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Packages

Package Description

lifegame

lifegame.controller

lifegame.librairies.utils

lifegame.librairies.xml

lifegame.model

lifegame.model.exceptions

lifegame.model.listeners

lifegame.model.providers

lifegame.model.states

lifegame.view

lifegame.view.ui

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lifegame.controller 12/01/2017 16:32

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Package lifegame.controller

Interface Summary

Interface Description

CycleTaskListener: CycleTaskListener:

Interface représentant l'état d'un cycle.

Class Summary

Class Description

CycleTask extends TimerTask

Permet de notifier de façon répétitive un cycle.

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CycleTaskListener 12/01/2017 16:33

currentCycle - nombre de cycles passés.

Returns:

si true, tous les cycles seront fermés.

cancel

void cancel()

ArrÃate tous les cycles en cours.

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CycleTaskListener 12/01/2017 16:33

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.controller

Interface CycleTaskListener

All Known Implementing Classes:

LifeGame

public interface CycleTaskListener

CycleTaskListener:

Interface représentant l'état d'un cycle.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Method Summary

	All Methods	Instance Methods	Abstract Methods
--	-------------	------------------	------------------

Modifier and Type Method and Description

void cancel()

ArrÃate tous les cycles en cours.

boolean schedule(int currentCycle)

Notifie de façon périodique le nombre de cycles passés.

Method Detail

schedule

boolean schedule(int currentCycle)

Notifie de façon périodique le nombre de cycles passés.

Parameters:

CycleTask 12/01/2017 16:33

cancel, scheduledExecutionTime

Methods inherited from class java.lang.Object

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

Constructor Detail

CycleTask

public CycleTask(CycleTaskListener listener)

Method Detail

run

public void run()

Specified by:

run in interface java.lang.Runnable

Specified by:

run in class java.util.TimerTask

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lifegame.controller

Class CycleTask

java.lang.Object java.util.TimerTask lifegame.controller.CycleTask

All Implemented Interfaces:

java.lang.Runnable

public class CycleTask
extends java.util.TimerTask

CycleTask extends TimerTask

Permet de notifier de façon répétitive un cycle.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Constructor Summary

Constructors

Constructor and Description

CycleTask(CycleTaskListener listener)

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

void run()

Methods inherited from class java.util.TimerTask

AppUtil 12/01/2017 16:33

GénÃ"re de façon arbitraire un entier compris dans un intervalle défini.

Parameters:

```
\label{eq:min-da} \begin{array}{ll} \text{min-d}\tilde{A}\text{@but de l'intervalle.} \\ \\ \text{max-fin de l'intervalle.} \end{array}
```

Returns:

entier généré aléatoirement.

randomLocation

 $G\tilde{A}@n\tilde{A}$ re de fa \tilde{A} on arbitraire un point selon des coordonn $\tilde{A}@es$ limites.

Parameters:

minX - coordonnée x minimum.

maxX - coordonnée x maximum.

minY - coordonnée y minimum.

maxY - coordonnée y maximum.

Returns:

point gÃ@nÃ@rÃ@ alÃ@atoirement.

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AppUtil 12/01/2017 16:33

static int random(double min, double max)

GénÃ"re de façon arbitraire un entier compris dans un

intervalle défini.

static java.awt.Point randomLocation(int minX, int maxX, int minY,

int maxY)

GénÃ"re de façon arbitraire un point selon des coordonnées

limites.

static void runOnUIThread(java.lang.Runnable runnable)

Exécute une closure dans le thread principale.

Methods inherited from class java.lang.Object

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

Constructor Detail

AppUtil

public AppUtil()

Method Detail

closeApp

public static void closeApp()

Ferme l'application.

runOnUIThread

public static void runOnUIThread(java.lang.Runnable runnable)

Exécute une closure dans le thread principale.

Parameters:

runnable - closure à exécuter.

random

AppUtil 12/01/2017 16:33

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lifegame.librairies.utils

Class AppUtil

java.lang.Object lifegame.librairies.utils.AppUtil

public final class AppUtil
extends java.lang.Object

AppUtil

methods

• closeApp:

Ferme l'application.

• runOnUIThread:

Exécute une closure dans le thread principale.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Constructor Summary

Constructors

Constructor and Description

AppUtil()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

Ferme l'application.

DialogUtil 12/01/2017 16:33

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

Constructor Detail

DialogUtil

public DialogUtil()

Method Detail

canAppClosed

Demande \tilde{A} l'utilisateur si l'application doit \tilde{A}^a tre ferm \tilde{A} ©e.

Parameters:

title - titre de la fenêtre.

message - message de la fenêtre.

Returns:

si true, l'application peut être fermée.

