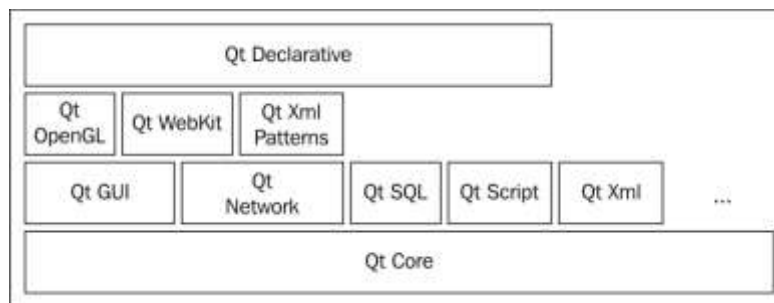
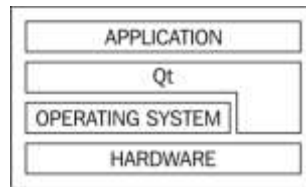
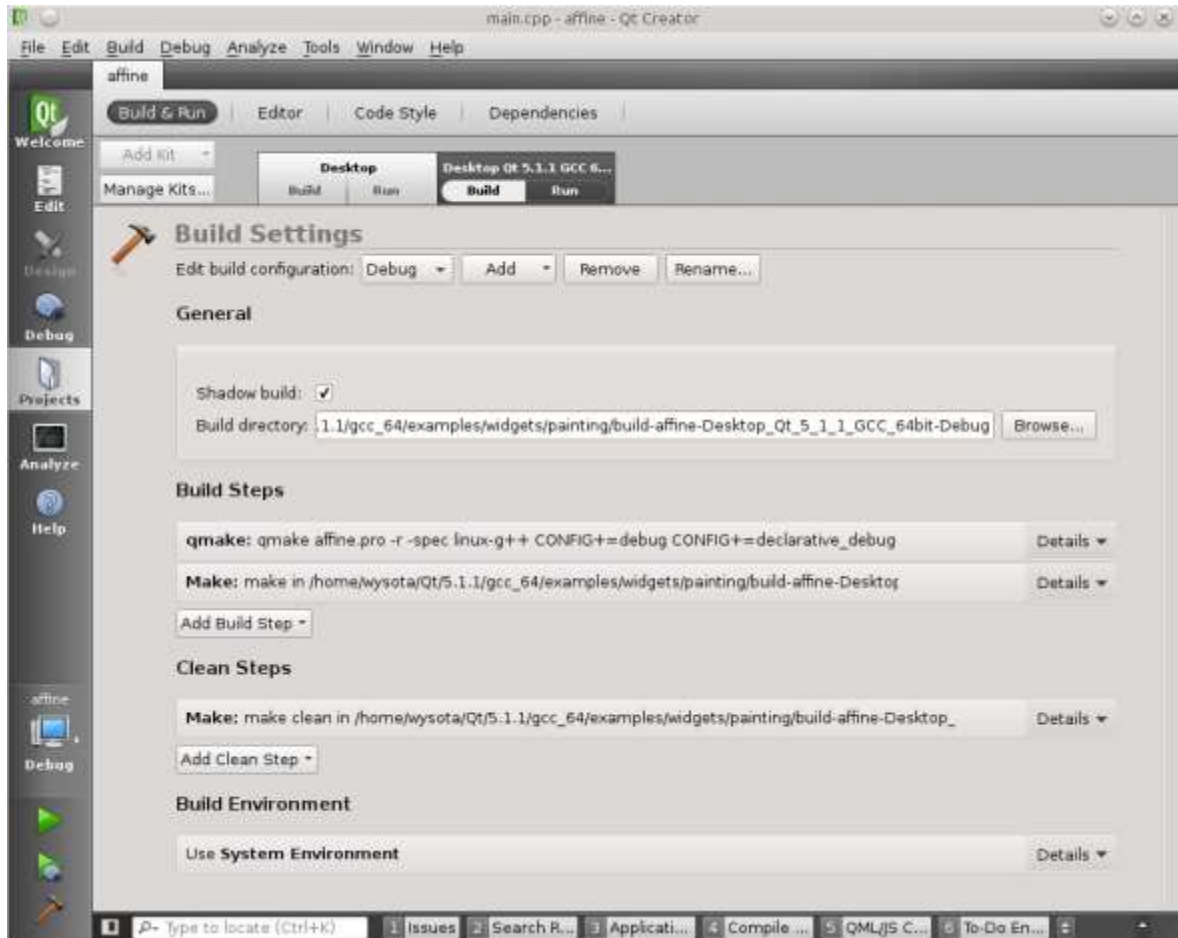
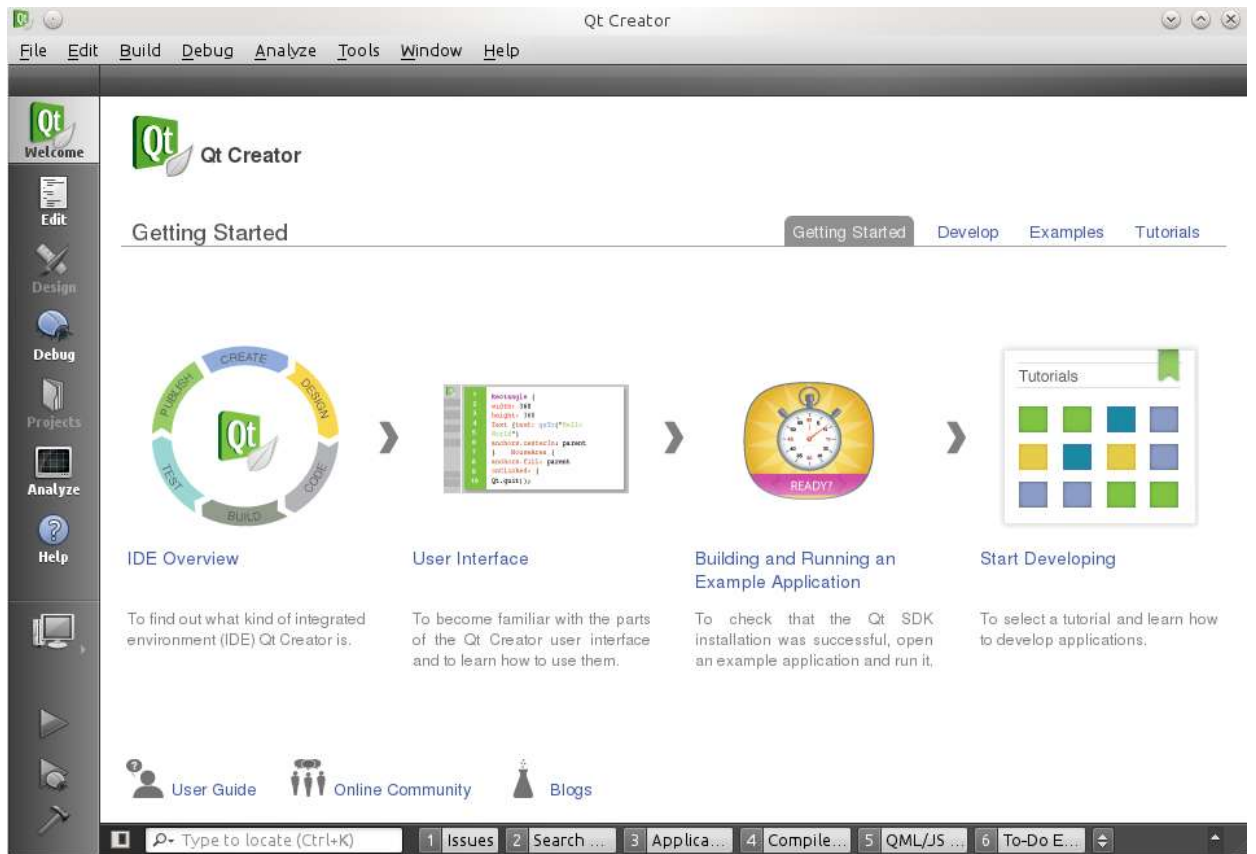


