



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Summary:
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Board

[java.lang.Object](#)
com.feke.kamisado.Board

All Implemented Interfaces:
[Serializable](#)

public class Board extends [Object](#) implements [Serializable](#)
The Board class represents the game board and handles all game logic, including player and bot interactions, scoring, and turn management.

See Also:

- [Serialized Form](#)

- **Method Summary**

All Methods	Instance Methods	Concrete Methods
Modifier and Type		
Method		
Description		
com.feke.kamisado.Tile[][]		
getMap ()		
Gets the current map representation.		
int[]		
getPoints ()		
Retrieves the current scores for both players.		

`com.feke.kamisado.Coordinate`

[`getSelected\(\)`](#)

Gets the currently selected coordinate.

`void`

[`interact`](#)(`com.feke.kamisado.Coordinate coord`)

Handles interaction with a tile on the board.

Methods inherited from class `java.lang.Object`

[`clone`](#), [`equals`](#), [`finalize`](#), [`getClass`](#), [`hashCode`](#), [`notify`](#), [`notifyAll`](#), [`toString`](#), [`wait`](#), [`wait`](#), [`wait`](#)

• Method Details

◦ **interact**

`public void interact(com.feke.kamisado.Coordinate coord)`

Handles interaction with a tile on the board. Updates the active piece or attempts to move it.

Parameters:

`coord` - the coordinate of the tile being interacted with.

◦ **getPoints**

`public int[] getPoints()`

Retrieves the current scores for both players.

Returns:

an array of scores where index 0 is Black and index 1 is White.

◦ **getMap**

`public com.feke.kamisado.Tile[][] getMap()`

Gets the current map representation.

Returns:

a 2D array of Tiles representing the map.

◦ **getSelected**

`public com.feke.kamisado.Coordinate getSelected()`

Gets the currently selected coordinate.

Returns:

the coordinate of the selected piece.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- [Summary](#) |
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- [Detail](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Bot

[java.lang.Object](#)
com.feke.kamisado.Bot

public class Bot extends [Object](#)
Represents the bot logic for the game. The bot uses the minimax algorithm to determine the optimal move based on the current board state.

• Constructor Summary

Constructors
Constructor
Description
[Bot](#) ()

• Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type		
Method		
Description		
com.feke.kamisado.Coordinate		
getMovement	(com.feke.kamisado.Coordinate coord, com.feke.kamisado.Tile[][] matrix)	
Calculates the best possible movement for the bot using the minimax algorithm.		

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

• Constructor Details

◦ Bot

```
public Bot()
```

• Method Details

◦ getMovement

```
public com.feke.kamisado.Coordinate getMovement(com.feke.kamisado.Coordinate coord, com.feke.kamisado.Tile[][] matrix)
```

Calculates the best possible movement for the bot using the minimax algorithm. Takes the current coordinate of a piece and the game board state as input.

Parameters:

`coord` - The current coordinate of the piece being moved by the bot.

`matrix` - The current state of the board represented as a 2D array of Tiles.

Returns:

The coordinate of the optimal move for the bot to make.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Summary:
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Controller

[java.lang.Object](#)
com.feke.kamisado.Controller

public class Controller extends [Object](#)
The Controller class manages the flow of the game, including user interactions, saving/loading the game, and managing the Board and View.

• Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
void	save()	Saves the current game state to a file.
void	startGame (boolean isNormalMode, boolean isBotPlaying)	Starts a new game with the specified mode and bot-playing option.

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

• Method Details

- **save**

```
public void save()
```

Saves the current game state to a file.

- **startGame**

```
public void startGame(boolean isNormalMode, boolean isBotPlaying)
```

Starts a new game with the specified mode and bot-playing option.

Parameters:

`isNormalMode` - whether the game is in normal mode (15 points to win).