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DialogUtil 12/01/2017 16:33

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.librairies.utils

Class DialogUtil

java.lang.Object

lifegame.librairies.utils.DialogUtil

public final class DialogUtil
extends java.lang.Object

DialogUtil methods

• canAppClosed:

Demande à l'utilisateur si l'application doit Ã^atre fermée.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Constructor Summary

Constructors

Constructor and Description

DialogUtil()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

static boolean canAppClosed(java.lang.String title,

java.lang.String message)

Demande à l'utilisateur si l'application doit Ãatre fermée.

Methods inherited from class java.lang.Object

Resources 12/01/2017 16:33

public int getInt(java.lang.String id)

 $R\tilde{A}$ ©cup \tilde{A} "re un entier \tilde{A} partir d'un identifiant depuis integers.xml.

Parameters:

id - identifiant relatif à un entier.

Returns:

entier.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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Resources 12/01/2017 16:33

RécupÃ"re un entier à partir d'un identifiant depuis integers.xml.

java.lang.String getString(java.lang.String id)

RécupÃ"re une chaîne de caractÃ"res à partir d'un identifiant

depuis strings.xml.

Charge les fichiers XML de configuration.

Methods inherited from class java.lang.Object

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

Method Detail

getInstance

public static Resources getInstance()

RécupÃ"re un singleton de cette classe.

Returns:

Resources.

initAppConfiguration

public void initAppConfiguration()

Charge les fichiers XML de configuration.

getString

public java.lang.String getString(java.lang.String id)

RécupÃ"re une chaîne de caractÃ"res à partir d'un identifiant depuis strings.xml.

Parameters:

id - identifiant relatif à une chaîne de caractÃ"res.

Returns:

une chaîne de caractÃ"res.

getInt

Resources 12/01/2017 16:33

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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lifegame.librairies.utils

Class Resources

java.lang.Object lifegame.librairies.utils.Resources

public final class Resources
extends java.lang.Object

Resources

methods

• getInstance:

RécupÃ"re un singleton de cette classe.

• initAppConfiguration:

Charge les fichiers XML de configuration.

• getString:

RécupÃ"re une chaîne de caractÃ"res à partir d'un identifiant depuis strings.xml.

• getInt:

RécupÃ"re un entier à partir d'un identifiant depuis integers.xml.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type Method and Description

static Resources getInstance()

RécupÃ"re un singleton de cette classe.

int getInt(java.lang.String id)

ResourcesReader 12/01/2017 16:34

builder

protected final javax.xml.parsers.DocumentBuilder builder

Constructor Detail

ResourcesReader

```
public ResourcesReader()
```

throws javax.xml.parsers.FactoryConfigurationError, javax.xml.parsers.ParserConfigurationException

Throws:

javax.xml.parsers.FactoryConfigurationError

javax.xml.parsers.ParserConfigurationException

Method Detail

configuration

public abstract java.util.Map<java.lang.String,java.lang.Object> configuration()

value

public abstract java.lang.String value(java.lang.String attribute)

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ResourcesReader 12/01/2017 16:34

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.librairies.xml

Class ResourcesReader

java.lang.Object

lifegame.librairies.xml.ResourcesReader

Direct Known Subclasses:

XmlReader

public abstract class ResourcesReader
extends java.lang.Object

Field Summary

Fields

Modifier and Type Field and Description

protected javax.xml.parsers.DocumentBuilder builder

Constructor Summary

Constructors

Constructor and Description

ResourcesReader()

Method Summary

All Methods Instance Methods Abstract Methods

Modifier and Type Method and Description

abstract java.util.Map<java.lang.String,java.lang.Object> configuration()

abstract java.lang.String value(java.lang.String attribute)

Methods inherited from class java.lang.Object

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

Field Detail

XmlReader 12/01/2017 16:34

Constructor Detail

XmlReader

Throws:

```
javax.xml.parsers.FactoryConfigurationError
javax.xml.parsers.ParserConfigurationException
org.xml.sax.SAXException
java.io.IOException
```

Method Detail

configuration

public java.util.Map<java.lang.String,java.lang.Object> configuration()

Specified by:

configuration in class ResourcesReader

value

Specified by:

value in class ResourcesReader

Throws:

org.w3c.dom.DOMException

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XmlReader 12/01/2017 16:34

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.librairies.xml

Class XmlReader

java.lang.Object

lifegame.librairies.xml.ResourcesReader lifegame.librairies.xml.XmlReader

public final class XmlReader
extends ResourcesReader

Field Summary

Fields inherited from class lifegame.librairies.xml.ResourcesReader

builder

Constructor Summary

Constructors

Constructor and Description

XmlReader(java.lang.String filename)

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type

Method and Description

java.util.Map<java.lang.String,java.lang.Object> configuration()

java.lang.String attribute)

Methods inherited from class java.lang.Object

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

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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public static final int RIGHT

Représente un mouvement vers la droite.