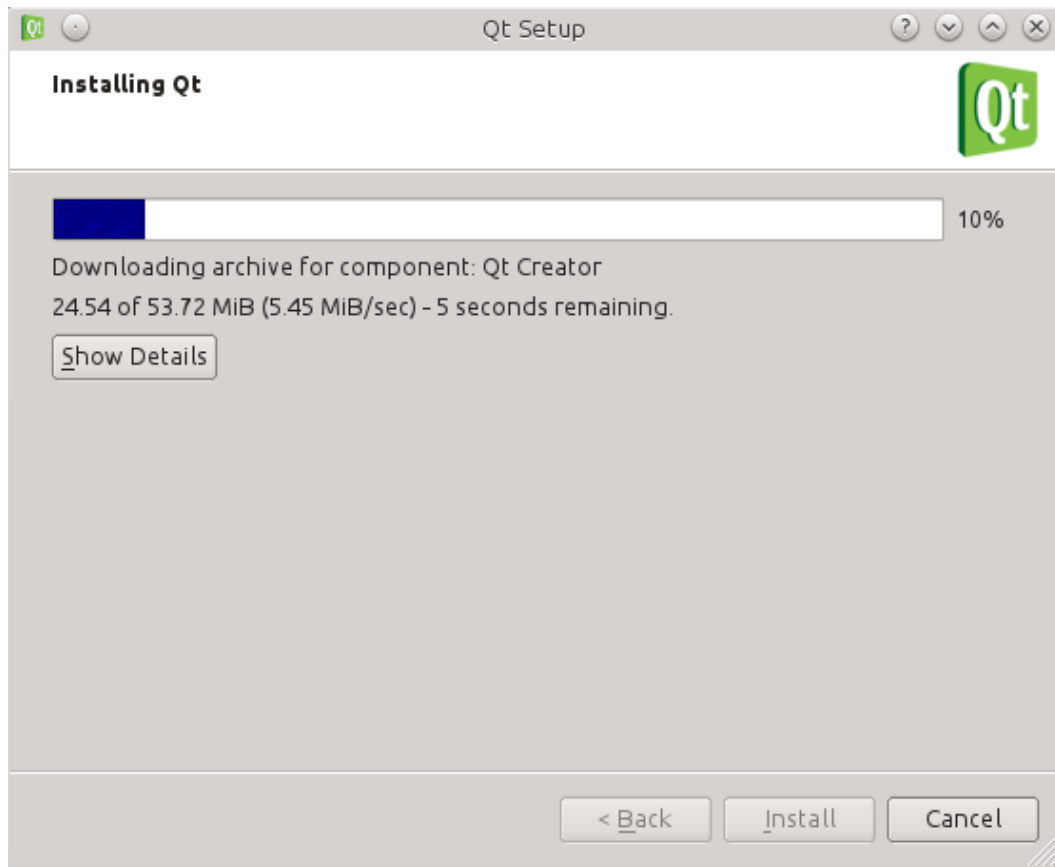
Chapter 1: Introduction to Qt

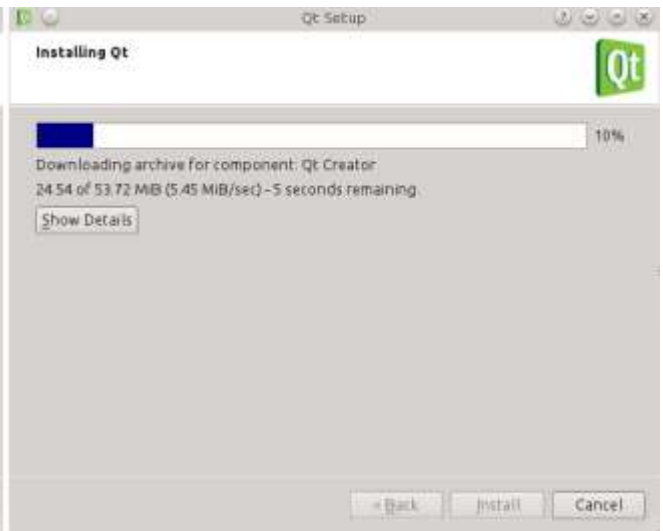


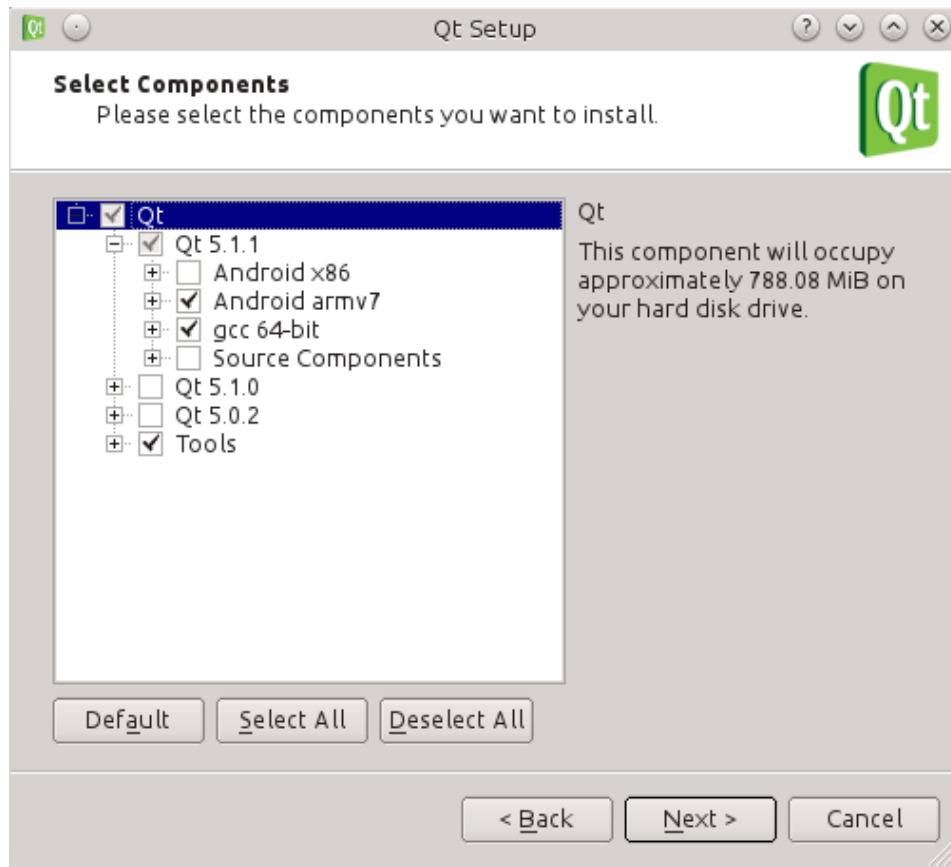
Chapter 2: Installation













Recommended

We detected your operating system as: **Linux**

Recommended download: **Qt Online Installer for Linux**

Before you begin your download, please make sure you:

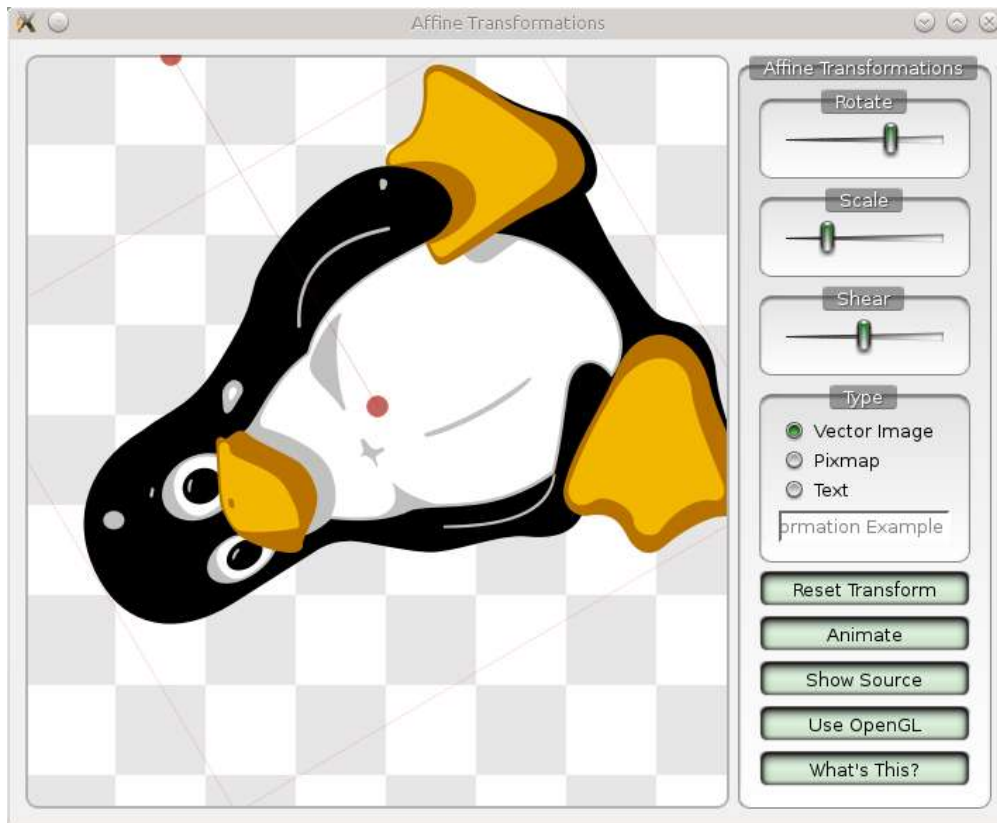
- › learn about the [obligations of the LGPL](#).
- › read the [FAQ](#) about developing with the LGPL.

