

# Table Of Content

---

|                                   |    |
|-----------------------------------|----|
| <a href="#">vision</a>            | 2  |
| <a href="#">Config</a>            | 2  |
| <a href="#">Vision</a>            | 3  |
| <a href="#">vision.controller</a> | 4  |
| <a href="#">Controller</a>        | 4  |
| <a href="#">HeaterController</a>  | 7  |
| <a href="#">PluginController</a>  | 8  |
| <a href="#">WindowController</a>  | 9  |
| <a href="#">vision.model</a>      | 11 |
| <a href="#">Database</a>          | 12 |
| <a href="#">Groundplan</a>        | 14 |
| <a href="#">JSONConverter</a>     | 14 |
| <a href="#">Model</a>             | 16 |
| <a href="#">ObjectFactory</a>     | 20 |
| <a href="#">PluginLoader</a>      | 21 |
| <a href="#">Position</a>          | 21 |
| <a href="#">Sample</a>            | 23 |
| <a href="#">Sensor</a>            | 26 |
| <a href="#">StaticObject</a>      | 30 |
| <a href="#">Update</a>            | 30 |
| <a href="#">UpdateThread</a>      | 32 |
| <a href="#">Wall</a>              | 33 |
| <a href="#">vision.view</a>       | 34 |
| <a href="#">GuiAppState</a>       | 34 |
| <a href="#">HeaterPlugin</a>      | 35 |
| <a href="#">MainAppState</a>      | 36 |
| <a href="#">Plugin</a>            | 37 |
| <a href="#">View</a>              | 40 |
| <a href="#">WindowPlugin</a>      | 42 |
| <a href="#">Index</a>             | 45 |

# Package vision

## Class Summary

### [Config](#)

Holds global configuration variables

### [Vision](#)

Main class starts up the whole software

---

vision

## Class Config

```
java.lang.Object
|
+--vision.Config
```

---

< [Fields](#) > < [Constructors](#) >

---

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

Holds global configuration variables

## Fields

### serverUrl

```
public static final java.lang.String serverUrl
    defines where to fetch the sensor updates
```

### updateIntervall

```
public static final int updateIntervall
    defines how often the sensor data is refreshed
```

## Constructors

### Config

```
public Config()
```

---

vision

# Class Vision

```
java.lang.Object
|
+--vision.Vision
```

---

< [Constructors](#) > < [Methods](#) >

---

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

Main class starts up the whole software

## Constructors

### Vision

```
public Vision()
```

## Methods

### main

```
public static void main(java.lang.String[] args)
```

# Package vision.controller

## Class Summary

### [Controller](#)

the main controller that passes key presses, user inputs and events to the subcontrollers and the model

### [HeaterController](#)

Controller for the heater-plugin

### [PluginController](#)

abstract superclass for all plugin controllers

### [WindowController](#)

---

vision.controller

## Class Controller

```
java.lang.Object
|
+--vision.controller.Controller
```

---

< [Constructors](#) > < [Methods](#) >

---

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

the main controller that passes key presses, user inputs and events to the subcontrollers and the model

## Constructors

### Controller

```
public Controller()
```

## Methods

### bind

```
public void bind(Nifty arg0,
                 Screen arg1)
```

binds the nifty instance to this controller

---

## getModel

```
public Model getModel()
```

Getter of the property model

**Returns:**

Returns the model.

---

## getPluginController

```
public java.util.Collection getPluginController()
```

Getter of the property pluginController

**Returns:**

Returns the pluginController.

---

## getView

```
public View getView()
```

Getter of the property view

**Returns:**

Returns the view.

---

## onEndScreen

```
public void onEndScreen()
```

---

## onStartScreen

```
public void onStartScreen()
```

---

## pluginButton

```
public void pluginButton(java.lang.String id)
```

pluginButton gets called by nifty if a button of a plugin was pressed and forwards it to the respective plugin controller

---

## pluginCheckbox

`public void pluginCheckbox(java.lang.String id)`

gets called by nifty if a checkbox of a plugin was pressed and forwards it to the respective plugin controller

---

## setModel

`public void setModel(Model model)`

Setter of the property model

**Parameters:**

model - The model to set.