Valeur: 2

See Also:

Constant Field Values

LEFT

public static final int LEFT

Représente un mouvement vers la gauche.

Valeur: 3

See Also:

Constant Field Values

Constructor Detail

Movement

public Movement()

Method Detail

random

public static int random()

GénÃ"re aléatoirement un mouvement.

Returns:

un Movement pouvant être un mouvement suivant:

- UP
- DOWN
- RIGHT
- LEFT

Constructor and Description

Movement()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

static int random()

GÃC)nÃ"re alÃC)atoirement un mouvement.

Methods inherited from class java.lang.Object

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

Field Detail

UP

public static final int UP

Représente un mouvement vers le haut.

Valeur: o

See Also:

Constant Field Values

DOWN

public static final int DOWN

Représente un mouvement vers le bas.

Valeur: 1

See Also:

Constant Field Values

RIGHT

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model

Class Movement

java.lang.Object lifegame.model.Movement

public class Movement
extends java.lang.Object

Movement:

Utilitaire pour les mouvements.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Field Summary

Fields

rieids	
Modifier and Type	Field and Description
static int	DOWN Représente un mouvement vers le bas.
static int	LEFT Représente un mouvement vers la gauche.
static int	RIGHT Représente un mouvement vers la droite.
static int	UP Représente un mouvement vers le haut.

Constructor Summary

Constructors

nouvelle instance de Poisson.

isAlive

public boolean isAlive()

Définie si le poisson est vivant ou mort.

Returns:

si true, le poisson est encore vivant.

handlePosition

protected java.awt.Point handlePosition()

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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setPositionY

public void setPositionY(int positionY)

Modifie la position verticale du poisson

Parameters:

positionY - position verticale du poisson.

setAge

Modifie l'âge du poisson.

Parameters:

age - âge du poisson.

Throws:

PoissonException - l' \tilde{A} ¢ge doit \tilde{A} ªtre compris entre MINIMAL_AGE et MAXIMAL AGE.

getAge

public double getAge()

RécupÃ"re l'âge du poisson.

Returns:

âge du poisson.

incrementAge

public void incrementAge()

Incrémente l'âge du poisson de 1.0.

born

public Poisson born()

Donne naissance à un nouveau poisson.

Returns:

equals

public boolean equals(java.lang.Object object)

Overrides:

equals in class java.lang.Object

setPoissonListener

public void setPoissonListener(PoissonListener listener)

Mise en place d'un écouteur sur les différents évÃ"nements que ce poisson régit.

Parameters:

listener - écouteur.

getPositionX

public int getPositionX()

RécupÃ"re la position horizontale du poisson.

Returns:

position horizontale du poisson.

getPositionY

public int getPositionY()

RécupÃ"re la position verticale du poisson.

Returns:

position verticale du poisson.

setPositionX

public void setPositionX(int positionX)

Modifie la position horizontale du poisson

Parameters:

positionX - position horizontale du poisson.

positionY

protected int positionY

Constructor Detail

Poisson

Crée une nouvelle instance de Poisson:

- Initialise l'¢ge du poisson à o.
- Initialise l'âge maximum de façon aléatoire en tenant compte d'un âge certain.

Parameters:

```
positionX - position horizontale du poisson.
positionY - position verticale du poisson.
```

Poisson

public Poisson(Poisson poisson)

Method Detail

move

```
public void move()
```

Déplace le poisson d'une case dans une direction définie.

hashCode

```
public int hashCode()
```

Overrides:

hashCode in class java.lang.Object

Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, toString, wait, wait, wait

Field Detail

MINIMAL_AGE

public static final double MINIMAL_AGE

Ã,ge minimal légal.

Valeur: o

See Also:

Constant Field Values

MAXIMAL_AGE

public static final double MAXIMAL_AGE

 \tilde{A} , ge maximal \tilde{A} @gal (diff \tilde{A} @rent de l' \tilde{A} ¢ge maximum qui correspond \tilde{A} l' \tilde{A} ¢ge limite de vie du poisson).

Valeur: 20

See Also:

Constant Field Values

listener

protected PoissonListener listener

age

protected double age

positionX

protected int positionX

Initialise l' \tilde{A} ¢ge du poisson \tilde{A} o.

Poisson(Poisson poisson)

Method Summary

All Methods Instance Method	ods Concrete Methods
Modifier and Type	Method and Description
Poisson	born () Donne naissance à un nouveau poisson.
boolean	equals(java.lang.Object object)
double	getAge() RécupÃ"re l'âge du poisson.
int	getPositionX() RécupÃ"re la position horizontale du poisson.
int	getPositionY() RécupÃ"re la position verticale du poisson.
protected java.awt.Point	handlePosition()
int	hashCode()
void	incrementAge() Incrémente l'âge du poisson de 1.0.
boolean	isAlive() Définie si le poisson est vivant ou mort.
void	move () Déplace le poisson d'une case dans une direction définie.
void	setAge(double age) Modifie l'âge du poisson.
void	setPoissonListener (PoissonListener listener) Mise en place d'un écouteur sur les différents évÃ"nements que ce poisson régit.
void	setPositionX(int positionX) Modifie la position horizontale du poisson
void	setPositionY(int positionY) Modifie la position verticale du poisson

Modifie l'âge du poisson.