`isBotPlaying` - whether a bot will play.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- [Summary](#):
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- [Detail](#):
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Map

[java.lang.Object](#)
com.feke.kamisado.Map

All Implemented Interfaces:
[Serializable](#)

public class Map extends [Object](#) implements [Serializable](#)
Represents the game map, which includes the board's tiles and manages the pieces. Implements Serializable to allow the map to be saved and restored.

See Also:

- [Serialized Form](#)

- **Method Summary**

All Methods	Instance Methods	Concrete Methods
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Modifier and Type

Method

Description

int

[getDragonTeeth](#) (com.feke.kamisado.Coordinate coord)

Gets the number of dragon teeth collected by the piece at the specified coordinate.

com.feke.kamisado.Tile[] []

[getMap](#) ()

Gets the map matrix for visualization purposes.

int

[getMovementLength](#)(com.feke.kamisado.Coordinate coord)

Gets the movement length of the piece at the specified coordinate.

com.feke.kamisado.Coordinate

[getNextPieceCoordinate](#)(com.feke.kamisado.Coordinate coord)

Returns the next piece's coordinate based on the provided piece's color and opposing team.

com.feke.kamisado.Coordinate

[getSelected](#)()

Gets the coordinate of the currently selected tile.

com.feke.kamisado.TeamEnum

[getTeam](#)(com.feke.kamisado.Coordinate coord)

Gets the team of the piece at the specified coordinate.

com.feke.kamisado.ColorEnum

[getTileColor](#)(com.feke.kamisado.Coordinate coord)

Gets the color of the tile at the specified coordinate.

boolean

[isTurnOver](#)()

Checks whether a piece has reached the enemy's base line to determine if the turn is over.

boolean

[movePiece](#)(com.feke.kamisado.Coordinate currCoord, com.feke.kamisado.Coordinate nextCoord)

Moves a piece from the current coordinate to the next coordinate if the move is valid.

void

[resetMap](#)()

Resets the map and repositions pieces.

boolean

[selectTile](#)(com.feke.kamisado.Coordinate coord)

Flags the tiles that can be moved to from the provided coordinate.

void

[unflagTiles](#)()

Unflags all tiles in the map, resetting their status to unflagged.

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

• Method Details

◦ [getSelected](#)

public com.feke.kamisado.Coordinate [getSelected](#)()

Gets the coordinate of the currently selected tile.

Returns:

The coordinate of the selected tile, or null if no tile is selected.

◦ [getMap](#)

public com.feke.kamisado.Tile[][] [getMap](#)()

Gets the map matrix for visualization purposes.

Returns:

A 2D array of Tile objects representing the map.

◦ [movePiece](#)

public boolean [movePiece](#)(com.feke.kamisado.Coordinate currCoord, com.feke.kamisado.Coordinate nextCoord)

Moves a piece from the current coordinate to the next coordinate if the move is valid.

Parameters:

`currCoord` - The current coordinate of the piece.

`nextCoord` - The target coordinate for the move.

Returns:

True if the move is successful, false otherwise.

- **resetMap**

public void resetMap()
Resets the map and repositions pieces.

- **getNextPieceCoordinate**

public com.feke.kamisado.Coordinate getNextPieceCoordinate(com.feke.kamisado.Coordinate coord)
Returns the next piece's coordinate based on the provided piece's color and opposing team.

Parameters:

`coord` - The coordinate of the current piece.

Returns:

The coordinate of the next piece.

- **selectTile**

public boolean selectTile(com.feke.kamisado.Coordinate coord)
Flags the tiles that can be moved to from the provided coordinate.

Parameters:

`coord` - The coordinate of the piece that is being moved.

Returns:

True if valid moves are available, false otherwise.

- **unflagTiles**

public void unflagTiles()
Unflags all tiles in the map, resetting their status to unflagged.

- **isTurnOver**

public boolean isTurnOver()
Checks whether a piece has reached the enemy's base line to determine if the turn is over.

Returns:

True if a piece has reached the enemy's base line, false otherwise.

- **getDragonTeeth**

public int getDragonTeeth(com.feke.kamisado.Coordinate coord)
Gets the number of dragon teeth collected by the piece at the specified coordinate.

