Class Projects

java.lang.Object
    Projects

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

Constructor Summary

Constructors

Constructor and Description
Projects()

Method Summary

All Methods   Instance Methods   Concrete Methods

Modifier and Type	Method and Description
int	addContributorToProject(int projectID, java.lang.String contributorUsername) Adds a contributor to a project
boolean	addProject(int projID, java.lang.String projectName, java.lang.String abstractText, java.lang.String ownerUsername) Adds a project to the database if the user trying is of type Faculty and has logged in.
int	deleteContributorFromProject(int projectID, java.lang.String contributorUsername) Removes a contributor from a project
int	deleteProject(int projectID) Deletes a project
int	editProjectAbstract(int projID, java.lang.String newAbstractText) Edits a project abstract text
int	editProjectName(int projID, java.lang.String newName) Edits a project name
int	editProjectOwner(int projID, java.lang.String newUsername) Edits a project's owner
java.util.ArrayList<java.lang.String>	findKeywordsByProjectID(int projID) Finds all keywords associated with a given project ID number
java.util.ArrayList<java.util.ArrayList<java.lang.String>>	findProjectByID(java.lang.Integer projID) Returns a single project given the primary key projID
java.util.ArrayList<java.util.ArrayList<java.lang.String>>	findProjectsByContributor(java.lang.String contributorUserID) finds any projects in the database by a given contributor
java.util.ArrayList<Project>	findProjectsByKeyword(java.lang.String keyword) finds all projects in the database that have a given keyword
java.util.ArrayList<java.util.ArrayList<java.lang.String>>	findProjectsByName(java.lang.String projectName) find all projects in database by a given name
java.util.ArrayList<java.util.ArrayList<java.lang.String>>	findProjectsByOwner(java.lang.String ownerID) Finds any projects in the database by the owner ID

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructor Detail

Projects

```
public Projects()
```

Method Detail

---

findProjectsByName

public java.util.ArrayList<java.util.ArrayList<java.lang.String>> findProjectsByName(java.lang.String projectName)

find all projects in database by a given name

Parameters:
projectName - the name of a project

Returns:
a list of projects with a given name

---

findProjectsByOwner

public java.util.ArrayList<java.util.ArrayList<java.lang.String>> findProjectsByOwner(java.lang.String ownerID)

Finds any projects in the database by the owner ID

Parameters:
ownerID - the user ID of the owner to search for owned projects

Returns:
a list of projects owned by a given owner userID, or null if no results

---

findProjectByID

public java.util.ArrayList<java.util.ArrayList<java.lang.String>> findProjectByID(java.lang.Integer projID)

Returns a single project given the primary key projID

Parameters:
projID - the unique key that links to a single project in the database

Returns:
a single project object or null if no results from db

---

findProjectsByContributor

public java.util.ArrayList<java.util.ArrayList<java.lang.String>> findProjectsByContributor(java.lang.String contributorUserID)

finds any projects in the database by a given contributor

Parameters:
contributorUserID - the user ID to get associated projects from

Returns:
a list of projects

---

findProjectsByKeyword

public java.util.ArrayList<Project> findProjectsByKeyword(java.lang.String keyword)

finds all projects in the database that have a given keyword

Parameters:
keyword - the keyword to get all associated projects with

Returns:
a list of projects or null if no results

---

findKeywordsByProjectID

public java.util.ArrayList<java.lang.String> findKeywordsByProjectID(int projID)

Finds all keywords associated with a given project ID number

Parameters:
projID - the projID of a project

Returns:
a list of keywords

---

addProject

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

Adds a project to the database if the user trying is of type Faculty and has logged in.

Parameters:

```
int - projectID
```

```
projectName - the name of the project
```

```
abstractText - the content of the project
```

```
ownerUsername - the owner's unique username
```

Returns:

```
true if the add was successful, false otherwise
```

editProjectName

```
public int editProjectName(int projID,
                           java.lang.String newName)
```

Edits a project name

Parameters:

```
int - projectID
```

```
newName - the new name
```

Returns:

```
int
```

editProjectAbstract

```
public int editProjectAbstract(int projID,
                               java.lang.String newAbstractText)
```

Edits a project abstract text

Parameters:

```
int - projectIDchange
```

```
newAbstractText - the new abstract text
```

Returns:

```
int
```

editProjectOwner

```
public int editProjectOwner(int projID,
                            java.lang.String newUsername)
```

Edits a project's owner

Parameters:

```
int - projectID
```

```
newUsername - the new user to change to
```

Returns:

```
int
```

deleteProject

```
public int deleteProject(int projectID)
```

Deletes a project

Parameters:

```
int - projectID
```

Returns:

```
int
```

addContributorToProject

```
public int addContributorToProject(int projectID,
                                   java.lang.String contributorUsername)
```

Adds a contributor to a project

Parameters:

int - projectID

contributorUsername - the username of the contributor

Returns:

int

---

deleteContributorFromProject

```
public int deleteContributorFromProject(int projectID,
                                        java.lang.String contributorUsername)
```

Removes a contributor from a project

Parameters:

int - projectID

contributorUsername - the username of the contributor

Returns:

int