• born():

Donne naissance à un nouveau Poisson.

• isAlive():

Définie si le poisson est vivant ou mort.

• moveTo(x, y):

Déplace le poisson aux nouvelles positions horizontale et verticale.

Version:

1.0

Author:

- Jesus GARNICA OLARRA.
- Hivinau GRAFFE.

Field Summary

Fields

protected double age

protected PoissonListener listener

static double MAXIMAL AGE

Ã,ge maximal légal (différent de l'âge maximum qui

correspond à l'âge limite de vie du poisson).

static double MINIMAL AGE

Ã,ge minimal légal.

protected int positionX

protected int positionY

Constructor Summary

Constructors

Constructor and Description

Poisson(int positionX, int positionY)

Crée une nouvelle instance de Poisson:

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lifegame.model

Class Poisson

java.lang.Object lifegame.model.Poisson

Direct Known Subclasses:

Requin, Sardine

public abstract class Poisson
extends java.lang.Object

Poisson:

- attributes
 - age:

âge courant du poisson.

• maxAge:

âge maximum du poisson.

• positionX:

position horizontale du poisson.

• positionY:

position verticale du poisson.

methods

• move():

Déplace le poisson d'une case dans une direction définie.

• getPositionX():

RécupÃ"re la position horizontale du poisson.

• getPositionY():

RécupÃ"re la position verticale du poisson.

• setAge(age):

Requin 12/01/2017 16:34

public void setRequinState(RequinState requinStateListener)

move

public void move()

Description copied from class: Poisson

Déplace le poisson d'une case dans une direction définie.

Overrides:

move in class Poisson

eat

public void eat(Sardine sardine)

Ajoute une sardine dans le décompte totale de sardines mangés.

Parameters:

sardine - Sardine A ajouter.

getState

public int getState()

RécupÃ"re l'état du requin.

Returns:

l'état du requin.

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Requin 12/01/2017 16:34

Constructor and Description

Requin(int positionX, int positionY)

Method Summary

All Methods	Instance Methods	Concrete Methods

Modifier and Type	Method and Description
void	$ \begin{array}{ll} \textbf{eat(Sardine sardine)} \\ A joute une sardine dans le d \tilde{A} @ compte totale de sardines mang \tilde{A} @ s. \end{array} $
int	getState() RécupÃ"re l'état du requin.
void	move () Déplace le poisson d'une case dans une direction définie.
void	<pre>setRequinState(RequinState requinStateListener)</pre>

Methods inherited from class lifegame.model.Poisson

born, equals, getAge, getPositionX, getPositionY, handlePosition,
hashCode, incrementAge, isAlive, setAge, setPoissonListener,
setPositionX, setPositionY

Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Requin

Method Detail

setRequinState

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model

Class Requin

java.lang.Object lifegame.model.Poisson lifegame.model.Requin

public final class Requin
extends Poisson

Requin <u>extends</u> Poisson methods

• stateChanged:

Indique que l'état du requin à évoluer.

• move:

Déplace le requin d'une case dans une direction définie.

• eat:

Ajoute une sardine dans le décompte totale de sardines mangés.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Field Summary

Fields inherited from class lifegame.model.Poisson

age, listener, MAXIMAL AGE, MINIMAL AGE, positionX, positionY

Constructor Summary

Constructors

Sardine 12/01/2017 16:34

Methods inherited from class lifegame.model.Poisson

born, equals, getAge, getPositionX, getPositionY, handlePosition, hashCode, incrementAge, isAlive, move, setAge, setPoissonListener, setPositionX, setPositionY

Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Sardine

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model

Class Sardine

java.lang.Object lifegame.model.Poisson lifegame.model.Sardine

public final class Sardine
extends Poisson

Sardine <u>extends</u> Poisson methods

move:

Déplace la sardine d'une case dans une direction définie.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Field Summary

Fields inherited from class lifegame.model.Poisson

age, listener, MAXIMAL AGE, MINIMAL AGE, positionX, positionY

Constructor Summary

Constructors

Constructor and Description

Sardine(int positionX, int positionY)

Method Summary

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Package lifegame.model.exceptions

Exception Summary

Exception Description

PoissonException PoissonException

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PoissonException 12/01/2017 16:35

Methods inherited from class java.lang.Object

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

Constructor Detail

PoissonException

public PoissonException(java.lang.String message)