Parameters:

`coord` - The coordinate of the piece whose dragon teeth count is to be retrieved.

Returns:

The number of dragon teeth collected by the piece.

- **getMovementLength**

public int getMovementLength(com.feke.kamisado.Coordinate coord)
Gets the movement length of the piece at the specified coordinate.

Parameters:

`coord` - The coordinate of the piece whose movement length is to be retrieved.

Returns:

The movement length of the piece.

- **getTeam**

public com.feke.kamisado.TeamEnum getTeam(com.feke.kamisado.Coordinate coord)
Gets the team of the piece at the specified coordinate.

Parameters:

`coord` - The coordinate of the piece whose team is to be retrieved.

Returns:

The team of the piece, or TeamEnum.NONE if no piece is present.

- **getTileColor**

```
public com.feke.kamisado.ColorEnum getTileColor(com.feke.kamisado.Coordinate coord)
```

Gets the color of the tile at the specified coordinate.

Parameters:

`coord` - The coordinate of the tile whose color is to be retrieved.

Returns:

The color of the tile.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Package:
 - [Description](#)
 - [Related Packages](#)
 - [Classes and Interfaces](#)

- Package:
- [Description](#) |
- [Related Packages](#) |
- [Classes and Interfaces](#)

SEARCH

Package com.feke.kamisado

package com.feke.kamisado

- [Classes](#)
 - [Class](#)
 - [Description](#)
 - [Board](#)

The Board class represents the game board and handles all game logic, including player and bot interactions, scoring, and turn management.
 - [Bot](#)

Represents the bot logic for the game.
 - [Controller](#)

The Controller class manages the flow of the game, including user interactions, saving/loading the game, and managing the Board and View.
 - [Map](#)

Represents the game map, which includes the board's tiles and manages the pieces.
 - [Piece](#)

Represents a piece on the game board.
 - [Position](#)

Represents a position on the game board.
 - [View](#)



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

SEARCH

Hierarchy For Package com.feke.kamisado

Class Hierarchy

- java.lang.[Object](#)
 - com.feke.kamisado.[Board](#) (implements java.io.[Serializable](#))
 - com.feke.kamisado.[Bot](#)
 - java.awt.[Component](#) (implements java.awt.image.[ImageObserver](#), java.awt.[MenuContainer](#), java.io.[Serializable](#))
 - java.awt.[Container](#)
 - java.awt.[Window](#) (implements javax.accessibility.[Accessible](#))
 - java.awt.[Frame](#) (implements java.awt.[MenuContainer](#))
 - javax.swing.[JFrame](#) (implements javax.accessibility.[Accessible](#), javax.swing.[RootPaneContainer](#), javax.swing.[WindowConstants](#))
 - com.feke.kamisado.[View](#)
 - com.feke.kamisado.[Controller](#)
 - com.feke.kamisado.[Map](#) (implements java.io.[Serializable](#))
 - com.feke.kamisado.[Piece](#) (implements java.io.[Serializable](#))
 - com.feke.kamisado.[Position](#)



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Summary:
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Piece

[java.lang.Object](#)
com.feke.kamisado.Piece

All Implemented Interfaces:
[Serializable](#)

public class Piece extends [Object](#) implements [Serializable](#)
Represents a piece on the game board. Tracks the team, color, and abilities of the piece.

See Also:

- [Serialized Form](#)

- **Method Summary**

All Methods	Instance Methods	Concrete Methods
-------------	------------------	------------------

Modifier and Type

Method

Description

com.feke.kamisado.ColorEnum

[getColor\(\)](#)

Gets the color of the piece.

int

[getDragonTeeth\(\)](#)

Gets the number of dragon teeth collected by the piece.

int

[getMovementLength\(\)](#)

Gets the movement length of the piece, which is calculated based on the number of dragon teeth.

com.feke.kamisado.TeamEnum

[getTeam\(\)](#)

Gets the team of the piece.

void

[increaseDragonTeeth\(\)](#)

Increases the dragon teeth count by 1, with a maximum value of 3.