---

## setPluginController

`public void setPluginController(java.util.Collection pluginController)`

Setter of the property pluginController

**Parameters:**

pluginController - The pluginController to set.

---

## setView

`public void setView(View view)`

Setter of the property view

**Parameters:**

view - The view to set.

---

## userPick

`public void userPick(Geometry obj)`

called if the user picked an object

**Parameters:**

obj - the picked geometry object

---

vision.controller

# Class HeaterController

```
java.lang.Object
|
+--PluginController
|
+--vision.controller.HeaterController
```

---

< [Constructors](#) > < [Methods](#) >

---

```
public class HeaterController
extends PluginController
```

Controller for the heater-plugin

## Constructors

### HeaterController

```
public HeaterController()
```

## Methods

### getHeaterPlugin

```
public HeaterPlugin getHeaterPlugin()
```

Getter of the property heaterPlugin

**Returns:**

Returns the heaterPlugin.

---

### setHeaterPlugin

```
public void setHeaterPlugin(HeaterPlugin heaterPlugin)
```

Setter of the property heaterPlugin

**Parameters:**

heaterPlugin - The heaterPlugin to set.

---

vision.controller

# Class PluginController

```
java.lang.Object
|
+--vision.controller.PluginController
```

**Direct Known Subclasses:**

[HeaterController](#), [WindowController](#)

---

< [Constructors](#) > < [Methods](#) >

---

public abstract class **PluginController**  
extends java.lang.Object

abstract superclass for all plugin controllers

## Constructors

### PluginController

```
public PluginController(Model model,  
                        Plugin plugin)
```

constructs a new PluginController

**Parameters:**

model - the model

plugin - the plugin to manage

## Methods

### buttonPressed

```
public void buttonPressed(java.lang.String id)
```

callback function that gets called by the main controller if the user clicks on a plugin buttons

**Parameters:**

id - the id of the button

---



## createButtons

```
public java.util.Map createButtons()
```

returns a List of plugin-defined buttons that the main system creates for the plugin

**Returns:**

a Map of button ids and their Text

---

## createCheckBoxes

```
public java.util.Map createCheckBoxes()
```

returns a List of plugin-defined checkboxes (options) that the main system creates for the plugin

**Returns:**

a Map of checkbox ids and their texts

---

## getModel

```
public Model getModel()
```

Getter of the property model

**Returns:**

Returns the model.

---

## setModel

```
public void setModel(Model model)
```

Setter of the property model

**Parameters:**

model - The model to set.

---

vision.controller

# Class WindowController

```
java.lang.Object
|
+-- PluginController
    |
    +-- vision.controller.WindowController
```

---

```
public class WindowController  
extends PluginController
```

## Constructors

### WindowController

```
public WindowController()
```

## Methods

### getWindowPlugin

```
public WindowPlugin getWindowPlugin()
```

Getter of the property windowPlugin

**Returns:**

Returns the windowPlugin.

---

### setWindowPlugin

```
public void setWindowPlugin(WindowPlugin windowPlugin)
```

Setter of the property windowPlugin

**Parameters:**

windowPlugin - The windowPlugin to set.

# Package vision.model

## Class Summary

### [Database](#)

manages the database connection and saves sensordata

### [Groundplan](#)

contains all static models, building architecture.

### [JSONConverter](#)

### [Model](#)

provides a facade for all objects belonging to the model

### [ObjectFactory](#)

stub - autogenerated by jaxb

### [PluginLoader](#)

loads all plugins from a configured subdirectory

### [Position](#)

3-dimensional vector

### [Sample](#)

holds a sensor measurement and the time it was taken

### [Sensor](#)

The Sensor class holds all sensor data

### [StaticObject](#)

implements a static object in the environment

### [Update](#)

manages the server connection and fetches the sensor data

### [UpdateThread](#)

updates the sensor data in the background.