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PoissonException 12/01/2017 16:35

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model.exceptions

Class PoissonException

```
java.lang.Object
java.lang.Throwable
java.lang.Exception
lifegame.model.exceptions.PoissonException
```

All Implemented Interfaces:

java.io.Serializable

```
public class PoissonException
extends java.lang.Exception
```

PoissonException

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

See Also:

Serialized Form

Constructor Summary

Constructors

Constructor and Description

PoissonException(java.lang.String message)

Method Summary

Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage,
getMessage, getStackTrace, getSuppressed, initCause, printStackTrace,
printStackTrace, printStackTrace, setStackTrace, toString

lifegame.model.listeners 12/01/2017 16:35

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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Package lifegame.model.listeners

Interface Summary

Interface Description

PoissonListener PoissonListener:

Interface permettant de gérer un poisson sur la mer.

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PoissonListener 12/01/2017 16:35

Parameters:

poisson - poisson A mettre A jour.

x - nouvelle position horizontale.

y - nouvelle position verticale.

availableDirection

int availableDirection(Poisson poisson)

Identifie le prochain mouvement du poisson.

Parameters:

poisson - poisson dont il faut identifer le prochain mouvement.

Returns

le prochain Movement du poisson.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model.listeners

Interface PoissonListener

All Known Implementing Classes:

Mer

public interface PoissonListener

PoissonListener:

Interface permettant de gérer un poisson sur la mer.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Method Summary

All Methods In	stance Methods Abstract Methods
Modifier and Type	Method and Description
int	availableDirection(Poisson poisson) Identifie le prochain mouvement du poisson.
void	update(Poisson poisson, int x, int y) Indique que le poisson est sur le point d' \tilde{A}^a tre d \tilde{A} ©plac \tilde{A} ©.

Method Detail

update

Indique que le poisson est sur le point d'Ãatre déplacé.

lifegame.model.providers 12/01/2017 16:35

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV PACKAGE NEXT PACKAGE FRAMES NO FRAMES

Package lifegame.model.providers

Class Summary

Class Description

PoissonProvider PoissonUtil:

methods randomAge() : Calcule un \tilde{A} ¢ge compris un \tilde{A} ¢ge minimum et un

âge maximum de façon aléatoire.

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PREV PACKAGE NEXT PACKAGE FRAMES NO FRAMES

PoissonProvider 12/01/2017 16:35

Returns:

nouvelle instance de Poisson.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

PoissonProvider 12/01/2017 16:35

de cette instance.

static double

randomAge(double minAge, double maxAge)

Calcule un âge compris un âge minimum et un âge maximum de

façon aléatoire.

Methods inherited from class java.lang.Object

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

Constructor Detail

PoissonProvider

public PoissonProvider()

Method Detail

randomAge

Calcule un âge compris un âge minimum et un âge maximum de façon aléatoire.

Parameters:

minAge - âge minimum.

maxAge - âge maximum.

Returns:

âge du poisson.

beBornFrom

public static Poisson beBornFrom(Poisson mum)

Crée une nouvelle instance de Poisson en définissant la position de cette instance.

Parameters:

mum - poisson qui donne naissance A un nouveau poisson.

PoissonProvider 12/01/2017 16:35

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model.providers

Class PoissonProvider

java.lang.Object

lifegame.model.providers.PoissonProvider

public final class PoissonProvider
extends java.lang.Object

PoissonUtil:

- methods
 - randomAge():

Calcule un âge compris un âge minimum et un âge maximum de façon aléatoire.

• beBornFrom():

Crée une nouvelle instance de Poisson en définissant la position de cette instance.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Constructor Summary

Constructors

Constructor and Description

PoissonProvider()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type Method and Description

static Poisson beBornFrom(Poisson mum)

Crée une nouvelle instance de **Poisson** en définissant la position

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OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV PACKAGE NEXT PACKAGE FRAMES NO FRAMES

Package lifegame.model.states

Interface Summary

Interface Description

RequinState: RequinState:

Interface repr é
sentant l'état d'un requin.

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RequinState 12/01/2017 16:36

void stateChanged(int state)

Indique la direction A prendre.

Parameters:

state - état du requin.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

RequinState 12/01/2017 16:36

void

stateChanged(int state)
Indique la direction A
prendre.

Field Detail

CHILD

static final int CHILD

Indique que le requin est enfant.

Valeur: **oxo1**

See Also:

Constant Field Values

YOUNG

static final int YOUNG

Indique que le requin est adolescent.

Valeur: **0x02**

See Also:

Constant Field Values

ADULT

static final int ADULT

Indique que le requin est adulte.

