user::UserAction
gameAction, 62
getGameAction, 61
getUserId, 61
setGameAction, 61
setUserId, 61
UserId, 62
ilearnrw::user::UserDetails
getLanguage, 64
getPassword, 64
getUsername, 64
language, 65
password, 65
serialVersionUID, 65
setLanguage, 64
setPassword, 65
setUsername, 65
UserDetails, 64
username, 65
ilearnrw::user::UserPreferences
fontSize, 67
getFontSize, 67
serialVersionUID, 67
setFontSize, 67
UserPreferences, 67
ilearnrw::user::UserProblem
getProblem, 69
getScore, 69
problem, 69
score, 69
setProblem, 69
setScore, 69
UserProblem, 69
ilearnrw::user::UserProblemsList
getList, 72
list, 72
loadProblems, 72
serialVersionUID, 72
setList, 72
UserProblemsList, 71, 72
ilearnrw::user::UserProfile
getLanguage, 75
getPreferences, 75
getProblemsList, 75
language, 75
preferences, 75
problems, 76
serialVersionUID, 76

setLanguage, 75
setPreferences, 75
setProblemsList, 75
UserProfile, 75
ilearnrw::user::UserSession
end, 77
history, 77
insertAction, 77
isActive, 77
loadSession, 77
start, 77
startSession, 77
stopSession, 77
in
ilearnrw::prototype::application::ConsoleMenu, 15
index
ilearnrw::user::ProblemDefinitionIndex, 45
insertAction
ilearnrw::user::UserSession, 77
isActive
ilearnrw::user::UserSession, 77
isReadingProblem
ilearnrw::user::Category, 13

language
ilearnrw::user::UserDetails, 65
ilearnrw::user::UserProfile, 75
list
ilearnrw::user::UserProblemsList, 72
load
ilearnrw::datalogger::UserStore, 80
loadProblems
ilearnrw::user::UserProblemsList, 72
loadSession
ilearnrw::user::UserSession, 77
loadUserStore
ilearnrw::datalogger::DataLogger, 23

mFilePath
ilearnrw::datalogger::UserStore, 81
mIn
ilearnrw::prototype::application::ConsoleMenu, 15
mIsDirty
ilearnrw::datalogger::ProfileAccessUpdater, 50
mLoadedUsers
ilearnrw::datalogger::UserStore, 81
mLogger
ilearnrw::datalogger::UserStore, 81
mMarker
ilearnrw::datalogger::ProfileAccessUpdater, 50
mMenuActions
ilearnrw::prototype::application::ConsoleMenu, 16
mMenuTitle
ilearnrw::prototype::application::ConsoleMenu, 16
mOut
ilearnrw::prototype::application::ConsoleMenu, 16
mScanner
ilearnrw::prototype::application::ConsoleMenu, 16
mText
ilearnrw::prototype::application::ConsoleMenu-Action, 19
mUser
ilearnrw::datalogger::ProfileAccessUpdater, 50
mUserStore
ilearnrw::datalogger::DataLogger, 23
main
ilearnrw::prototype::application::Program, 52
ilearnrw::user::Tester, 56
menuBreak
ilearnrw::prototype::application::ConsoleMenu::E-ConsoleMenuActionResult, 24

oldSessions
ilearnrw::user::User, 60
onSelected
ilearnrw::prototype::application::ConsoleMenu::I-ConsoleMenuAction, 27
ilearnrw::prototype::application::ConsoleMenu-Action, 18
ilearnrw::prototype::application::DatabaseManager, 20
out
ilearnrw::prototype::application::ConsoleMenu, 15

Password
ilearnrw::datalogger::LoginDetails, 36
password
ilearnrw::user::UserDetails, 65
PendingChangesAvailable
ilearnrw::datalogger::IProfileAccessUpdater::-PendingChangesAvailable, 38
PermissionException
ilearnrw::datalogger::IProfileAccessUpdater::-PermissionException, 40
preferences
ilearnrw::user::UserProfile, 75
problem
ilearnrw::user::UserProblem, 69
ProblemDefinition
ilearnrw::user::ProblemDefinition, 43
problems
ilearnrw::user::UserProfile, 76
profile
ilearnrw::user::User, 60

read
ilearnrw::datalogger::UserStore, 80
read_noCopy
ilearnrw::datalogger::UserStore, 80
registerUserSession
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 48
removeProblemDefinition
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 48