Download Now

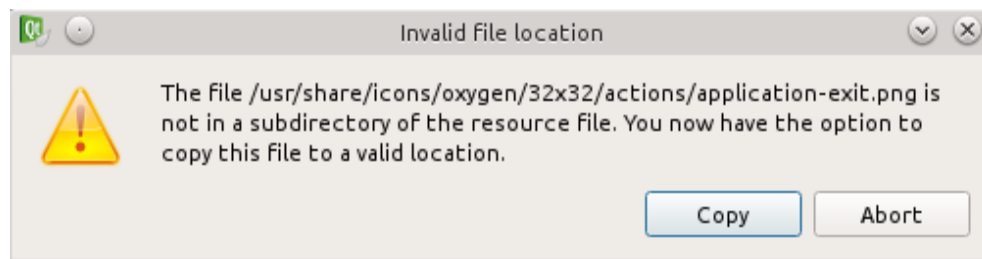
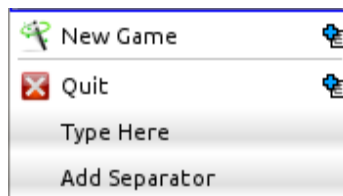
Qt online installer is a small executable which downloads content over internet based on your selections. It provides all Qt 5.x binary & source packages and latest Qt Creator.

For more information visit our [Developers page](#).

Not the download package you need? [View All Downloads](#)



Chapter 3: Qt GUI Programming



Qt New action

Text: Quit

Object name: actionQuit

ToolTip: Exit the program ...

Icon theme: ...

Icon: Normal Off ...

Checkable: ☐

Shortcut: Ctrl+Q ...

OK Cancel

Qt New action

Text: New Game

Object name: actionNewGame

ToolTip: Start new game ...

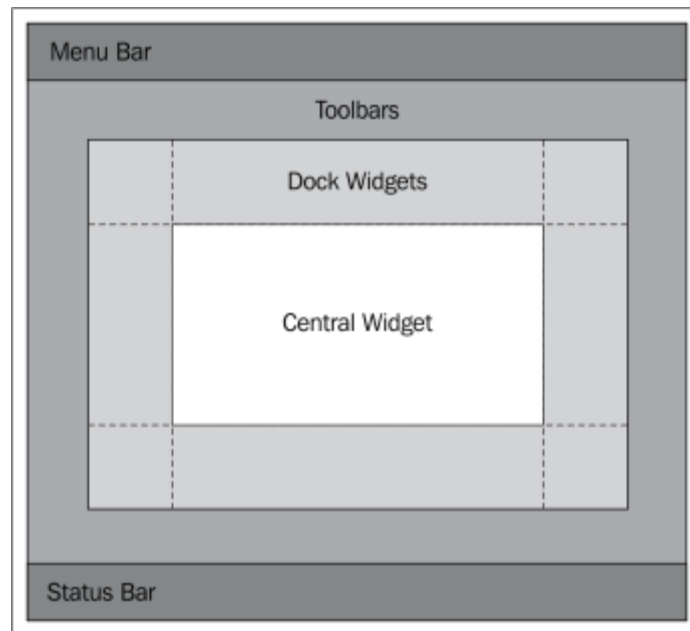
Icon theme: ...

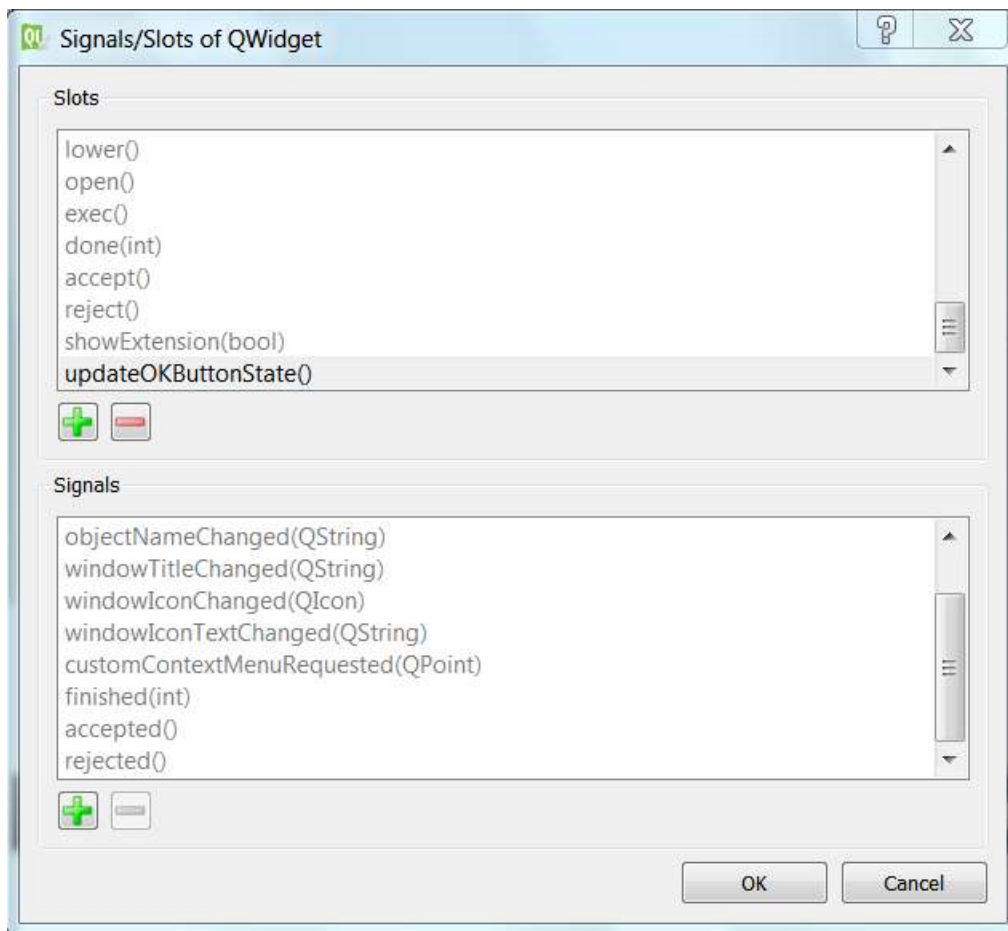
Icon: Normal Off ...

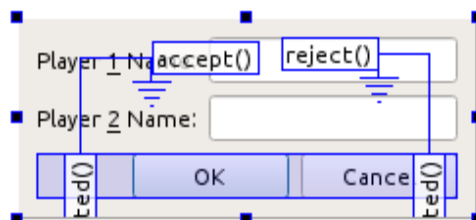
Checkable: ☐

Shortcut: Ctrl+N ...

