KNOWITSIS

Ivar Volt

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knowitsis

TEST ID NR 20140807

Package knowitsis

Packages

- package config package controller package model
- package service

Package weighted_average_console

Classes

- class Calculators
- class Main
- class **Sorters**
- class XmlReader

Class Documentation

weighted_average_console.Calculators Class Reference

Public Member Functions

- Map< String, Double > studentAverageGradeCalculator (Document studentsGradesDoc)
- Double weightedAverageCalculator (Map< String, Double > studentsAverage)

Detailed Description

Definition at line 10 of file Calculators.java.

Member Function Documentation

Map<String, Double> weighted_average_console.Calculators.studentAverageGradeCalculator (Document studentsGradesDoc)

Calculates the average grade of student

Parameters:

Document	studentsGradesDoc
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Returns:

Map<String, Double>

Definition at line 17 of file Calculators.java.

Double weighted_average_console.Calculators.weightedAverageCalculator (Map< String, Double > studentsAverage)

Calculates the average grade of all students

Parameters:

Map <string,doubl< th=""><th>studentsAverage</th></string,doubl<>	studentsAverage
e>	

Returns:

Integer

Definition at line 47 of file Calculators.java.

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

 $\bullet \qquad src/main/java/weighted_average_console/ \textbf{Calculators.java}$

knowitsis.service.CalculatorService Class Reference

Inherits knowitsis.service.interfaces.ICalculatorService.

Public Member Functions

- Map< String, Double > getStudentAverageGrade (Document inputGrades)
- Double **weightedAverageCalculator** (Map< String, Double > studentsAverage)

Detailed Description

Definition at line 14 of file CalculatorService.java.

Member Function Documentation

Map<String, Double> knowitsis.service.CalculatorService.getStudentAverageGrade (Document inputGrades)

Calculates the average grade of student

Parameters:

Document	studentsGradesDoc
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Returns:

Map<String, Double>

Implements **knowitsis.service.interfaces.ICalculatorService** (p. 10).

Definition at line 22 of file CalculatorService.java.

Double knowitsis.service.CalculatorService.weightedAverageCalculator (Map< String, Double > studentsAverage)

Calculates the average grade of all students

Parameters:

Map <string,doubl< th=""><th>studentsAverage</th></string,doubl<>	studentsAverage
$ e\rangle$	

Returns:

Integer

Implements knowitsis.service.interfaces.ICalculatorService (p. 10).

Definition at line 51 of file CalculatorService.java.

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

• src/main/java/knowitsis/service/CalculatorService.java

knowitsis.model.GradesModel Class Reference

Public Member Functions

- Document getInputGrades ()
- void **setInputGrades** (Document inputGrades)
- Map< String, Double > getStudentAverageGrades ()
- void **setStudentAverageGrades** (Map< String, Double > studentAverageGrades)
- Map< String, Double > getSortedStudentsByGradeAndName ()
- void **setSortedStudentsByGradeAndName** (Map< String, Double > sortedStudentsByGradeAndName)
- Double **getWeightedAverage** ()
- void **setWeightedAverage** (Double weightedAverage)

Detailed Description

Definition at line 7 of file GradesModel.java.

Member Function Documentation

Document knowitsis.model.GradesModel.getInputGrades ()

Definition at line 13 of file GradesModel.java.

Map<String, Double> knowitsis.model.GradesModel.getSortedStudentsByGradeAndName ()

Definition at line 25 of file GradesModel.java.

Map<String, Double> knowitsis.model.GradesModel.getStudentAverageGrades ()

Definition at line 19 of file GradesModel.java.

Double knowitsis.model.GradesModel.getWeightedAverage ()

Definition at line 31 of file GradesModel.java.

void knowitsis.model.GradesModel.setInputGrades (Document inputGrades)

Definition at line 16 of file GradesModel.java.

void knowitsis.model.GradesModel.setSortedStudentsByGradeAndName (Map< String, Double > sortedStudentsByGradeAndName)

Definition at line 28 of file GradesModel.java.

void knowitsis.model.GradesModel.setStudentAverageGrades (Map< String, Double > studentAverageGrades)

Definition at line 22 of file GradesModel.java.

void knowitsis.model.GradesModel.setWeightedAverage (Double weightedAverage)

Definition at line 34 of file GradesModel.java.

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

• src/main/java/knowitsis/model/**GradesModel.java**

knowitsis.service.interfaces.lCalculatorService Interface Reference

Inherited by knowitsis.service.CalculatorService.

Public Member Functions

- Map< String, Double > getStudentAverageGrade (Document inputGrades)
- Double weightedAverageCalculator (Map< String, Double > studentsAverage)

Detailed Description

Definition at line 7 of file ICalculatorService.java.

Member Function Documentation

Map<String, Double> knowitsis.service.interfaces.ICalculatorService.getStudentAverageGrade (Document *inputGrades*)

Implemented in **knowitsis.service.CalculatorService** (*p.7*).