Valeur: **oxo3**

See Also:

Constant Field Values

Method Detail

stateChanged

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OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.model.states

Interface RequinState

All Known Implementing Classes:

Square

public interface RequinState

RequinState:

Interface représentant l'état d'un requin.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

Field Summary

Fields

Modifier and Type	Field and Description
modilioi alla lypo	i ioia aiia bocoiiptioii

static int ADULT

Indique que le requin est adulte.

static int CHILD

Indique que le requin est enfant.

static int YOUNG

Indique que le requin est adolescent.

Method Summary

All Methods Instance Methods Abstract Methods

Modifier and Type Method and Description

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OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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Package lifegame.view

Class Summary

Class Description

LifeGame: LifeGame:

Permet de gérer une mer et des poissons.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV PACKAGE NEXT PACKAGE FRAMES NO FRAMES

start

public void start()

Démarre un nombre de cycles infini.

start

public void start(int cycles)

Démarre un nombre de cycles défini.

Parameters:

cycles - nombre de cycles max à démarrer.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

Constructor Detail

LifeGame

Crée une nouvelle instance de LifeGame:

- Initialise les fichiers de configurations.
- Initialise les composants.

Parameters:

```
sardinesCount - nombre de sardines.
requinsCount - nombre de requins.
```

Method Detail

schedule

public boolean schedule(int currentCycle)

Description copied from interface: CycleTaskListener

Notifie de façon périodique le nombre de cycles passés.

Specified by:

schedule in interface CycleTaskListener

Parameters:

currentCycle - nombre de cycles passés.

Returns:

si true, tous les cycles seront fermés.

cancel

public void cancel()

Description copied from interface: CycleTaskListener

ArrÃate tous les cycles en cours.

Specified by:

cancel in interface CycleTaskListener

contains, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

Methods inherited from class java.lang.Object

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

Methods inherited from interface java.awt.MenuContainer

getFont, postEvent

Methods inherited from class java.awt.Window

addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowListener, addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy, createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState, getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext, getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows, getOwner, getOwnerlessWindows, getShape, getToolkit, getType, getWarningString, getWindowFocusListeners, getWindowListeners, getWindows, getWindowStateListeners, hide, isActive, isAlwaysOnTop, isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow, isFocusCycleRoot, isFocused, isLocationByPlatform, isOpaque, isShowing, isValidateRoot, pack, paint, postEvent, processEvent, processWindowFocusEvent, processWindowStateEvent, removeWindowFocusListener, removeWindowListener, removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus, setBounds, setBounds, setCursor, setFocusableWindowState, setFocusCycleRoot, setIconImages, setLocation, setLocation, setLocationByPlatform, setLocationRelativeTo, setMinimumSize, setModalExclusionType, setSize, setSize, setType, setVisible, show, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, applyComponentOrientation, areFocusTraversalKeysSet, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getComponentZOrder, getContainerListeners, getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize, getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate, isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list, list, locate, minimumSize, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy, setFocusTraversalPolicyProvider, setFont, transferFocusDownCycle, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents,

Constructor Summary

Constructors

Constructor and Description

LifeGame(int sardinesCount, int requinsCount)

Crée une nouvelle instance de LifeGame:

Initialise les fichiers de configurations.

Method Summary

ds

Modifier and Type	Method and Description
void	cancel () ArrÃ ^a te tous les cycles en cours.
boolean	schedule(int currentCycle) Notifie de façon périodique le nombre de cycles passés.
void	start() Démarre un nombre de cycles infini.
void	start(int cycles) Démarre un nombre de cycles défini.

Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar, getLayeredPane, getRootPane, getTransferHandler, isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString, processWindowEvent, remove, repaint, setContentPane, setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane, setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, setTransferHandler, update

Methods inherited from class java.awt.Frame

addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar, getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor, setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState, setTitle, setUndecorated

Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

Nested classes/interfaces inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Nested classes/interfaces inherited from class java.awt.Component

```
java.awt.Component.AccessibleAWTComponent,
java.awt.Component.BaselineResizeBehavior,
java.awt.Component.BltBufferStrategy,
java.awt.Component.FlipBufferStrategy
```

Field Summary

Fields inherited from class javax.swing.JFrame

accessibleContext, EXIT ON CLOSE, rootPane, rootPaneCheckingEnabled

Fields inherited from class java.awt.Frame

CROSSHAIR_CURSOR, DEFAULT_CURSOR, E_RESIZE_CURSOR, HAND_CURSOR, ICONIFIED, MAXIMIZED_BOTH, MAXIMIZED_HORIZ, MAXIMIZED_VERT, MOVE_CURSOR, N_RESIZE_CURSOR, NE_RESIZE_CURSOR, NORMAL, NW_RESIZE_CURSOR, S_RESIZE_CURSOR, SE_RESIZE_CURSOR, SW_RESIZE_CURSOR, TEXT_CURSOR, W RESIZE CURSOR, WAIT CURSOR

