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