edu.mit.csail.aeolus.api

Class AeolusLabel

```
java.lang.Object
  └─ edu.mit.csail.aeolus.api.AeolusLabel
```

All Implemented Interfaces:

java.io.Serializable, java.lang.Cloneable

```
public final class AeolusLabelextends java.lang.Objectimplements java.io.Serializable, java.lang.Cloneable
```

An AeolusLabel is a collection of AeolusTags.

See Also:

Serialized Form

Constructor Summary

`AeolusLabel``()` Creates a new empty label	

Method Summary

`void`	**`addTag`**`(AeolusTag t)` Adds tag t to this
`AeolusLabel`	**`clone`**`()` Returns a copy of this
`boolean`	**`equals`**`(AeolusLabel l)` Checks if this and l have the same tags
`boolean`	**`hasTag`**`(AeolusTag t)` Checks if this contains tag t
`AeolusLabel`	**`intersection`**`(AeolusLabel l)` Intersect this with l
`boolean`	**`isEmpty`**`()` Checks whether this is empty
`boolean`	**`isSubsetOf`**`(AeolusLabel l)` Checks if the tags in this are a subset of the tags in l
`java.util.List<AeolusTag>`	**`members`**`()` Returns a list of tags in the label
`void`	**`removeTag`**`(AeolusTag t)` Removes tag t from this
`int`	**`size`**`()` Returns the number of tags in this label
`java.lang.String`	**`toString`**`()` Returns the string representation of this label
`AeolusLabel`	**`union`**`(AeolusLabel l)` Form the union of this and l

Methods inherited from class java.lang.Object

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

Constructor Detail

AeolusLabel

```
public AeolusLabel()
```

Creates a new empty label

Method Detail

addTag

`public void **addTag**(AeolusTag t)`

Adds tag t to this

---

clone

`public AeolusLabel **clone**()`

Returns a copy of this

Overrides:
`clone` in class `java.lang.Object`
Returns:
a copy of this

---

equals

`public boolean **equals**(AeolusLabel l)`

Checks if this and l have the same tags

Parameters:
`l` -
Returns:
true if this and l have the same tags, else false

---

hasTag

`public boolean **hasTag**(AeolusTag t)`

Checks if this contains tag t

Returns:
true if this contains tag t or a supertag of t

---

intersection

`public AeolusLabel **intersection**(AeolusLabel l)`

Intersect this with l

Returns:

the intersection of this and l

isEmpty

```
public boolean isEmpty()
```

Checks whether this is empty

Returns:

true if this is contains no tags, else false

isSubsetOf

```
public boolean isSubsetOf(AeolusLabel l)
```

Checks if the tags in this are a subset of the tags in l

Returns:

true if the tags in this are a subset of the tags in l

members

```
public java.util.List<AeolusTag> members()
```

Returns a list of tags in the label

Returns:

a list of tags in the label

removeTag

```
public void removeTag(AeolusTag t)
```

Removes tag t from this

size

```
public int size()
```

Returns the number of tags in this label

Returns:

the number of tags in this label

toString

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

Returns the string representation of this label

Overrides:

`toString` in class `java.lang.Object`

Returns:

the string representation of this label

---

union

```
public AeolusLabel union(AeolusLabel l)
```

Form the union of this and l

Returns:

the union of this and l