### [Wall](#)

---

vision.model

# Class Database

```
java.lang.Object
|
+--vision.model.Database
```

---

< [Constructors](#) > < [Methods](#) >

---

public class **Database**  
extends java.lang.Object

manages the database connection and saves sensordata

## Constructors

### Database

```
public Database()
```

## Methods

### getAllSensorData

```
public java.util.List getAllSensorData(int id)
```

**Parameters:**

id - id of the sensor

**Returns:**

a list of all sensor samples belonging to the given sensor

---

### getDaten

```
public Model getDaten()
```

Getter of the property daten

**Returns:**

Returns the daten.

---

## getSensordata

```
public java.util.List getSensordata(int id,  
                                     int zeitpunkt)
```

fetches the sensor samples collected

---

## getUpdate

```
public Update getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

## setDaten

```
public void setDaten(Model daten)
```

Setter of the property daten

**Parameters:**

daten - The daten to set.

---

## setUpdate

```
public void setUpdate(Update update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

## updateSensors

```
public void updateSensors(java.lang.String id,  
                           int zeitpunkt,  
                           Sample messwerte)
```

saves a sensor object in the database

---

vision.model

# Class Groundplan

```
java.lang.Object
|
+--vision.model.Groundplan
```

---

< [Constructors](#) > < [Methods](#) >

---

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

contains all static models, building architecture.

## Constructors

### Groundplan

```
public Groundplan()
```

## Methods

### load

```
public void load()
```

---

vision.model

# Class JSONConverter

```
java.lang.Object
|
+--vision.model.JSONConverter
```

---

< [Constructors](#) > < [Methods](#) >

---

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

## Constructors

# JSONConverter

```
public JSONConverter()
```

## Methods

### addSensorToList

```
public void addSensorToList()
```

---

### convert

```
public void convert()
```

---

### getSensorList

```
public java.util.List getSensorList()
```

---

### getUpdate

```
public Update getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

### getUrl

```
public void getUrl()
```

---

## setUpdate

```
public void setUpdate(Update update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

vision.model

## Class Model

```
java.lang.Object
|
+--vision.model.Model
```

---

< [Constructors](#) > < [Methods](#) >

---

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

provides a facade for all objects belonging to the model

## Constructors

### Model

```
public Model(View view)
```

## Methods

### getDatenbank

```
public Database getDatenbank()
```

Getter of the property datenbank

**Returns:**

Returns the datenbank.

---



## getGroundplan

```
public Groundplan getGroundplan()
```

Getter of the property groundplan

**Returns:**

Returns the groundplan.

---

## getPlugin

```
public java.util.Collection getPlugin()
```

Getter of the property plugin

**Returns:**

Returns the plugin.

---

## getPluginList

```
public java.util.List getPluginList()
```

Getter of the property pluginList

**Returns:**

Returns the pluginList.

---

## getPluginLoader

```
public PluginLoader getPluginLoader()
```

Getter of the property pluginLoader

**Returns:**

Returns the pluginLoader.

---

## getSensor

```
public java.util.Collection getSensor()
```

Getter of the property sensor

**Returns:**

Returns the sensor.

---

## getSensordata

```
public void getSensordata(java.lang.String id,  
                           int time)
```

---

## getTaggedSensors

```
public void getTaggedSensors(java.util.List tags)
```

---

## getUpdate

```
public Update getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

## getView

```
public View getView()
```

Getter of the property view

**Returns:**

Returns the view.

---

## setDatenbank

```
public void setDatenbank(Database datenbank)
```

Setter of the property datenbank

**Parameters:**

datenbank - The datenbank to set.

---

## setGroundplan

```
public void setGroundplan(Groundplan groundplan)
```

Setter of the property groundplan

**Parameters:**

groundplan - The groundplan to set.

---

## setPlugin

```
public void setPlugin(java.util.Collection plugin)
```

Setter of the property plugin

**Parameters:**

plugin - The plugin to set.

---

## setPluginList

```
public void setPluginList(java.util.List pluginList)
```

Setter of the property pluginList

**Parameters:**

pluginList - The pluginList to set.

---

## setPluginLoader

```
public void setPluginLoader(PluginLoader pluginLoader)
```

Setter of the property pluginLoader

**Parameters:**

pluginLoader - The pluginLoader to set.

---

## setSensor

```
public void setSensor(java.util.Collection sensor)
```

Setter of the property sensor

**Parameters:**

sensor - The sensor to set.

---

## setUpdate

```
public void setUpdate(Update update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

## setView

```
public void setView(View view)
```

Setter of the property view

**Parameters:**

view - The view to set.