OK Cancel







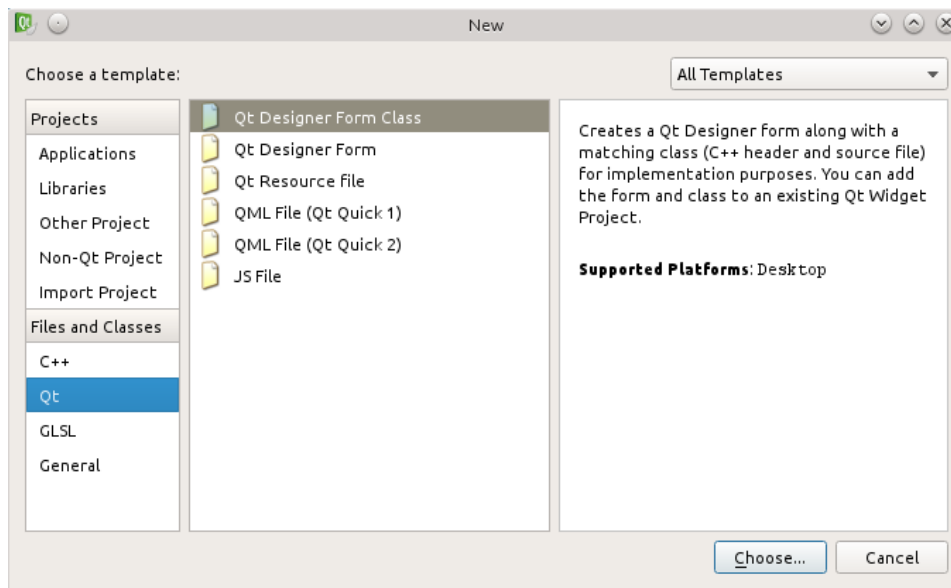
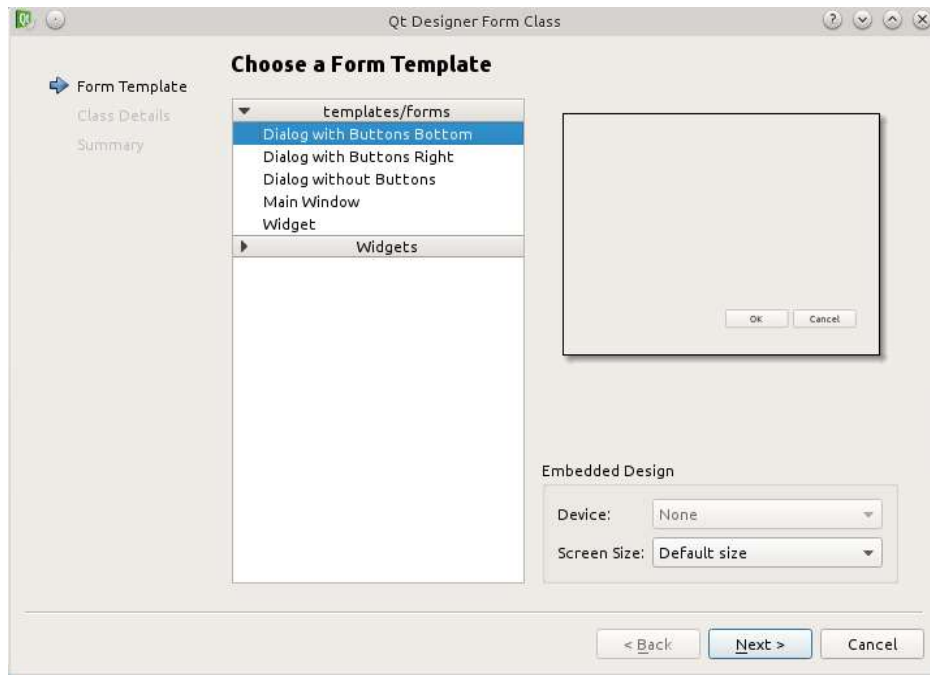
Player 1 Name:

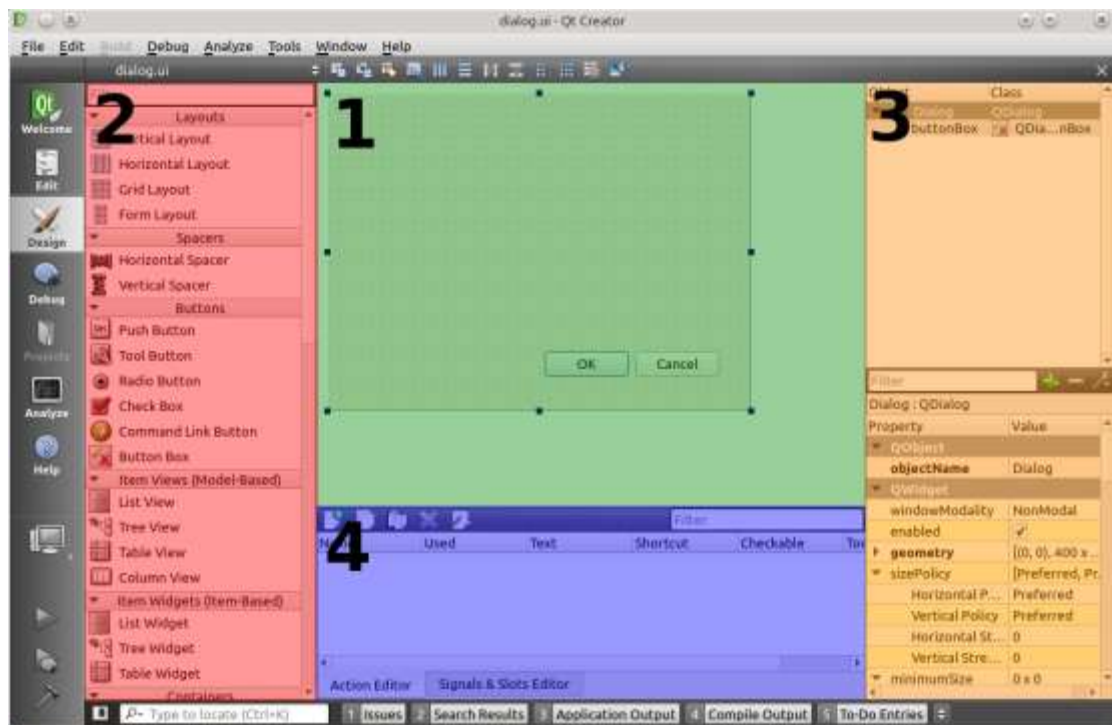
Player 2 Name:

Name:

Player 1 Name:

Player 2 Name:







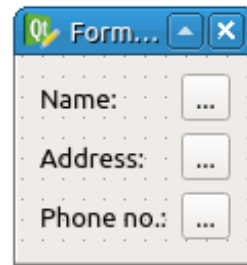
QHBoxLayout



QVBoxLayout



QGridLayout



QFormLayout

Qt Gui Application

Class Information

Specify basic information about the classes for which you want to generate skeleton source code files.

Location
Kits
Details
Summary

Class name:

Base class:

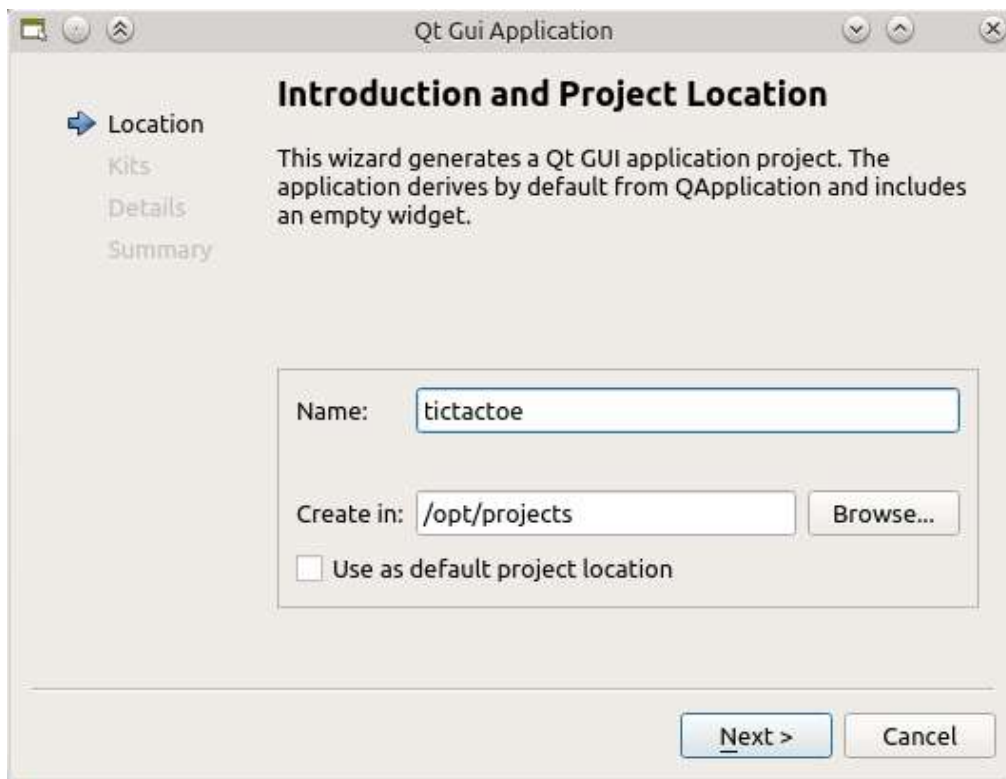
Hheader file:

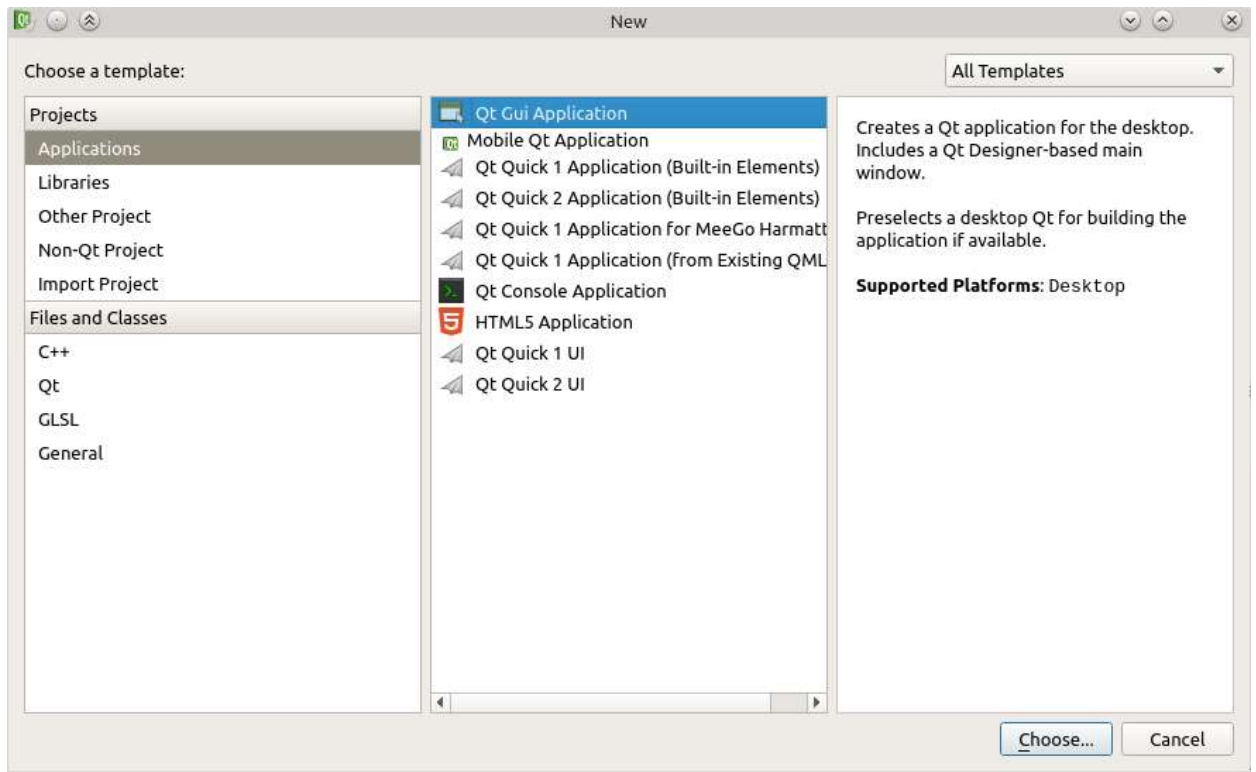
Source file:

Generate form: ☐

Form file:

< Back Next > Cancel





Promoted Widgets

Promoted Classes

Name	Header file	Global include	Usage
------	-------------	----------------	-------

New Promoted Class

Base class name:

QWidget

Add

Promoted class name:

TicTacToeWidget

Reset

Header file:

tictactoewidget.h

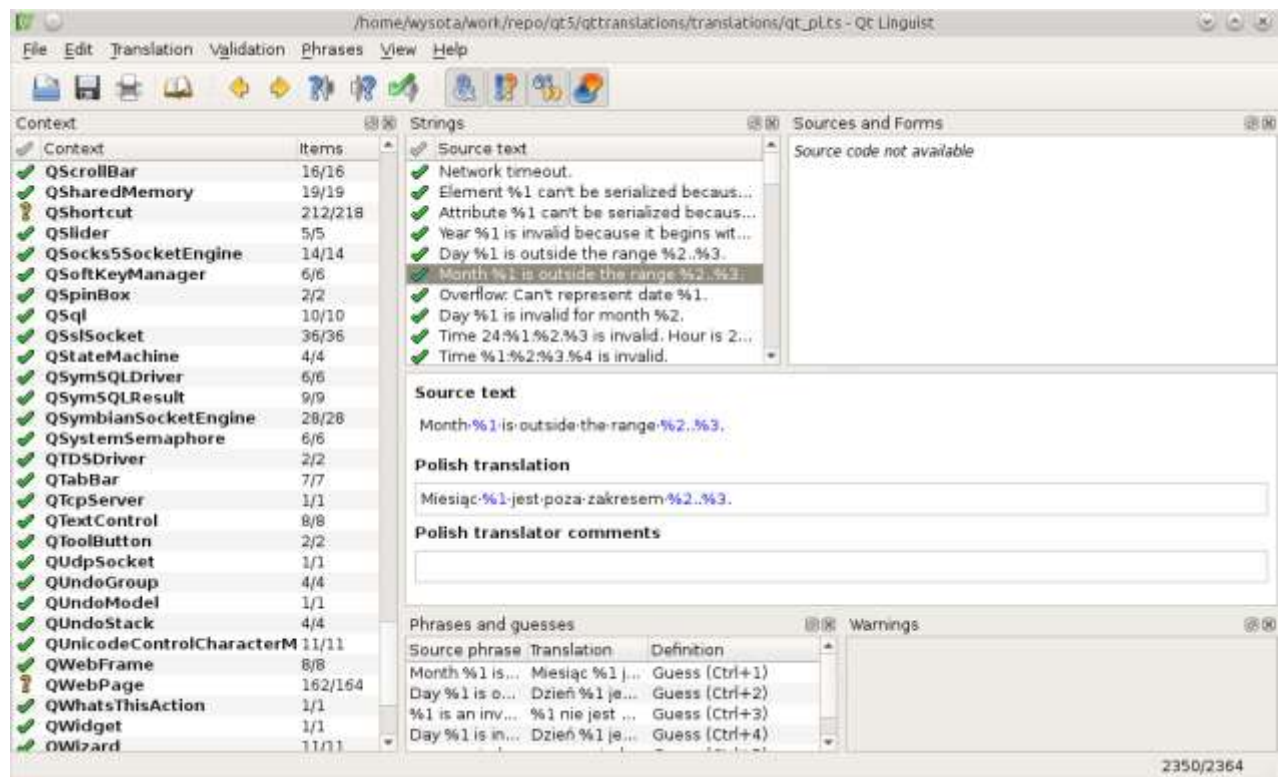
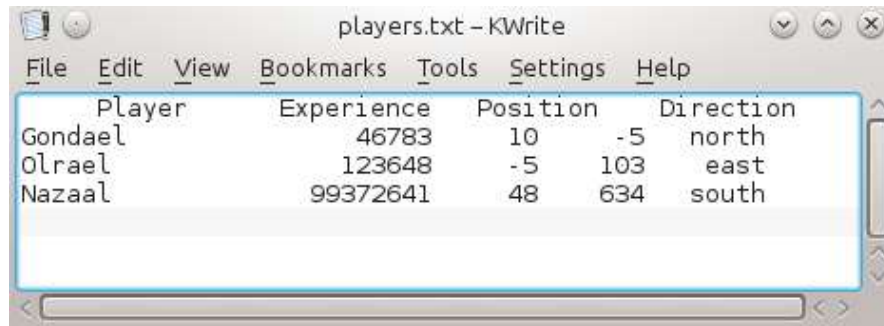
Global include