Double knowitsis.service.interfaces.lCalculatorService.weightedAverageCalculator (Map< String, Double > studentsAverage)

Implemented in **knowitsis.service.CalculatorService** (p.7).

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

• src/main/java/knowitsis/service/interfaces/ICalculatorService.java

knowitsis.service.interfaces.lSorterService Interface Reference

Inherited by knowitsis.service.SorterService.

Public Member Functions

• Map< String, Double > **getSortedStudentList** (Map< String, Double > avgStudentGrades)

Detailed Description

Definition at line 5 of file ISorterService.java.

Member Function Documentation

Map<String, Double> knowitsis.service.interfaces.lSorterService.getSortedStudentList (Map< String, Double > avgStudentGrades)

Implemented in **knowitsis.service.SorterService** (p.15).

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

• src/main/java/knowitsis/service/interfaces/**ISorterService.java**

knowitsis.service.interfaces.IXmIUtilService Interface Reference

Inherited by knowitsis.service.XmlUtilService.

Public Member Functions

• Document **getTestXml** ()

Detailed Description

Definition at line 5 of file IXmlUtilService.java.

Member Function Documentation

Document knowitsis.service.interfaces.IXmlUtilService.getTestXml ()

Implemented in **knowitsis.service.XmlUtilService** (*p.20*).

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

• src/main/java/knowitsis/service/interfaces/**IXmlUtilService.java**

weighted_average_console.Main Class Reference

Static Public Member Functions

• static void main (String[] args)

Detailed Description

Definition at line 7 of file Main.java.

Member Function Documentation

static void weighted_average_console.Main.main (String[] args)[static]

Main class that prints to console: Students name and the average grade Weighted average of all students

Parameters:

args			

Definition at line 15 of file Main.java.

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

• src/main/java/weighted_average_console/**Main.java**

weighted_average_console.Sorters Class Reference

Public Member Functions

• Map< String, Double > **getSortedStudentList** (Map< String, Double > avgStudentGrades)

Detailed Description

Definition at line 12 of file Sorters.java.

Member Function Documentation

Map<String, Double> weighted_average_console.Sorters.getSortedStudentList (Map< String, Double > avgStudentGrades)

Sorts students first by grade if grade is same then by name

Parameters:

avgStudentGrades

Definition at line 19 of file Sorters.java.

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

• src/main/java/weighted_average_console/Sorters.java

knowitsis.service.SorterService Class Reference

Inherits knowitsis.service.interfaces.ISorterService.

Public Member Functions

• Map< String, Double > **getSortedStudentList** (Map< String, Double > avgStudentGrades)

Detailed Description

Definition at line 17 of file SorterService.java.

Member Function Documentation

Map<String, Double> knowitsis.service.SorterService.getSortedStudentList (Map< String, Double > avgStudentGrades)

Sorts students first by grade if grade is the same, then by name

Parameters:

avgStudentGrades

Implements **knowitsis.service.interfaces.ISorterService** (p.11).

Definition at line 23 of file SorterService.java.

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

• src/main/java/knowitsis/service/SorterService.java

junit.TestCalculator Class Reference

Detailed Description

Definition at line 16 of file TestCalculator.java.

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

• src/test/java/junit/**TestCalculator.java**

junit.TestSorter Class Reference

Detailed Description

Definition at line 15 of file TestSorter.java.

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

• src/test/java/junit/**TestSorter.java**

knowitsis.config.WebAppInitalizer Class Reference

Inherits WebApplicationInitializer.

Public Member Functions

• void **onStartup** (ServletContext servletContext) throws ServletException

Detailed Description

Definition at line 11 of file WebAppInitalizer.java.

Member Function Documentation

void knowitsis.config.WebAppInitalizer.onStartup (ServletContext servletContext) throws ServletException

Definition at line 12 of file WebAppInitalizer.java.

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

 $\bullet \hspace{0.5cm} src/main/java/knowits is/config/\textbf{WebAppInitalizer.java}\\$

weighted_average_console.XmlReader Class Reference

Public Member Functions

• Document **getXml** ()

Detailed Description

Definition at line 10 of file XmlReader.java.

Member Function Documentation

Document weighted_average_console.XmlReader.getXml ()

Returns Document that is read from studentsGrades.xml file under resources folder

Returns:

Document

Definition at line 17 of file XmlReader.java.

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

src/main/java/weighted_average_console/XmlReader.java

knowitsis.service.XmlUtilService Class Reference

Inherits knowitsis.service.interfaces.IXmlUtilService.

Public Member Functions

• Document **getTestXml** ()

Detailed Description

Definition at line 14 of file XmlUtilService.java.

Member Function Documentation

Document knowitsis.service.XmlUtilService.getTestXml ()

Returns Document that is read from studentsGrades.xml file under resources folder

Returns:

Document

Implements **knowitsis.service.interfaces.IXmlUtilService** (p. 12).

Definition at line 21 of file XmlUtilService.java.

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

• src/main/java/knowitsis/service/XmlUtilService.java

File Documentation

README.md File Reference