---

vision.model

# Class ObjectFactory

```
java.lang.Object
|
+--vision.model.ObjectFactory
```

---

< [Constructors](#) >

---

class **ObjectFactory**  
extends java.lang.Object

stub - autogenerated by jaxb

## Constructors

## ObjectFactory

```
ObjectFactory( )
```

---

vision.model

# Class PluginLoader

```
java.lang.Object
|
+--vision.model.PluginLoader
```

---

< [Constructors](#) > < [Methods](#) >

---

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

loads all plugins from a configured subdirectory

## Constructors

### PluginLoader

```
public PluginLoader()
```

## Methods

### loadPlugins

```
public java.util.List loadPlugins()
```

---

vision.model

# Class Position

```
java.lang.Object
|
+--vision.model.Position
```

---

< [Constructors](#) > < [Methods](#) >

---

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

3-dimensional vector

## Constructors

# Position

```
public Position()
```

## Methods

### getSensor

```
public Sensor getSensor()
```

Getter of the property sensor

**Returns:**

Returns the sensor.

---

### getX

```
public float getX()
```

Getter of the property x

**Returns:**

Returns the x.

---

### getY

```
public float getY()
```

Getter of the property y

**Returns:**

Returns the y.

---

### getZ

```
public float getZ()
```

Getter of the property z

**Returns:**

Returns the z.

---

## setSensor

```
public void setSensor(Sensor sensor)
```

Setter of the property sensor

**Parameters:**

sensor - The sensor to set.

---

## setX

```
public void setX(float x)
```

Setter of the property x

**Parameters:**

x - The x to set.

---

## setY

```
public void setY(float y)
```

Setter of the property y

**Parameters:**

y - The y to set.

---

## setZ

```
public void setZ(float z)
```

Setter of the property z

**Parameters:**

z - The z to set.

---

vision.model

# Class Sample

```
java.lang.Object
|
+--vision.model.Sample
```

---

< [Constructors](#) > < [Methods](#) >

---

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

holds a sensor measurement and the time it was taken

## Constructors

### Sample

```
public Sample()
```

## Methods

### getMesswert

```
public void getMesswert()
```

---

### getSensor

```
public Sensor getSensor()
```

Getter of the property sensor

**Returns:**

Returns the sensor.

---

### getTyp

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

Getter of the property typ

**Returns:**

Returns the typ.

---

### getUnit

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

Getter of the property unit

**Returns:**

Returns the unit.



---

## getUpdate

```
public int getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

## getValue

```
public float getValue()
```

Getter of the property value

**Returns:**

Returns the value.

---

## setMesswert

```
public void setMesswert()
```

---

## setSensor

```
public void setSensor(Sensor sensor)
```

Setter of the property sensor

**Parameters:**

sensor - The sensor to set.

---

## setTyp

```
public void setTyp(java.lang.String typ)
```

Setter of the property typ

**Parameters:**

typ - The typ to set.

---

## setUnit

```
public void setUnit(java.lang.String unit)
```

Setter of the property unit

**Parameters:**

unit - The unit to set.

---

## setUpdate

```
public void setUpdate(int update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

## setValue

```
public void setValue(float value)
```

Setter of the property value

**Parameters:**

value - The value to set.

---

vision.model

# Class Sensor

```
java.lang.Object  
|  
+--vision.model.Sensor
```

---

< [Constructors](#) > < [Methods](#) >

---

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

The Sensor class holds all sensor data

## Constructors

# Sensor

```
public Sensor()
```

## Methods

### getDescription

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

Getter of the property Description

**Returns:**

Returns the description.

---

### getId

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

Getter of the property id

**Returns:**

Returns the id.

---

### getMesswert

```
public Sample getMesswert()
```

Getter of the property messwert

**Returns:**

Returns the messwert.

---

### getPosition

```
public Position getPosition()
```

Getter of the property position

**Returns:**

Returns the position.

---

## getTags

```
public java.util.List getTags()
```

Getter of the property tags

**Returns:**

Returns the tags.

