

Class Project

java.lang.Object
Project

```
public class Project
extends java.lang.Object
```

the data object class for a "Project" that will be stored in the database, created and maintain by a faculty member.

Field Summary

Fields	
Modifier and Type	Field and Description
private java.lang.String	abstractText the abstract text of a project
private java.util.ArrayList<java.lang.String>	contributors the list of contributors that are also working on a project (listed by their ID)
private java.util.ArrayList<java.lang.String>	keywords the list of associated keywords with a single project
private java.lang.String	ownerID the owner's user ID of a project
private java.lang.String	projectName the name of a project, determined by the faculty member owner
private int	projID the unique ID for a project

Constructor Summary

Constructors	
Constructor and Description	
Project (int projID, java.lang.String projectName, java.lang.String abstractText, java.lang.String ownerUsername)	
Constructs a project data object	

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method and Description	
void	addContributor (java.lang.String contributor)	
void	addKeyword (java.lang.String keyword)	
java.lang.String	getAbstractText ()	
java.util.ArrayList<java.lang.String>	getContributors ()	
java.util.ArrayList<java.lang.String>	getKeywords ()	
java.lang.String	getOwnerID ()	
java.lang.String	getProjectName ()	
int	getProjID ()	
void	removeContributor (java.lang.String contributor)	
void	setAbstractText (java.lang.String abstractText)	
void	setOwnerID (java.lang.String ownerID)	
void	setProjectName (java.lang.String projectName)	
void	setProjID (int projID)	

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail**projID**

```
private int projID
```

the unique ID for a project

projectName

```
private java.lang.String projectName
```

the name of a project, determined by the faculty member owner

contributors

```
private java.util.ArrayList<java.lang.String> contributors
```

the list of contributors that are also working on a project (listed by their ID)

keywords

```
private java.util.ArrayList<java.lang.String> keywords
```

the list of associated keywords with a single project

abstractText

```
private java.lang.String abstractText
```

the abstract text of a project

ownerID

```
private java.lang.String ownerID
```

the owner's user ID of a project

Constructor Detail**Project**

```
public Project(int projID,  
               java.lang.String projectName,  
               java.lang.String abstractText,  
               java.lang.String ownerUsername)
```

Constructs a project data object

Parameters:

projID - the auto generated projID as created by the database
projectName - the name of the project
abstractText - the abstract text to add to a project
ownerUsername - the username ID of the owner of the new project

Method Detail**getProjID**

```
public int getProjID()
```

Returns:

the project ID

getProjectName

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

Returns:

the project name

getContributors

```
public java.util.ArrayList<java.lang.String> getContributors()
```

Returns:

the list of contributors

getAbstractText

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

Returns:

the abstract text of a project

getOwnerID

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

Returns:

the owner's ID

getKeywords

```
public java.util.ArrayList<java.lang.String> getKeywords()
```

Returns:

the list of associated keywords

setProjID

```
public void setProjID(int projID)
```

setProjectName

```
public void setProjectName(java.lang.String projectName)
```

setAbstractText

```
public void setAbstractText(java.lang.String abstractText)
```

setOwnerID

```
public void setOwnerID(java.lang.String ownerID)
```

addContributor

```
public void addContributor(java.lang.String contributor)
```

removeContributor

```
public void removeContributor(java.lang.String contributor)
```

addKeyword

```
public void addKeyword(java.lang.String keyword)
```