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

• Method Details

◦ **getMovementLength**

public int getMovementLength()

Gets the movement length of the piece, which is calculated based on the number of dragon teeth.

Returns:

The movement length of the piece.

◦ **getDragonTeeth**

public int getDragonTeeth()

Gets the number of dragon teeth collected by the piece.

Returns:

The number of dragon teeth.

◦ **increaseDragonTeeth**

public void increaseDragonTeeth()

Increases the dragon teeth count by 1, with a maximum value of 3.

◦ **getTeam**

public com.feke.kamisado.TeamEnum getTeam()

Gets the team of the piece.

Returns:

The team of the piece.

◦ **getColor**

public com.feke.kamisado.ColorEnum getColor()

Gets the color of the piece.

Returns:

The color of the piece.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)

- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)

- Summary:
- [Nested](#) |
- [Field](#) |
- [Constr](#) |
- [Method](#)

- Detail:
- [Field](#) |
- [Constr](#) |
- [Method](#)

SEARCH

reset

Package [com.feke.kamisado](#)

Class Position

[java.lang.Object](#)

com.feke.kamisado.Position

public class Position extends [Object](#)
Represents a position on the game board. Evaluates and manages the position of pieces for gameplay purposes.

• Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type
Method
Description
com.feke.kamisado.Coordinate
getCoordinate ()
Gets the coordinate of this position.
int
getEvaluation ()
Evaluates the position to determine its value for decision-making in gameplay.
ArrayList < Position >
getPossiblePositions ()
Gets all possible positions that can be reached from the current position.
ArrayList <com.feke.kamisado.Coordinate>
getValidMovements (com.feke.kamisado.Coordinate coord)
Gets all valid movements from the given coordinate.
boolean

[isEndOfGame\(\)](#)

Checks if this position is a game-ending position for a piece.

[String](#)

[toString\(\)](#)

Returns a string representation of the position.

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

• Method Details

◦ **toString**

public [String](#) toString()

Returns a string representation of the position.

Overrides:

[toString](#) in class [Object](#)

Returns:

A string representation of the coordinate.

◦ **getCoordinate**

public com.feke.kamisado.Coordinate getCoordinate()

Gets the coordinate of this position.

Returns:

The coordinate of this position.

◦ **getEvaluation**

public int getEvaluation()

Evaluates the position to determine its value for decision-making in gameplay.

Returns:

The evaluation score of this position.

◦ **isEndOfGame**

public boolean isEndOfGame()

Checks if this position is a game-ending position for a piece.

Returns:

True if the piece is in a game-ending position, false otherwise.

◦ **getPossiblePositions**

public [ArrayList](#)<[Position](#)> getPossiblePositions()

Gets all possible positions that can be reached from the current position.

Returns:

A list of possible positions from this position.

◦ **getValidMovements**

public [ArrayList](#)<com.feke.kamisado.Coordinate> getValidMovements(com.feke.kamisado.Coordinate coord)

Gets all valid movements from the given coordinate.

Parameters:

`coord` - The coordinate of the piece.

Returns:

A list of coordinates representing valid movements.



[Skip navigation links](#)

- [Package](#)
- [Class](#)
- [Tree](#)
- [Index](#)
- [Help](#)
- Summary:
 - [Nested](#)
 - [Field](#)
 - [Constr](#)
 - [Method](#)
- Detail:
 - [Field](#)
 - [Constr](#)
 - [Method](#)
- Summary:
 - [Nested](#) |
 - [Field](#) |
 - [Constr](#) |
 - [Method](#)
- Detail:
 - [Field](#) |
 - [Constr](#) |
 - [Method](#)

SEARCH

Package [com.feke.kamisado](#)

Class View

[java.lang.Object](#)

[java.awt.Component](#)

[java.awt.Container](#)

[java.awt.Window](#)

[java.awt.Frame](#)