---

## getUpdate

```
public int getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

## isRegistered

```
public boolean isRegistered()
```

Getter of the property registered

**Returns:**

Returns the registered.

---

## setDescription

```
public void setDescription(java.lang.String description)
```

Setter of the property Description

**Parameters:**

Description - The description to set.

---

## setId

```
public void setId(java.lang.String id)
```

Setter of the property id

**Parameters:**

id - The id to set.

---

## setMesswert

```
public void setMesswert(Sample messwert)
```

Setter of the property messwert

**Parameters:**

messwert - The messwert to set.

---

## setPosition

```
public void setPosition(Position position)
```

Setter of the property position

**Parameters:**

position - The position to set.

---

## setRegistered

```
public void setRegistered(boolean registered)
```

Setter of the property registered

**Parameters:**

registered - The registered to set.

---

## setTags

```
public void setTags(java.util.List tags)
```

Setter of the property tags

**Parameters:**

tags - The tags to set.

---

## setUpdate

```
public void setUpdate(int update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

vision.model

# Class StaticObject

```
java.lang.Object
|
+--vision.model.StaticObject
```

---

< [Constructors](#) >

---

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

implements a static object in the environment

## Constructors

### StaticObject

```
public  StaticObject()
```

---

vision.model

# Class Update

```
java.lang.Object
|
+--vision.model.Update
```

---

< [Constructors](#) > < [Methods](#) >

---

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

manages the server connection and fetches the sensor data

## Constructors

### Update

```
public  Update()
```

## Methods

## getAllData

```
public void getAllData()
```

---

## getDatabase

```
public Database getDatabase()
```

Getter of the property database

**Returns:**

Returns the database.

---

## getDaten

```
public Model getDaten()
```

Getter of the property daten

**Returns:**

Returns the daten.

---

## getJSONConverter

```
public JSONConverter getJSONConverter()
```

Getter of the property jsonConverter

**Returns:**

Returns the jsonConverter.

---

## setDatabase

```
public void setDatabase(Database database)
```

Setter of the property database

**Parameters:**

database - The database to set.

---

## setDaten

```
public void setDaten(Model daten)
```

Setter of the property daten

**Parameters:**

daten - The daten to set.

---

## setJSONConverter

```
public void setJSONConverter(JSONConverter jsonConverter)
```

Setter of the property jsonConverter

**Parameters:**

jsonConverter - The jsonConverter to set.

---

## store

```
public void store(int time)
```

---

vision.model

# Class UpdateThread

```
java.lang.Object
|
+-- java.lang.Thread
|
+-- vision.model.UpdateThread
```

**All Implemented Interfaces:**

java.lang.Runnable

---

< [Constructors](#) > < [Methods](#) >

---

```
public class UpdateThread
extends java.lang.Thread
```

updates the sensor data in the background.

## Constructors



# UpdateThread

```
public UpdateThread()
```

## Methods

### getUpdate

```
public Update getUpdate()
```

Getter of the property update

**Returns:**

Returns the update.

---

### setUpdate

```
public void setUpdate(Update update)
```

Setter of the property update

**Parameters:**

update - The update to set.

---

vision.model

## Class Wall

```
java.lang.Object
|
+--vision.model.Wall
```

---

< [Constructors](#) >

---

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

## Constructors

### Wall

```
public Wall()
```

# Package vision.view

## Class Summary

### [GuiAppState](#)

renders the user interface

### [HeaterPlugin](#)

### [MainAppState](#)

Renders all static objects and rooms

### [Plugin](#)

### [View](#)

main class of the view package.