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.WindowConstants

DISPOSE ON CLOSE, DO NOTHING ON CLOSE, HIDE ON CLOSE

Fields inherited from interface java.awt.image.lmageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.view

Class LifeGame

All Implemented Interfaces:

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer,
javax.swing.WindowConstants, CycleTaskListener
```

```
public class LifeGame
extends javax.swing.JFrame
implements CycleTaskListener
```

LifeGame:

Permet de gérer une mer et des poissons.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

See Also:

Serialized Form

Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.JFrame

javax.swing.JFrame.AccessibleJFrame

Nested classes/interfaces inherited from class java.awt.Frame

java.awt.Frame.AccessibleAWTFrame

lifegame.view.ui 12/01/2017 16:36

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

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Package lifegame.view.ui

Class Summary

Class Description

Mer:

Contient une gridview.

Square Square:

Représente une case de la mer.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV PACKAGE NEXT PACKAGE FRAMES NO FRAMES

Description copied from interface: PoissonListener

Identifie le prochain mouvement du poisson.

Specified by:

availableDirection in interface PoissonListener

Parameters:

poisson - poisson dont il faut identifer le prochain mouvement.

Returns:

le prochain Movement du poisson.

update

Description copied from interface: PoissonListener

Indique que le poisson est sur le point d'Ãatre déplacé.

Specified by:

update in interface PoissonListener

Parameters:

poisson - poisson à mettre à jour.

x - nouvelle position horizontale.

y - nouvelle position verticale.

update

```
public void update()
```

DélÃ" gue les dé placements de chaque poisson.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

isMinimumSizeSet, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseWheelEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setFocusable, setFocusTraversalKeysEnabled, setIgnoreRepaint, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

Methods inherited from class java.lang.Object

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

Constructor Detail

Mer

Crée une nouvelle instance de Mer:

• Initialise les composants.

Parameters:

sardinesCount - nombre de sardines.
requinsCount - nombre de requins.

Method Detail

availableDirection

public int availableDirection(Poisson poisson)

setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setTransferHandler, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl,
addPropertyChangeListener, addPropertyChangeListener,
applyComponentOrientation, areFocusTraversalKeysSet, countComponents,
deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent,
getComponentAt, getComponentAt, getComponentCount, getComponents,
getComponentZOrder, getContainerListeners, getFocusTraversalKeys,
getFocusTraversalPolicy, getLayout, getMousePosition, insets, invalidate,
isAncestorOf, isFocusCycleRoot, isFocusCycleRoot,
isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list,
list, locate, minimumSize, paintComponents, preferredSize,
printComponents, processContainerEvent, processEvent, remove, remove,
removeAll, removeContainerListener, setComponentZOrder,
setFocusCycleRoot, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setLayout, transferFocusDownCycle,
validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, createVolatileImage, createVolatileImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBackground, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusCycleRootAncestor, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getForeground, getGraphicsConfiguration, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocale, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet,

Modifier and Type	Method and Description
int	availableDirection(Poisson poisson) Identifie le prochain mouvement du poisson.
void	update() DélÃ"gue les déplacements de chaque poisson.
void	update(Poisson poisson, int x, int y) Indique que le poisson est sur le point d' \tilde{A}^a tre d \tilde{A} ©plac \tilde{A} ©.

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUI, getUIClassID, paramString, setUI, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAncestorListeners, getAutoscrolls, getBaseline, getBaselineResizeBehavior, getBorder, getBounds, getClientProperty, getComponentGraphics, getComponentPopupMenu, getConditionForKeyStroke, getDebugGraphicsOptions, getDefaultLocale, getFontMetrics, getGraphics, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, getX, getY, grabFocus, hide, isDoubleBuffered, isLightweightComponent, isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingForPrint, isPaintingOrigin, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processKeyBinding, processKeyEvent, processMouseEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setComponentPopupMenu, setDebugGraphicsOptions, setDefaultLocale, setDoubleBuffered, setEnabled, setFocusTraversalKeys, setFont, setForeground, setInheritsPopupMenu, setInputMap, setInputVerifier,

Nested classes/interfaces inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Nested classes/interfaces inherited from class java.awt.Component

```
java.awt.Component.AccessibleAWTComponent,
java.awt.Component.BaselineResizeBehavior,
java.awt.Component.BltBufferStrategy,
java.awt.Component.FlipBufferStrategy
```

Field Summary

Fields inherited from class javax.swing.JComponent

listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN ANCESTOR OF FOCUSED COMPONENT, WHEN FOCUSED, WHEN IN FOCUSED WINDOW

Fields inherited from class java.awt.Component

accessibleContext, BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT ALIGNMENT, TOP ALIGNMENT

Fields inherited from interface java.awt.image.lmageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

Constructors

Constructor and Description

Mer(int sardinesCount, int requinsCount) Crée une nouvelle instance de Mer: Initialise les composants.

Method Summary

All Methods Instance Methods Concrete Methods

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS **NEXT CLASS** FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.view.ui

Class Mer

All Implemented Interfaces:

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, PoissonListener
```

public class Mer
extends javax.swing.JPanel
implements PoissonListener

Mer:

Contient une gridview.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

See Also:

Serialized Form

Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.JPanel

javax.swing.JPanel.AccessibleJPanel

Nested classes/interfaces inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Specified by:

stateChanged in interface RequinState

Parameters:

state - état du requin.

setPoisson

public void setPoisson(Poisson poisson)

Modifie le poisson.

