API Documentation

API Documentation

October 28, 2012

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1.2 Variables

Name	Description
___package___	**Value:** `None`

2 Package lotto.dialog

2.1 Modules

- **show_drawing**: Das Programm hat die Creative Commons by-sa Lizenz http://creativecommons.org/licenses/by-sa/3.0/deed.de
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2.2 Variables

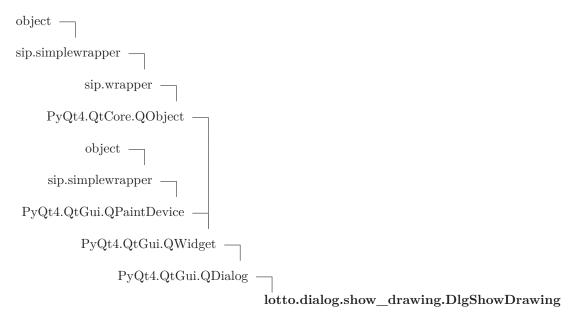| Name	Description
___package___	**Value:** `None`

3   Module lotto.dialog.show_drawing

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3.1   Variables

Name	Description
___package___	**Value:** `'lotto.dialog'`

3.2   Class DlgShowDrawing

object ┐
    sip.simplewrapper ┐
        sip.wrapper ┐
           PyQt4.QtCore.QObject ┐
        object ┐
      sip.simplewrapper ┐
    PyQt4.QtGui.QPaintDevice ┐
        PyQt4.QtGui.QWidget ┐
           PyQt4.QtGui.QDialog ┐
                lotto.dialog.show_drawing.DlgShowDrawing

Show the numbers in a dialog box

3.2.1 Methods

___init___(*self*, *draw_number*, *highest_number*)

x.___init___(...) initializes x; see help(type(x)) for signature

Parameters
    draw_number: the number of draw

                              (type=tuple of int)

    highest_number: the number of the PushButtons

                              (type=int)

Return Value
    none

Overrides: object.___init___

Inherited from PyQt4.QtGui.QDialog

accept(), accepted(), closeEvent(), contextMenuEvent(), done(), eventFilter(), exec_(), extension(), finished(), isSizeGripEnabled(), keyPressEvent(), minimumSizeHint(), open(), orientation(), reject(), rejected(), resizeEvent(), result(), setExtension(), setModal(), setOrientation(), setResult(), setSizeGripEnabled(), setVisible(), showEvent(), showExtension(), sizeHint()

Inherited from PyQt4.QtGui.QWidget

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), enabledChange(), ensurePolished(), enterEvent(), event(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontChange(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), handle(), hasFocus(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), inputContext(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isEnabledToTLW(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isTopLevel(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyReleaseEvent(), keyboardGrabber(), languageChange(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(), mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maximumHeight(), maximumSize(), maximumWidth(), metric(), minimumHeight(),

minimumSize(), minimumWidth(), mouseDoubleClickEvent(), mouseGrabber(), mouse-
MoveEvent(), mousePressEvent(), mouseReleaseEvent(), move(), moveEvent(), na-
tiveParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(),
overrideWindowState(), paintEngine(), paintEvent(), palette(), paletteChange(),
parentWidget(), pos(), previousInFocusChain(), raise_(), rect(), releaseKeyboard(),
releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), resetInput-
Context(), resize(), restoreGeometry(), saveGeometry(), scroll(), setAcceptDrops(),
setAccessibleDescription(), setAccessibleName(), setAttribute(), setAutoFillBack-
ground(), setBackgroundRole(), setBaseSize(), setContentsMargins(), setContextMenuPol-
icy(), setCursor(), setDisabled(), setEnabled(), setFixedHeight(), setFixedSize(),
setFixedWidth(), setFocus(), setFocusPolicy(), setFocusProxy(), setFont(), set-
ForegroundRole(), setGeometry(), setGraphicsEffect(), setHidden(), setInputCon-
text(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), set-
Mask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMin-
imumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), set-
Palette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setShown(),
setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), set-
TabOrder(), setToolTip(), setUpdatesEnabled(), setWhatsThis(), setWindowFilePath(),
setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(),
setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(),
setWindowTitle(), show(), showFullScreen(), showMaximized(), showMinimized(),
showNormal(), size(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(),
styleSheet(), tabletEvent(), testAttribute(), toolTip(), topLevelWidget(), under-
Mouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(),
update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRe-
gion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowActivation-
Change(), windowFilePath(), windowFlags(), windowIcon(), windowIconText(),
windowModality(), windowOpacity(), windowRole(), windowState(), windowTi-
tle(), windowType(), x(), x11Info(), x11PictureHandle(), y()

Inherited from *PyQt4.QtCore.QObject*

__getattr__(), blockSignals(), childEvent(), children(), connect(), connectNo-
tify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(),
dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), emit(), findChild(),
findChildren(), inherits(), installEventFilter(), isWidgetType(), killTimer(), metaOb-
ject(), moveToThread(), objectName(), parent(), property(), pyqtConfigure(), re-
ceivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(),
setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr(), trUtf8()