[javax.swing.JFrame](#)

[com.feke.kamisado.View](#)

All Implemented Interfaces:

[ImageObserver](#), [MenuContainer](#), [Serializable](#), [Accessible](#), [RootPaneContainer](#), [WindowConstants](#)

public class View extends [JFrame](#)

See Also:

- [Serialized Form](#)

• Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.[JFrame](#)

[JFrame.AccessibleJFrame](#)

Nested classes/interfaces inherited from class java.awt.[Frame](#)

[Frame.AccessibleAWTFrame](#)

Nested classes/interfaces inherited from class java.awt.[Window](#)

[Window.AccessibleAWTWindow](#), [Window.Type](#)

Nested classes/interfaces inherited from class java.awt.[Container](#)

[Container.AccessibleAWTContainer](#)

Nested classes/interfaces inherited from class java.awt.[Component](#)

[Component.AccessibleAWTComponent](#), [Component.BaselineResizeBehavior](#), [Component.BltBufferStrategy](#), [Component.FlipBufferStrategy](#)

• Field Summary

Fields inherited from class javax.swing.[JFrame](#)

[accessibleContext](#), [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 java.awt.image.[ImageObserver](#)

[ABORT](#), [ALLBITS](#), [ERROR](#), [FRAMEBITS](#), [HEIGHT](#), [PROPERTIES](#), [SOMEBITS](#), [WIDTH](#)

Fields inherited from interface javax.swing.[WindowConstants](#)

[DISPOSE_ON_CLOSE](#), [DO_NOTHING_ON_CLOSE](#), [EXIT_ON_CLOSE](#), [HIDE_ON_CLOSE](#)

• Method Summary

All Methods	Instance Methods	Concrete Methods
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Modifier and Type

Method

Description

void

[dispose\(\)](#)

void

[renderGame](#)(com.feke.kamisado.Tile[][] tiles)

void

[renderGameOptions](#)(boolean isBotPlaying)

void

[renderMenu](#)()

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](#)

Methods inherited from class [java.awt.Window](#)

[addPropertyChangeListener](#), [addPropertyChangeListener](#), [addWindowFocusListener](#), [addWindowListener](#), [addWindowStateListener](#), [applyResourceBundle](#), [applyResourceBundle](#), [createBufferStrategy](#), [createBufferStrategy](#), [getBackground](#), [getBufferStrategy](#), [getFocusableWindowState](#), [getFocusCycleRootAncestor](#), [getFocusOwner](#), [getFocusTraversalKeys](#), [setIconImages](#), [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](#), [addHierarchyBoundsListener](#), [addHierarchyListener](#), [addInputMethodListener](#), [addKeyListener](#), [addMouseListener](#), [addMouseMotionListener](#), [addMouseWheelListener](#), [bounds](#), [checkImage](#), [checkImage](#), [coalesceEvents](#), [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](#), [getLocation](#), [getLocationOnScreen](#), [getMouseListeners](#), [getMouseMotionListeners](#), [getMousePosition](#), [getMouseWheelListeners](#), [getName](#), [getParent](#), [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](#), [requestFocus](#), [requestFocus](#), [requestFocusInWindow](#),

[requestFocusInWindow](#), [requestFocusInWindow](#), [resize](#), [resize](#), [revalidate](#), [setComponentOrientation](#), [setDropTarget](#), [setEnabled](#), [setFocusable](#), [setFocusTraversalKeysEnabled](#), [setForeground](#), [setIgnoreRepaint](#), [setLocale](#), [setMaximumSize](#), [setMixingCutoutShape](#), [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](#)

• Method Details

◦ **dispose**

```
public void dispose()
```

Overrides:

[dispose](#) in class [Window](#)

◦ **renderGame**

```
public void renderGame(com.feke.kamisado.Tile[][] tiles)
```

◦ **renderMenu**

```
public void renderMenu()
```

◦ **renderGameOptions**

```
public void renderGameOptions(boolean isBotPlaying)
```