☐

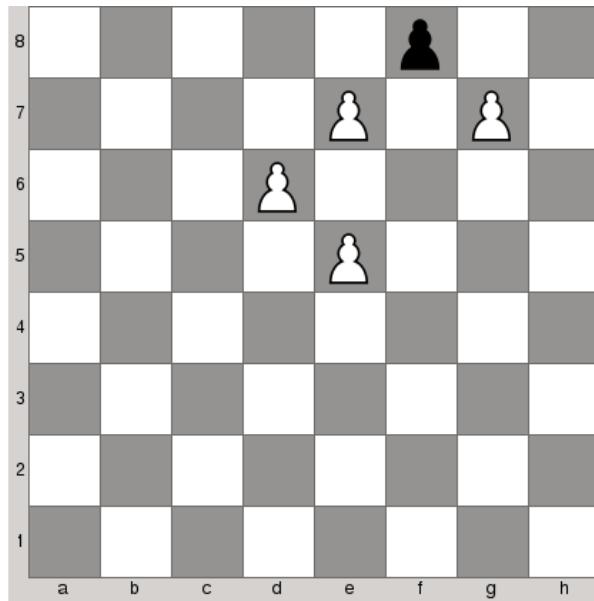
Promote

Close

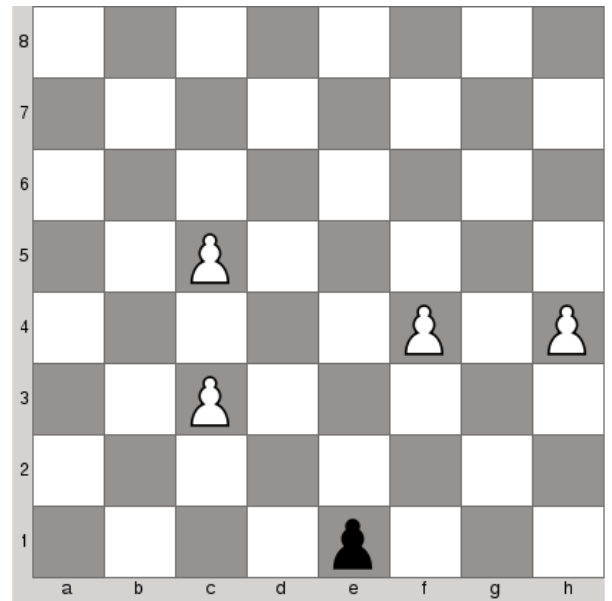
Chapter 4: Qt Core Essentials



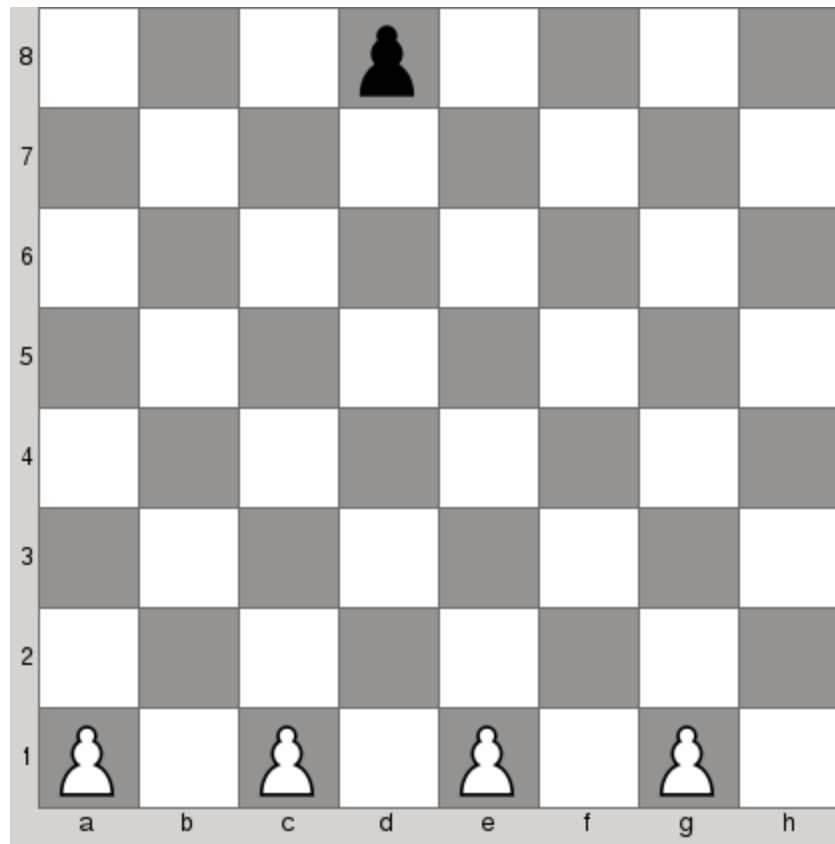
Chapter 5: Graphics with Qt

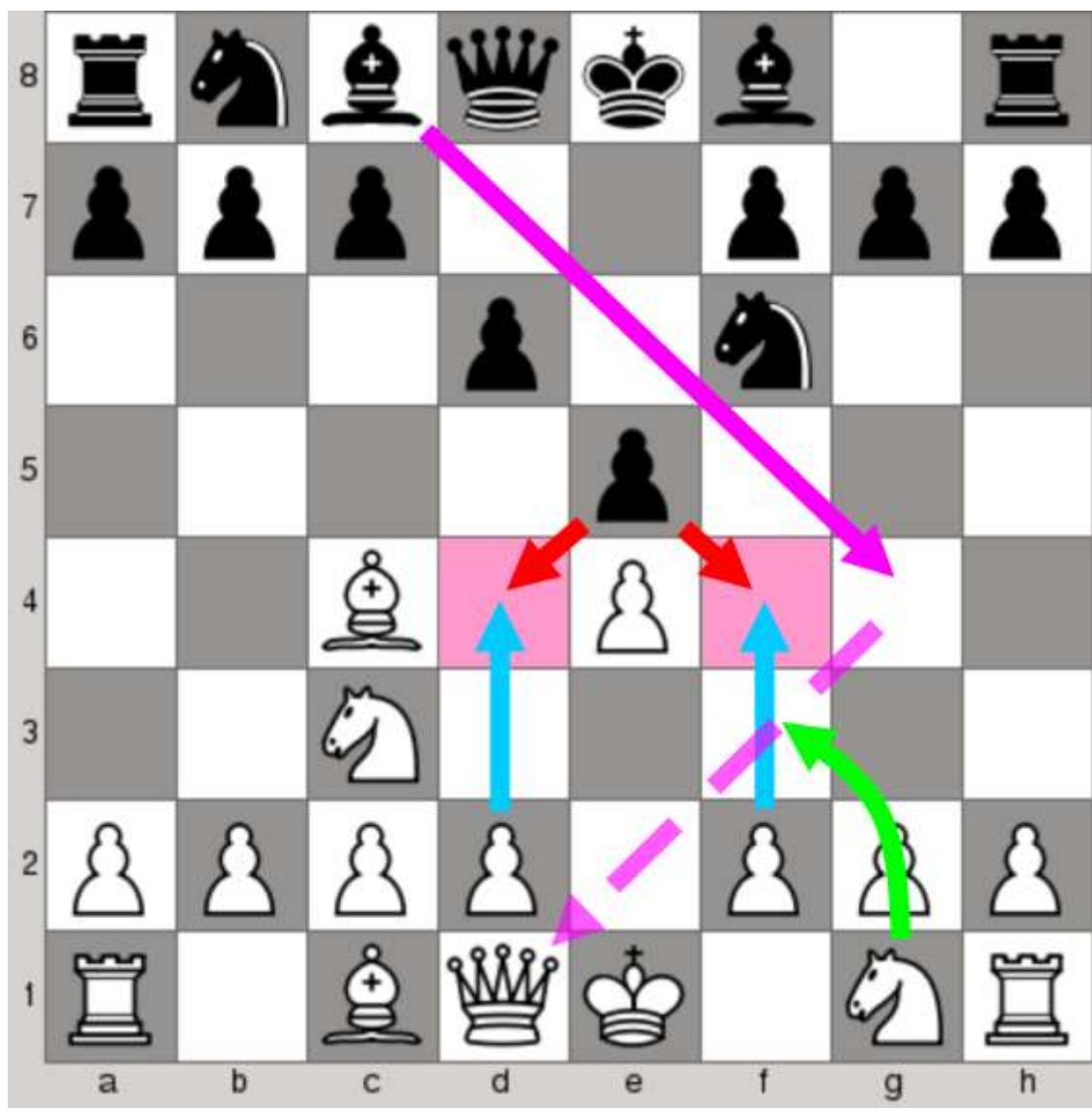


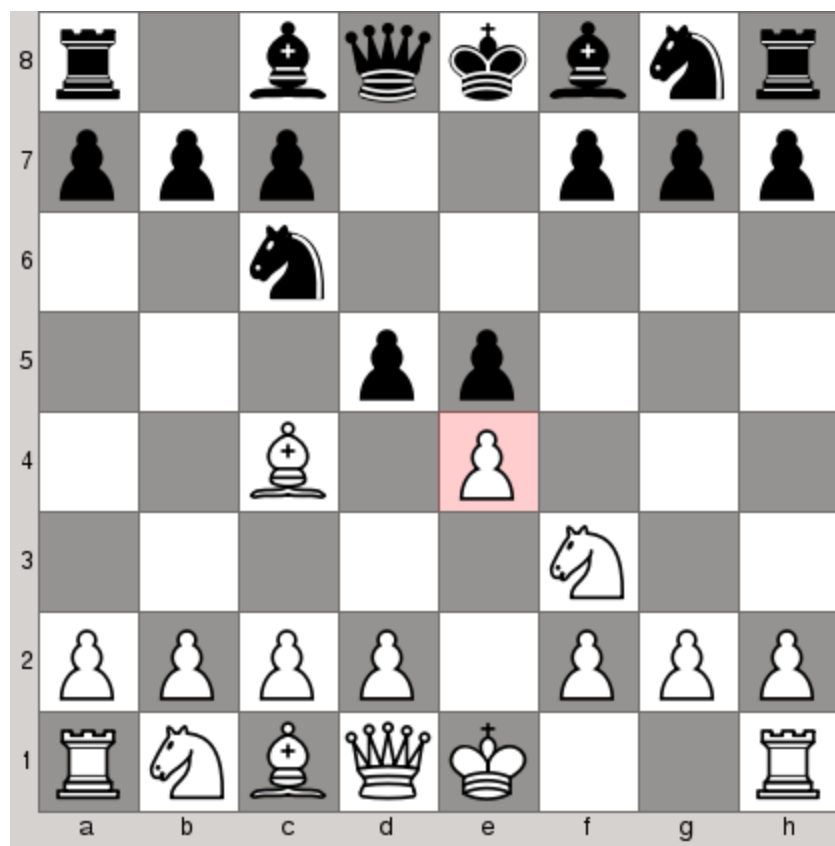
Fox loses

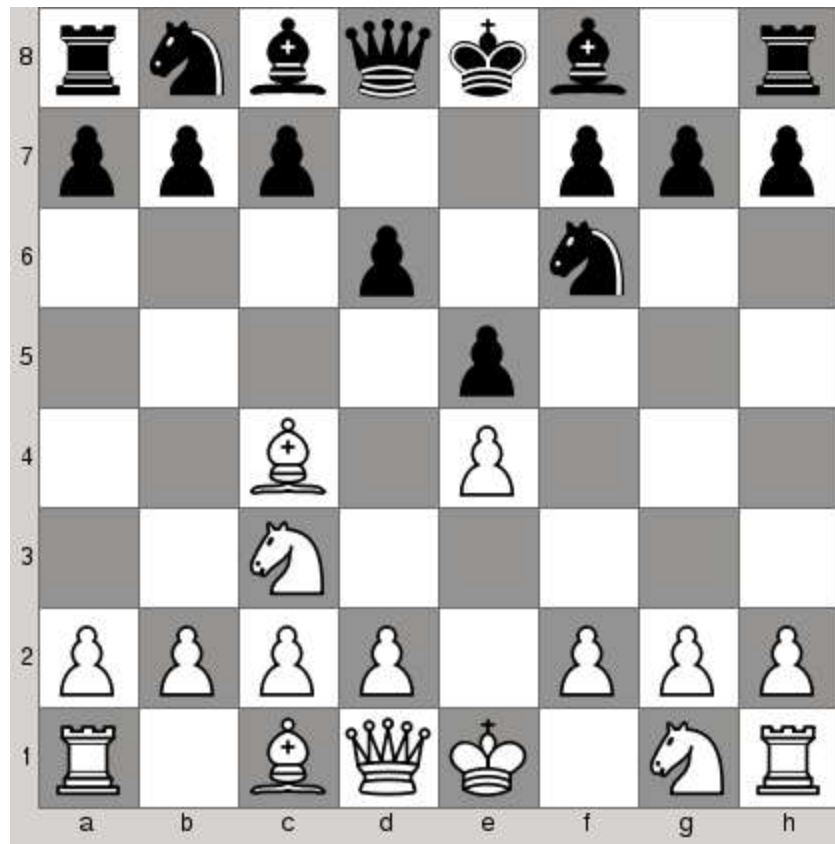


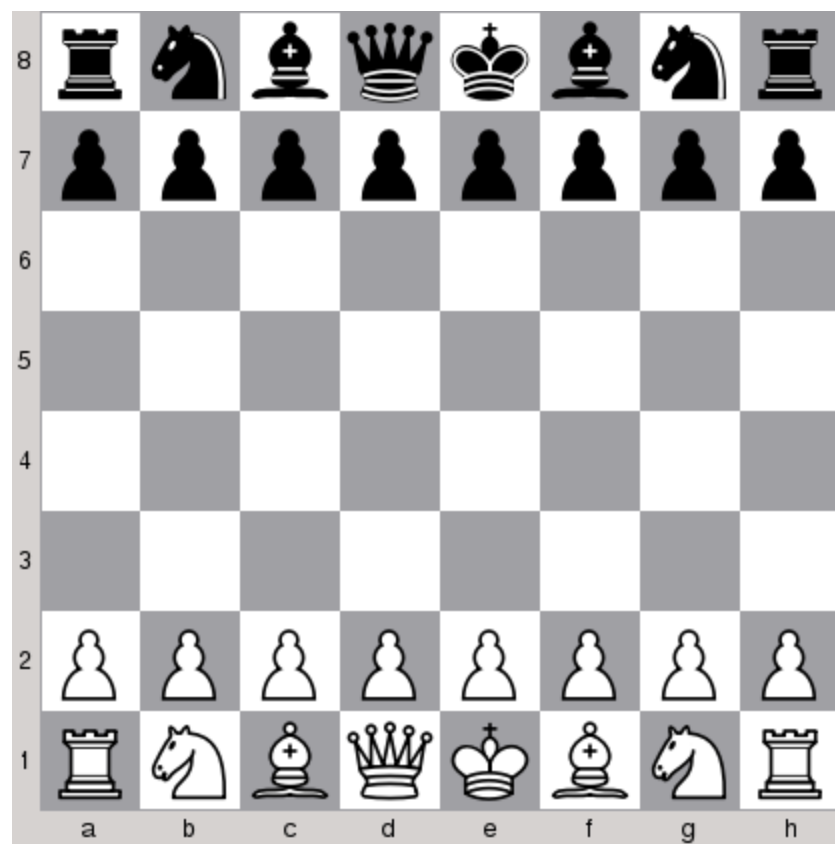
Fox wins

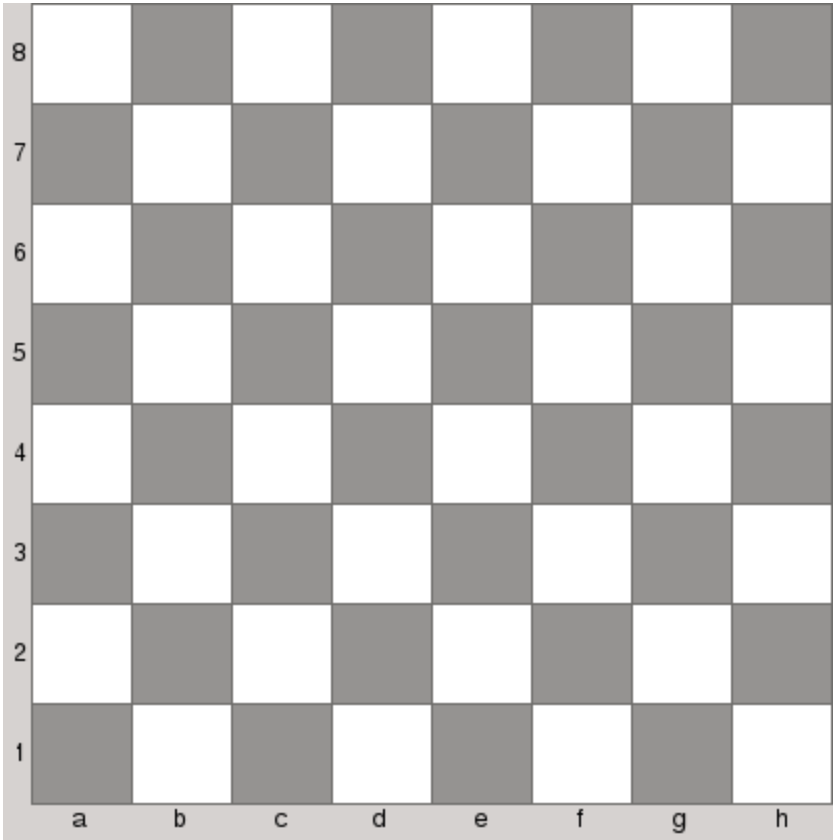


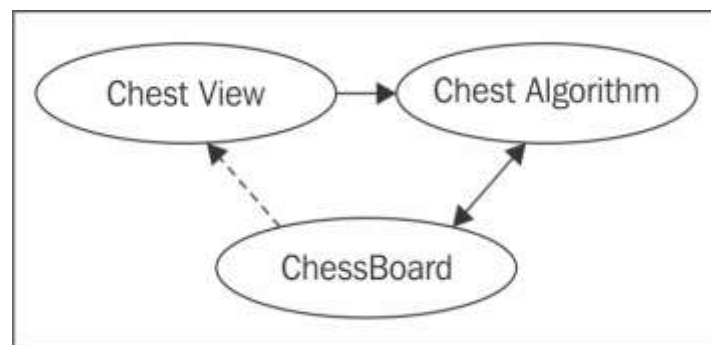
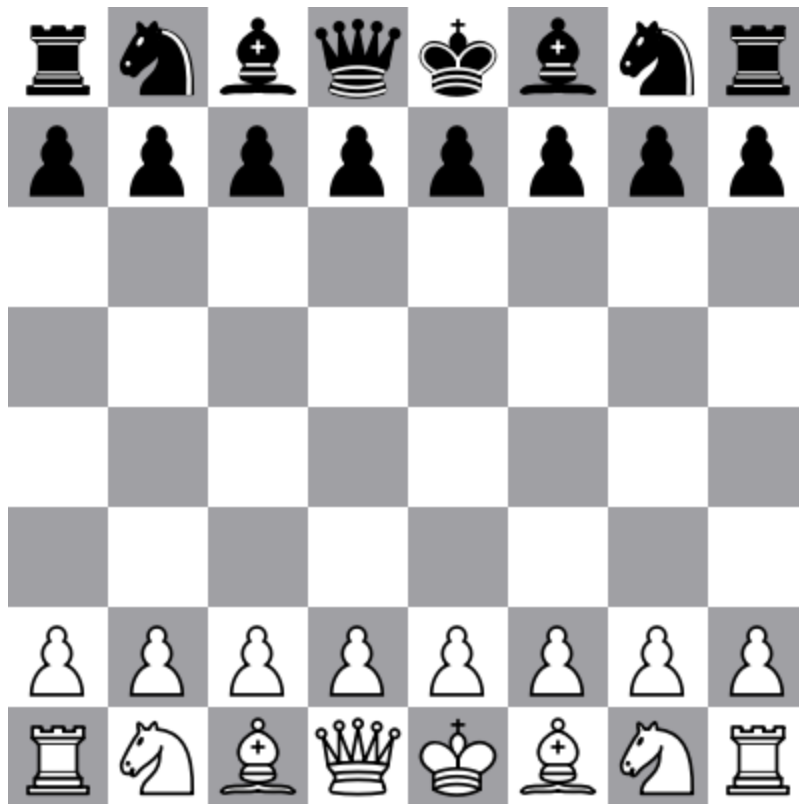


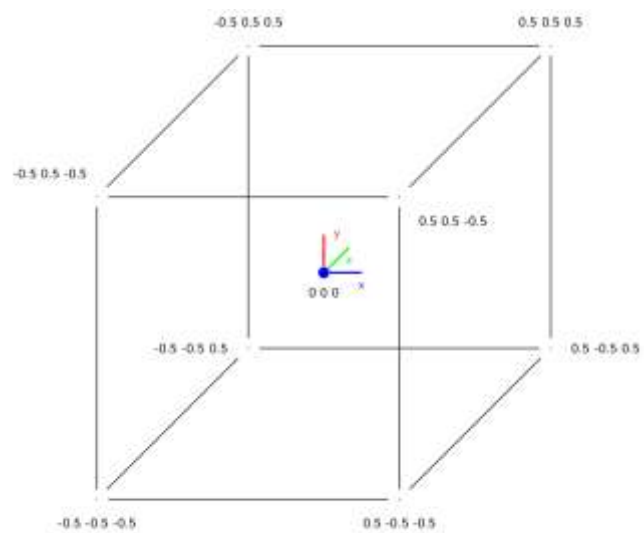


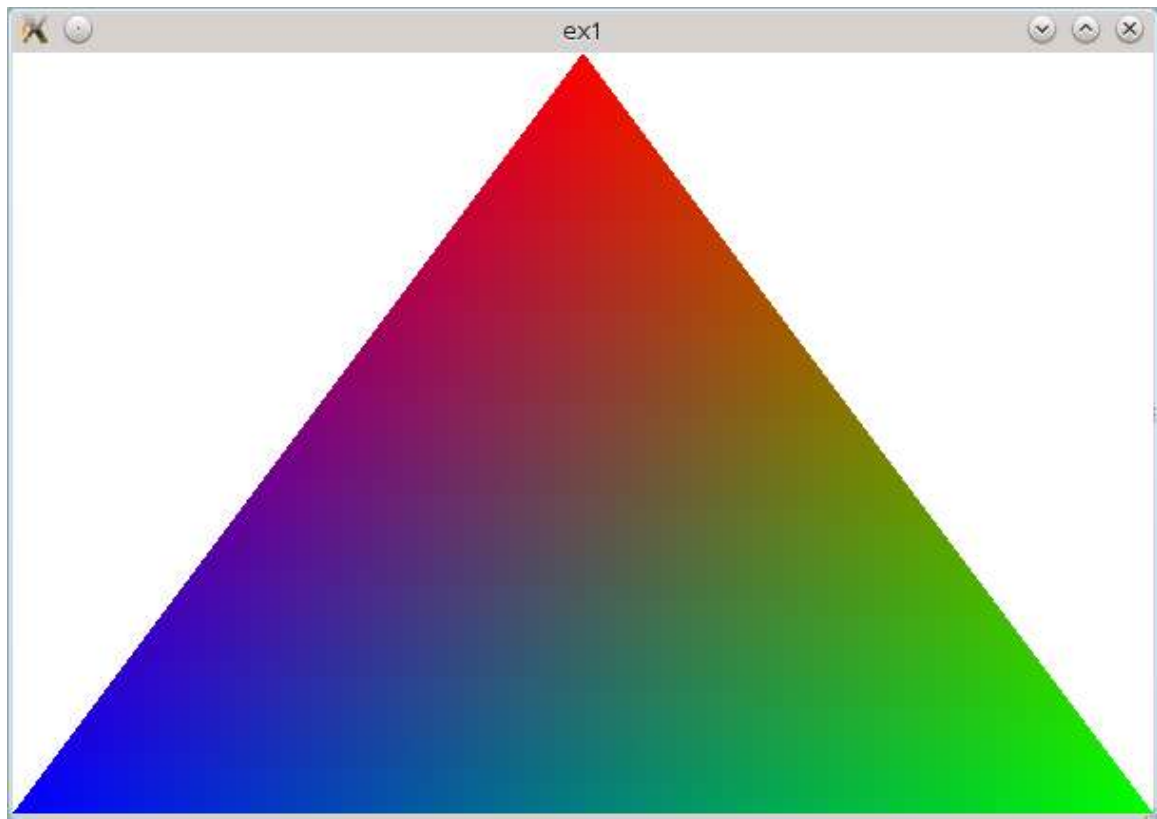












&ABC

Qt::AlignRight