Inherited from *PyQt4.QtGui.QPaintDevice*

colorCount(), depth(), heightMM(), logicalDpiX(), logicalDpiY(), numColors(),
paintingActive(), physicalDpiX(), physicalDpiY(), widthMM()

Inherited from *sip.simplewrapper*

___new___()

Inherited from object

___delattr___(), ___format___(), ___getattribute___(), ___hash___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(), ___sizeof___(), ___str___(), ___sub-classhook___()

3.2.2 Properties

Name	Description
Inherited from object	
___class___	

3.2.3 Class Variables

Name	Description
Inherited from PyQt4.QtGui.QDialog	
Accepted, Rejected	
Inherited from PyQt4.QtGui.QWidget	
DrawChildren, DrawWindowBackground, IgnoreMask	
Inherited from PyQt4.QtCore.QObject	
staticMetaObject	
Inherited from PyQt4.QtGui.QPaintDevice	
PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM	

4 Module lotto.lotto

4.1 Variables

Name	Description
___package___	**Value:** `'lotto'`

4.2 Class Ui_MainWindow

object —┐
       lotto.lotto.Ui_MainWindow

Known Subclasses: lotto.lotto_gui1.MeinDialog

4.2.1 Methods

retranslateUi(*self, MainWindow*)

setupUi(*self, MainWindow*)

Inherited from object

     ___delattr___(), ___format___(), ___getattribute___(), ___hash___(), ___init___(),
     ___new___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(),
     ___sizeof___(), ___str___(), ___subclasshook___()

4.2.2 Properties

Name	Description
Inherited from object ___class___	

5   Module lotto.lotto_gui1

The signals for the GUI

5.1   Functions

gui()
open the GUI

5.2   Variables

Name	Description
___doc___	**Value:** `"The signals for the GUI"`
___package___	**Value:** `'lotto'`

5.3   Class MeinDialog

object ─┐

sip.simplewrapper ─┐

        sip.wrapper ─┐

      PyQt4.QtCore.QObject ─┐

         object ─┐

    sip.simplewrapper ─┐

PyQt4.QtGui.QPaintDevice ─┐

      PyQt4.QtGui.QWidget ─┐

    PyQt4.QtGui.QMainWindow ─┐

        object ─┐

  lotto.lotto.Ui_MainWindow ─┐

                  lotto.lotto_gui1.MeinDialog

the GUI

5.3.1   Methods

__init__(*self*)

x.__init__(...) initializes x; see help(type(x)) for signature

Overrides: object.__init__ extit(inherited documentation)

---

ontimer(*self*)

start time to show a number

NaechsteZahl(*self*)

Display the draw

---

onbtn_start(*self*)

start simultion with the first drawing init timer with the valve from the
Scrollbar the next drawing starts with the timer event

---

actionLottosim(*self*)

Changing the layout for simulation or generation Move the textedit and
change the visible

---

onZufallsgenerator(*self*)

Show the output from the random number generator

---

onAusgfeldLeeren(*self*)

clear the TextEdit

---

onInfo(*self*)

Infoscreen

Inherited from *PyQt4.QtGui.QMainWindow*

addDockWidget(), addToolBar(), addToolBarBreak(), centralWidget(), contextMenuEvent(),
corner(), createPopupMenu(), dockOptions(), dockWidgetArea(), documentMode(),
event(), iconSize(), iconSizeChanged(), insertToolBar(), insertToolBarBreak(), isAn-
imated(), isDockNestingEnabled(), isSeparator(), menuBar(), menuWidget(), re-
moveDockWidget(), removeToolBar(), removeToolBarBreak(), restoreDockWidget(),
restoreState(), saveState(), setAnimated(), setCentralWidget(), setCorner(), set-
DockNestingEnabled(), setDockOptions(), setDocumentMode(), setIconSize(), set-
MenuBar(), setMenuWidget(), setStatusBar(), setTabPosition(), setTabShape(),
setToolButtonStyle(), setUnifiedTitleAndToolBarOnMac(), splitDockWidget(), sta-
tusBar(), tabPosition(), tabShape(), tabifiedDockWidgets(), tabifyDockWidget(),
toolBarArea(), toolBarBreak(), toolButtonStyle(), toolButtonStyleChanged(), uni-
fiedTitleAndToolBarOnMac()

Inherited from *PyQt4.QtGui.QWidget*

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(),
activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(),
backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), children-
Region(), clearFocus(), clearMask(), close(), closeEvent(), contentsMargins(), con-
tentsRect(), contextMenuPolicy(), create(), cursor(), customContextMenuRequested(),
destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(),
effectiveWinId(), enabledChange(), ensurePolished(), enterEvent(), find(), focusIn-
Event(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(),
focusPreviousChild(), focusProxy(), focusWidget(), font(), fontChange(), fontInfo(),

fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), get-ContentsMargins(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), handle(), hasFocus(), hasMouseTrack-ing(), height(), heightForWidth(), hide(), hideEvent(), inputContext(), inputMeth-odEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertAc-tions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isEnabled-ToTLW(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isTopLevel(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyPressEvent(), keyReleaseEvent(), keyboardGrabber(), lan-guageChange(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(), mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maximumHeight(), maximumSize(), maximumWidth(), metric(), mini-mumHeight(), minimumSize(), minimumSizeHint(), minimumWidth(), mouseDou-bleClickEvent(), mouseGrabber(), mouseMoveEvent(), mousePressEvent(), mouseRe-leaseEvent(), move(), moveEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), paletteChange(), parentWidget(), pos(), previousInFo-cusChain(), raise_(), rect(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), resetInputContext(), resize(), resizeEvent(), restoreGeometry(), saveGeometry(), scroll(), setAcceptDrops(), setAccessibleDescrip-tion(), setAccessibleName(), setAttribute(), setAutoFillBackground(), setBackground-Role(), setBaseSize(), setContentsMargins(), setContextMenuPolicy(), setCursor(), setDisabled(), setEnabled(), setFixedHeight(), setFixedSize(), setFixedWidth(), setFocus(), setFocusPolicy(), setFocusProxy(), setFont(), setForegroundRole(), set-Geometry(), setGraphicsEffect(), setHidden(), setInputContext(), setInputMethod-Hints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcu-tAutoRepeat(), setShortcutEnabled(), setShown(), setSizeIncrement(), setSizePol-icy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), se-tUpdatesEnabled(), setVisible(), setWhatsThis(), setWindowFilePath(), setWin-dowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWin-dowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWin-dowTitle(), show(), showEvent(), showFullScreen(), showMaximized(), showMini-mized(), showNormal(), size(), sizeHint(), sizeIncrement(), sizePolicy(), stackUn-der(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), toolTip(), topLevelWidget(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayout-Direction(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), up-datesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), win-dow(), windowActivationChange(), windowFilePath(), windowFlags(), window-Icon(), windowIconText(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowType(), x(), x11Info(), x11PictureHandle(), y()

Inherited from PyQt4.QtCore.QObject

___getattr___(), blockSignals(), childEvent(), children(), connect(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), emit(), eventFilter(), findChild(), findChildren(), inherits(), installEventFilter(), isWidgetType(), killTimer(), metaObject(), moveToThread(), objectName(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr(), trUtf8()

Inherited from PyQt4.QtGui.QPaintDevice

colorCount(), depth(), heightMM(), logicalDpiX(), logicalDpiY(), numColors(), paintingActive(), physicalDpiX(), physicalDpiY(), widthMM()

Inherited from sip.simplewrapper

___new___()

Inherited from lotto.lotto.Ui_MainWindow(Section 4.2)

retranslateUi(), setupUi()

Inherited from object

___delattr___(), ___format___(), ___getattribute___(), ___hash___(), ___reduce___(), ___reduce_ex___(), ___repr___(), ___setattr___(), ___sizeof___(), ___str___(), ___subclasshook___()

5.3.2   Properties

Name	Description
Inherited from object	
___class___	

5.3.3   Class Variables

Name	Description
Inherited from PyQt4.QtGui.QMainWindow	
AllowNestedDocks, AllowTabbedDocks, AnimatedDocks, ForceTabbedDocks, VerticalTabs	
Inherited from PyQt4.QtGui.QWidget	
DrawChildren, DrawWindowBackground, IgnoreMask	
Inherited from PyQt4.QtCore.QObject	
staticMetaObject	

Name	Description
Inherited from PyQt4.QtGui.QPaintDevice	
PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM	

6   Module lotto.lottokugeln_rc

6.1   Functions

qInitResources()

qCleanupResources()

6.2   Variables

Name	Description
qt_resource_data	**Value:** '\x00\x01\x94\x94\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\.
qt_resource_name	**Value:** '\x00\x0e\x00\xc9\x8e\xe7\x00l\x00o\x00t\x00t\x00o\x00k\x.
qt_resource_struct	**Value:** '\x00\x00\x00\x00\x00\x02\x00\x00\x00\x01\x00\x00\x00\x01.
___package___	**Value:** 'lotto'

7 Module lotto.zufallszahl

Erzeugen einer Zufallszahl, mit Modultest beim direkten Aufruf

7.1 Functions

---

zufallszahlen(*anzahl, maxwert*)

Parameters

    `anzahl`:   Gibt die Anzahl der Ausgabewerte an.

            (type=int)

    `maxwert`: Gibt den höchsten Zahlenwert an

            (type=int)

Return Value

    Gibt Zufallszahlen zurueck.

```
>>> zufallszahlen(16, 15)
Traceback (most recent call last):
ValueError: sample larger than population
>>> zufallszahlen(16, -15)
Traceback (most recent call last):
ValueError: sample larger than population
>>> zufallszahlen(-16, 15)
Traceback (most recent call last):
ValueError: sample larger than population
>>> zufallszahlen(1, 1)
[1]
>>> zufallszahlen(1, 1.7)
Traceback (most recent call last):
TypeError: integer argument expected, got float
>>> sorted(zufallszahlen(3, 3))
[1, 2, 3]
```

7.2 Variables

Name	Description
___package___	**Value:** `'lotto'`

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