save
ilearnrw::datalogger::UserStore, 81

score
ilearnrw::user::UserProblem, 69
scoreUpperBound
ilearnrw::user::ProblemDefinition, 44
selectUser
ilearnrw::prototype::application::DatabaseManager-::ISelectUser, 35
serialVersionUID
ilearnrw::datalogger::IProfileAccessUpdater::-PendingChangesAvailable, 38
ilearnrw::datalogger::IProfileAccessUpdater::-PermissionException, 40
ilearnrw::user::Category, 13
ilearnrw::user::ProblemDefinition, 44
ilearnrw::user::Subcategory, 56
ilearnrw::user::User, 60
ilearnrw::user::UserDetails, 65
ilearnrw::user::UserPreferences, 67
ilearnrw::user::UserProblemsList, 72
ilearnrw::user::UserProfile, 76
session
ilearnrw::user::User, 60
setAvailableLanguages
ilearnrw::user::ProblemDefinition, 43
setCategory
ilearnrw::user::Subcategory, 55
setCurrentProfile
ilearnrw::datalogger::IProfileAccessUpdater, 33
ilearnrw::datalogger::ProfileAccessUpdater, 49
setDetails
ilearnrw::user::User, 59
setDirty
ilearnrw::datalogger::ProfileAccessUpdater, 49
setFontSize
ilearnrw::user::UserPreferences, 67
setGameAction
ilearnrw::user::UserAction, 61
setLanguage
ilearnrw::user::UserDetails, 64
ilearnrw::user::UserProfile, 75
setList
ilearnrw::user::UserProblemsList, 72
setOldSessions
ilearnrw::user::User, 60
setPassword
ilearnrw::user::UserDetails, 65
setPreference
ilearnrw::datalogger::IProfileAccessUpdater, 34
ilearnrw::datalogger::ProfileAccessUpdater, 49
setPreferences
ilearnrw::user::UserProfile, 75
setProblem
ilearnrw::user::UserProblem, 69
setProblemsList
ilearnrw::user::UserProfile, 75
setProfile
ilearnrw::user::User, 60
setReadingProblem
ilearnrw::user::Category, 13
setScore
ilearnrw::user::UserProblem, 69
setScoreUpperBound
ilearnrw::user::ProblemDefinition, 43
setSession
ilearnrw::user::User, 60
setSubcategory
ilearnrw::user::ProblemDefinition, 44
setSubcategoryTitle
ilearnrw::user::Subcategory, 55
setTitle
ilearnrw::user::Category, 13
setURI
ilearnrw::user::ProblemDefinition, 44
setUserDetail
ilearnrw::datalogger::IProfileAccessUpdater, 34
ilearnrw::datalogger::ProfileAccessUpdater, 49
setUserId
ilearnrw::user::UserAction, 61
setUserLanguage
ilearnrw::datalogger::IProfileAccessUpdater, 34
ilearnrw::datalogger::ProfileAccessUpdater, 49
setUsername
ilearnrw::user::UserDetails, 65
showMenu
ilearnrw::prototype::application::ConsoleMenu, 15
showThisMenuAgain
ilearnrw::prototype::application::ConsoleMenu::E-ConsoleMenuActionResult, 24
start
ilearnrw::user::UserSession, 77
startSession
ilearnrw::user::UserSession, 77
stopSession
ilearnrw::user::UserSession, 77
subMenu
ilearnrw::prototype::application::ConsoleMenu, 15
Subcategory
ilearnrw::user::Subcategory, 55
subcategoryTitle
ilearnrw::user::Subcategory, 56

title
ilearnrw::user::Category, 13
toString
ilearnrw::user::Category, 13
ilearnrw::user::ProblemDefinition, 44
ilearnrw::user::Subcategory, 55
type
ilearnrw::user::ProblemDefinition, 44

URI
ilearnrw::user::ProblemDefinition, 44
update
ilearnrw::datalogger::UserStore, 81
User
ilearnrw::user::User, 59
UserDetails

ilearnrw::user::UserDetails, 64
UserId
ilearnrw::user::UserAction, 62
userId
ilearnrw::user::User, 60
UserPreferences
ilearnrw::user::UserPreferences, 67
UserProblem
ilearnrw::user::UserProblem, 69
UserProblemsList
ilearnrw::user::UserProblemsList, 71, 72
UserProfile
ilearnrw::user::UserProfile, 75
UserStore
ilearnrw::datalogger::UserStore, 79
Username
ilearnrw::datalogger::LoginDetails, 36
username
ilearnrw::user::UserDetails, 65

writePendingChanges
ilearnrw::datalogger::IProfileAccessUpdater, 34
ilearnrw::datalogger::ProfileAccessUpdater, 49