### [WindowPlugin](#)

---

vision.view

## Class GuiAppState

```
java.lang.Object
|
+--AbstractAppState
|
+--vision.view.GuiAppState
```

---

< [Constructors](#) > < [Methods](#) >

---

```
public class GuiAppState
extends AbstractAppState
```

renders the user interface

## Constructors

### GuiAppState

```
public GuiAppState()
```

## Methods

## initialize

```
public void initialize(AppStateManager stateManager,  
                      Application app)
```

---

vision.view

## Class HeaterPlugin

```
java.lang.Object  
|  
+--AbstractAppState  
|   |  
|   +--Plugin  
|       |  
|       +--vision.view.HeaterPlugin
```

---

< [Constructors](#) > < [Methods](#) >

---

```
public class HeaterPlugin  
extends Plugin
```

### Author:

idle This class represents the plugins of the heater

## Constructors

### HeaterPlugin

```
public HeaterPlugin()
```

## Methods

### clientUpdate

```
protected void clientUpdate(Application application)
```

updates the client

#### Overrides:

[clientUpdate](#) in class [Plugin](#)

---

## getHeaterController

```
public HeaterController getHeaterController()
```

Getter of the property heaterController

**Returns:**

Returns the heaterController.

---

## getHeaters

```
public java.util.List getHeaters()
```

Getter of the property heaters

**Returns:**

Returns the heaters1.

---

## setHeaterController

```
public void setHeaterController(HeaterController heaterController)
```

Setter of the property heaterController

**Parameters:**

heaterController - The heaterController to set.

---

## setHeaters

```
public void setHeaters(java.util.List heaters)
```

Setter of the property Heizungen

**Parameters:**

Heizungen - The heizungen to set.

---

vision.view

# Class MainAppState

```
java.lang.Object
|
+--AbstractAppState
|
+--vision.view.MainAppState
```

---

```
public class MainAppState
extends AbstractAppState
```

Renders all static objects and rooms

## Constructors

### MainAppState

```
public MainAppState()
```

## Methods

### initialize

```
public void initialize(AppStateManager stateManager,
                        Application app)
```

---

vision.view

## Class Plugin

```
java.lang.Object
|
+--AbstractAppState
|
+--vision.view.Plugin
```

**Direct Known Subclasses:**

[HeaterPlugin](#), [WindowPlugin](#)

---

< [Constructors](#) > < [Methods](#) >

---

```
public abstract class Plugin
extends AbstractAppState
```

## Constructors

### Plugin

```
public Plugin()
```

## Methods

### clientUpdate

protected void **clientUpdate**(Application application)

---

### getApp

public Application **getApp**()

Getter of the property app

**Returns:**

Returns the app.

---

### getApplication

protected Application **getApplication**()

---

### getDaten

public [Model](#) **getDaten**()

Getter of the property daten

**Returns:**

Returns the daten.

---

### getSensors

public java.util.List **getSensors**()

Getter of the property sensors

**Returns:**

Returns the sensors.

---

## getTags

```
public java.lang.String[] getTags()
```

Getter of the property tags

**Returns:**

Returns the tags.

---

## initialize

```
public void initialize(AppStateManager stateManager,  
                        Application app)
```

---

## setDaten

```
public void setDaten(Model daten)
```

Setter of the property daten

**Parameters:**

daten - The daten to set.

---

## setSensors

```
public void setSensors(java.util.List sensors)
```

Setter of the property sensors

**Parameters:**

sensors - The sensors to set.

---

## setTags

```
public void setTags(java.lang.String[] tags)
```

Setter of the property tags

**Parameters:**

tags - The tags to set.

---

## update

```
public void update(Application application)
```

---

vision.view

## Class View

```
java.lang.Object
|
+--SimpleApplication
|
+--vision.view.View
```

---

< [Constructors](#) > < [Methods](#) >

---

```
public class View
extends SimpleApplication
```

main class of the view package. contains the main update loop and calls the plugin and main views

## Constructors

### View

```
public View()
```

## Methods

### getController

```
public Controller getController()
```

Getter of the property controller

**Returns:**

Returns the controller.

---



## getDaten

```
public Model getDaten()
```

Getter of the property daten

**Returns:**

Returns the daten.

---

## getGuiAppState

```
public GuiAppState getGuiAppState()
```

Getter of the property guiAppState

**Returns:**

Returns the guiAppState.

---

## getMainAppState

```
public MainAppState getMainAppState()
```

Getter of the property mainAppState

**Returns:**

Returns the mainAppState.

---

## setController

```
public void setController(Controller controller)
```

Setter of the property controller

**Parameters:**

controller - The controller to set.

---

## setDaten

```
public void setDaten(Model daten)
```

Setter of the property daten

**Parameters:**

daten - The daten to set.

---

## setGuiAppState

```
public void setGuiAppState(GuiAppState guiAppState)
```

Setter of the property guiAppState

### Parameters:

guiAppState - The guiAppState to set.

---

## setMainAppState

```
public void setMainAppState(MainAppState mainAppState)
```

Setter of the property mainAppState

### Parameters:

mainAppState - The mainAppState to set.

---

## simpleInitApp

```
public void simpleInitApp()
```

initializes the view

---

## simpleUpdate

```
public void simpleUpdate()
```

is called every frame by jmonkey

---

vision.view

# Class WindowPlugin

```
java.lang.Object
|
+--AbstractAppState
|   |
|   +--Plugin
|       |
|       +--vision.view.WindowPlugin
```

---

< [Constructors](#) > < [Methods](#) >

---

```
public class WindowPlugin
extends Plugin
```

## Constructors

### WindowPlugin

```
public WindowPlugin()
```

## Methods

### clientUpdate

```
protected void clientUpdate(Application application)
```

**Overrides:**

[clientUpdate](#) in class [Plugin](#)

---

### getWindowController

```
public WindowController getWindowController()
```

Getter of the property windowController

**Returns:**

Returns the windowController.

---

### getWindows

```
public java.util.List getWindows()
```

Getter of the property windows

**Returns:**

Returns the windows.

---

### setWindowController

```
public void setWindowController(WindowController windowController)
```

Setter of the property windowController

**Parameters:**

windowController - The windowController to set.

---

## setWindows

```
public void setWindows(java.util.List windows)
```

Setter of the property windows

**Parameters:**

windows - The windows to set.

# INDEX

## A

[addSensorToList](#) ... 15

## B

[bind](#) ... 4

[buttonPressed](#) ... 8

## C

[clientUpdate](#) ... 35

[clientUpdate](#) ... 38

[clientUpdate](#) ... 43

[convert](#) ... 15

[createButtons](#) ... 9

[createCheckBoxes](#) ... 9

[Config](#) ... 2

[Config](#) ... 2

[Controller](#) ... 4

[Controller](#) ... 4

## D

[Database](#) ... 12

[Database](#) ... 12

## G

[getAllData](#) ... 31

[getAllSensorData](#) ... 12

[getApp](#) ... 38

[getApplication](#) ... 38

[getController](#) ... 40

[getDatabase](#) ... 31

[getDaten](#) ... 12

[getDaten](#) ... 31

[getDaten](#) ... 38

[getDaten](#) ... 41

[getDatenbank](#) ... 16

[getDescription](#) ... 27

[getGroundplan](#) ... 17

[getGuiAppState](#) ... 41

[getHeaterController](#) ... 36

[getHeaterPlugin](#) ... 7

[getHeaters](#) ... 36

[getId](#) ... 27

[getJSONConverter](#) ... 31

[getMainAppState](#) ... 41

[getMesswert](#) ... 24

[getMesswert](#) ... 27

[getModel](#) ... 5

[getModel](#) ... 9

[getPlugin](#) ... 17

[getPluginController](#) ... 5

[getPluginList](#) ... 17

[getPluginLoader](#) ... 17

[getPosition](#) ... 27

[getSensor](#) ... 17

[getSensor](#) ... 22

[getSensor](#) ... 24

[getSensordata](#) ... 13

[getSensordata](#) ... 18

[getSensorList](#) ... 15

[getSensors](#) ... 38

[getTaggedSensors](#) ... 18

[getTags](#) ... 28

[getTags](#) ... 39

[getTyp](#) ... 24

[getUnit](#) ... 24

[getUpdate](#) ... 13

[getUpdate](#) ... 15

[getUpdate](#) ... 18

[getUpdate](#) ... 25

[getUpdate](#) ... 28

[getUpdate](#) ... 33

[getUrl](#) ... 15

[getValue](#) ... 25

[getView](#) ... 5

[getView](#) ... 18

[getWindowController](#) ... 43

[getWindowPlugin](#) ... 10

[getWindows](#) ... 43

[getX](#) ... 22

[getY](#) ... 22

[getZ](#) ... 22

[Groundplan](#) ... 14

[Groundplan](#) ... 14

[GuiAppState](#) ... 34

[GuiAppState](#) ... 34

## H

[HeaterController](#) ... 7  
[HeaterController](#) ... 7  
[HeaterPlugin](#) ... 35  
[HeaterPlugin](#) ... 35

## I

[initialize](#) ... 35  
[initialize](#) ... 37  
[initialize](#) ... 39  
[isRegistered](#) ... 28

## J

[JSONConverter](#) ... 14  
[JSONConverter](#) ... 15

## L

[load](#) ... 14  
[loadPlugins](#) ... 21

## M

[main](#) ... 3  
[MainAppState](#) ... 36  
[MainAppState](#) ... 37  
[Model](#) ... 16  
[Model](#) ... 16

## O

[onEndScreen](#) ... 5  
[onStartScreen](#) ... 5  
[ObjectFactory](#) ... 20  
[ObjectFactory](#) ... 20

## P

[pluginButton](#) ... 5  
[pluginCheckbox](#) ... 6  
[Plugin](#) ... 37  
[Plugin](#) ... 37  
[PluginController](#) ... 8  
[PluginController](#) ... 8  
[PluginLoader](#) ... 21  
[PluginLoader](#) ... 21  
[Position](#) ... 21  
[Position](#) ... 22

## S

[serverUrl](#) ... 2  
[setController](#) ... 41  
[setDatabase](#) ... 31  
[setDaten](#) ... 13  
[setDaten](#) ... 32  
[setDaten](#) ... 39  
[setDaten](#) ... 41  
[setDatenbank](#) ... 18  
[setDescription](#) ... 28  
[setGroundplan](#) ... 19  
[setGuiAppState](#) ... 42  
[setHeaterController](#) ... 36  
[setHeaterPlugin](#) ... 7  
[setHeaters](#) ... 36  
[setId](#) ... 28  
[setJSONConverter](#) ... 32  
[setMainAppState](#) ... 42  
[setMesswert](#) ... 25  
[setMesswert](#) ... 29  
[setModel](#) ... 6  
[setModel](#) ... 9  
[setPlugin](#) ... 19  
[setPluginController](#) ... 6  
[setPluginList](#) ... 19  
[setPluginLoader](#) ... 19  
[setPosition](#) ... 29  
[setRegistered](#) ... 29  
[setSensor](#) ... 19  
[setSensor](#) ... 23  
[setSensor](#) ... 25  
[setSensors](#) ... 39  
[setTags](#) ... 29  
[setTags](#) ... 39  
[setTyp](#) ... 25  
[setUnit](#) ... 26  
[setUpdate](#) ... 13  
[setUpdate](#) ... 16  
[setUpdate](#) ... 20  
[setUpdate](#) ... 26  
[setUpdate](#) ... 29  
[setUpdate](#) ... 33  
[setValue](#) ... 26  
[setView](#) ... 6  
[setView](#) ... 20  
[setWindowController](#) ... 43  
[setWindowPlugin](#) ... 10  
[setWindows](#) ... 44  
[setX](#) ... 23  
[setY](#) ... 23  
[setZ](#) ... 23  
[simpleInitApp](#) ... 42  
[simpleUpdate](#) ... 42  
[store](#) ... 32  
[Sample](#) ... 23  
[Sample](#) ... 24  
[Sensor](#) ... 26  
[Sensor](#) ... 27  
[StaticObject](#) ... 30  
[StaticObject](#) ... 30

## U

[update](#) ... 40  
[updateIntervall](#) ... 2  
[updateSensors](#) ... 13  
[userPick](#) ... 6  
[Update](#) ... 30  
[Update](#) ... 30  
[UpdateThread](#) ... 32  
[UpdateThread](#) ... 33

## V

[View](#) ... 40  
[View](#) ... 40  
[Vision](#) ... 3  
[Vision](#) ... 3

## W

[Wall](#) ... 33  
[Wall](#) ... 33  
[WindowController](#) ... 9  
[WindowController](#) ... 10  
[WindowPlugin](#) ... 42  
[WindowPlugin](#) ... 43