Parameters:

poisson - poisson qui occupera cet espace.

removePoisson

public void removePoisson()

Retire le poisson de cet espace.

OVERVIEW PACKAGE CLASS TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

getPropertyChangeListeners, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseWheelEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setFocusable, setFocusTraversalKeysEnabled, setIgnoreRepaint, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

Methods inherited from class java.lang.Object

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

Constructor Detail

Square

public Square()

Crée une nouvelle instance de Square:

• Initialise les composants.

Method Detail

stateChanged

public void stateChanged(int state)

Description copied from interface: RequinState

Indique la direction A prendre.

setAlignmentY, setAutoscrolls, setBackground, setBorder, setComponentPopupMenu, setDebugGraphicsOptions, setDefaultLocale, setDoubleBuffered, setEnabled, setFocusTraversalKeys, setFont, setForeground, setInheritsPopupMenu, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setTransferHandler, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl,
addPropertyChangeListener, addPropertyChangeListener,
applyComponentOrientation, areFocusTraversalKeysSet, countComponents,
deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent,
getComponentAt, getComponentAt, getComponentCount, getComponents,
getComponentZOrder, getContainerListeners, getFocusTraversalKeys,
getFocusTraversalPolicy, getLayout, getMousePosition, insets, invalidate,
isAncestorOf, isFocusCycleRoot, isFocusCycleRoot,
isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list,
list, locate, minimumSize, paintComponents, preferredSize,
printComponents, processContainerEvent, processEvent, remove, remove,
removeAll, removeContainerListener, setComponentZOrder,
setFocusCycleRoot, setFocusTraversalPolicy,
setFocusTraversalPolicyProvider, setLayout, transferFocusDownCycle,
validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, createVolatileImage, createVolatileImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBackground, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusCycleRootAncestor, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getForeground, getGraphicsConfiguration, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocale, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners,

Method Summary

All Methods Instar	nce Methods Concrete Methods
Modifier and Type	Method and Description
void	removePoisson() Retire le poisson de cet espace.
void	setPoisson(Poisson poisson) Modifie le poisson.
void	stateChanged(int state) Indique la direction à prendre.

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUI, getUIClassID, paramString, setUI, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAncestorListeners, getAutoscrolls, getBaseline, getBaselineResizeBehavior, getBorder, getBounds, getClientProperty, getComponentGraphics, getComponentPopupMenu, getConditionForKeyStroke, getDebugGraphicsOptions, getDefaultLocale, getFontMetrics, getGraphics, getHeight, getInheritsPopupMenu, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPopupLocation, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getTransferHandler, getVerifyInputWhenFocusTarget, getVetoableChangeListeners, getVisibleRect, getWidth, getX, getY, grabFocus, hide, isDoubleBuffered, isLightweightComponent, isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingForPrint, isPaintingOrigin, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processKeyBinding, processKeyEvent, processMouseEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, requestFocus, requestFocusInWindow, requestFocusInWindow, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX,

Nested classes/interfaces inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Nested classes/interfaces inherited from class java.awt.Component

```
java.awt.Component.AccessibleAWTComponent,
java.awt.Component.BaselineResizeBehavior,
java.awt.Component.BltBufferStrategy,
java.awt.Component.FlipBufferStrategy
```

Field Summary

Fields inherited from class javax.swing.JComponent

listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

accessibleContext, BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT ALIGNMENT, TOP ALIGNMENT

Fields inherited from interface lifegame.model.states.RequinState

ADULT, CHILD, YOUNG

Fields inherited from interface java.awt.image.lmageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

Constructors

Constructor and Description

Square()

Crée une nouvelle instance de **Square**: Initialise les composants.

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PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

lifegame.view.ui

Class Square

All Implemented Interfaces:

```
java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, RequinState
```

public class Square
extends javax.swing.JPanel
implements RequinState

Square:

Représente une case de la mer.

Version:

1.0

Author:

Jesus GARNICA OLARRA, Hivinau GRAFFE

See Also:

Serialized Form

Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.JPanel

javax.swing.JPanel.AccessibleJPanel

Nested classes/interfaces inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent