

javadoc

**Class Course<BinaryTree>**

java.lang.Object

javadoc.Course<BinaryTree>

Type Parameters:

BinaryTree -

public abstract class **Course<BinaryTree>**  
extends java.lang.Object

Course is a class that will be used to create a new Course within the Gradebook program

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group 9

Constructor Summary

Constructors

Constructor and Description
<b>Course</b> (java.lang.String code, java.lang.String title, java.lang.String term) Constructor

Method Summary

Methods

Modifier and Type	Method and Description
void	<b>addDeliverable</b> (main.java.ca.uwo.csd.cs2212.team9.Deliverable del) Adds a deliverable to the course, requiring a unique deliverable name.
void	<b>addStudent</b> (main.java.ca.uwo.csd.cs2212.team9.Student student) Adds give student to the class list, requiring a unique student number and email address.
void	<b>email</b> () Email Student allows user to email a student with generated report attached
void	<b>exportGrades</b> () Export Grades allows user to export a list of the grades for current course
void	<b>genReport</b> (main.java.ca.uwo.csd.cs2212.team9.Student student)  Generates a Report for a student with grade average information
java.lang.String	<b>getCode</b> () Gets the course code for specified course
java.util.LinkedList<main.java.ca.uwo.csd.cs2212.team9.Deliverable>	<b>getDeliverables</b> () Returns a list of the deliverables currently assigned to the student
<b>BinaryTree</b>	<b>getStudentList</b> () Gets the list of students currently in active course
java.lang.String	<b>getTerm</b> () Gets the term for specified course
java.lang.String	<b>getTitle</b> () Gets the course title for specified course
void	<b>importGrades</b> () Import Grades allows user to import a list of grades for a current course
void	<b>importStudents</b> () Imports class list from a CSV file
boolean	<b>isActive</b> () Gets the currently selected course
void	<b>removeDeliverable</b> (java.lang.String name) Removes the deliverable specified by name from the course.

void	<b>removeStudent</b> (java.lang.String studentNumber) Removes the specified student from the class list
void	<b>setActive</b> (boolean active)
void	<b>setCode</b> (java.lang.String code) Changes course code for specific course to given string
void	<b>setTerm</b> (java.lang.String term) Changes the term the course is in
void	<b>setTitle</b> (java.lang.String title) Changes the title for particular course

### Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructor Detail

### Course

```
public Course(java.lang.String code,
              java.lang.String title,
              java.lang.String term)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Constructor

#### Parameters:

code -  
title -  
term -

#### Throws:

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

## Method Detail

### isActive

```
public boolean isActive()
```

Gets the currently selected course

#### Returns:

the courses status

### getCode

```
public java.lang.String getCode()
```

Gets the course code for specified course

#### Returns:

the course code

### getDeliverables

```
public java.util.LinkedList<main.java.ca.uwo.csd.cs2212.team9.Deliverable> getDeliverables()
```

Returns a list of the deliverables currently assigned to the student

#### Returns:

the deliverables

### getTerm

```
public java.lang.String getTerm()
```

Gets the term for specified course

**Returns:**

the course term

### getTitle

```
public java.lang.String getTitle()
```

Gets the course title for specified course

**Returns:**

the course title

### getStudentList

```
public BinaryTree getStudentList()
```

Gets the list of students currently in active course

**Returns:**

the class list

### setActive

```
public void setActive(boolean active)
```

**Parameters:**

active - the activity status to set

### setCode

```
public void setCode(java.lang.String code)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Changes course code for specific course to given string

**Parameters:**

code -

InvalidInfoException -

**Throws:**

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

### setTerm

```
public void setTerm(java.lang.String term)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Changes the term the course is in

**Parameters:**

term -

**Throws:**

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

### setTitle

```
public void setTitle(java.lang.String title)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Changes the title for particular course

**Parameters:**

title -

**Throws:**

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

## addDeliverable

```
public void addDeliverable(main.java.ca.uwo.csd.cs2212.team9.Deliverable del)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Adds a deliverable to the course, requiring a unique deliverable name.

**Parameters:**

del - the deliverable to add

**Throws:**

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

## addStudent

```
public void addStudent(main.java.ca.uwo.csd.cs2212.team9.Student student)
    throws main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException
```

Adds give student to the class list, requiring a unique student number and email address.

**Parameters:**

student - the student to add to the list

**Throws:**

main.java.ca.uwo.csd.cs2212.team9.InvalidInfoException

## email

```
public void email()
```

Email Student allows user to email a student with generated report attached

## exportGrades

```
public void exportGrades()
```

Export Grades allows user to export a list of the grades for current course

## genReport

```
public void genReport(main.java.ca.uwo.csd.cs2212.team9.Student student)
```

Generates a Report for a student with grade average information

**Parameters:**

student - Given student to generate report for

## importGrades

```
public void importGrades()
```

Import Grades allows user to import a list of grades for a current course

## importStudents

```
public void importStudents()
```

Imports class list from a CSV file

## removeDeliverable

```
public void removeDeliverable(java.lang.String name)
    throws main.java.ca.uwo.csd.cs2212.team9.ElementNotFoundException
```

Removes the deliverable specified by name from the course.

### Parameters:

name - the name of the deliverable to remove.

### Throws:

main.java.ca.uwo.csd.cs2212.team9.ElementNotFoundException

## removeStudent

```
public void removeStudent(java.lang.String studentNumber)
```

Removes the specified student from the class list

### Parameters:

number - the student number of the student to remove

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