Qt::AlignTop

&ABC

Qt::AlignHCenter
Qt::AlignVCenter

ABC

Qt::AlignLeft
Qt::TextShowMnemonic

ext wrapping m

Qt::AlignHCenter
Qt::AlignVCenter

Very long text
wrapping
multiple lines

Qt::AlignHCenter
Qt::AlignVCenter
Qt::TextWordWrap

Very long text
wrapping
multiple lines

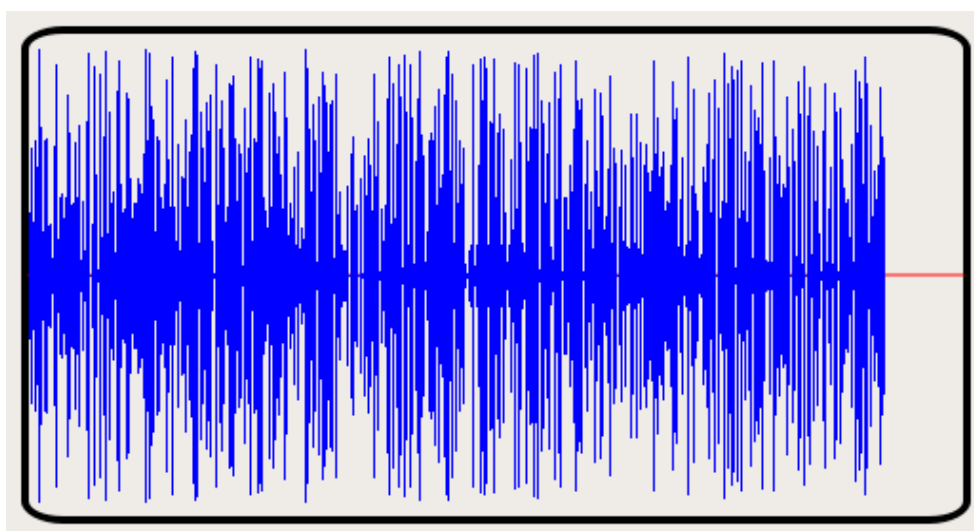
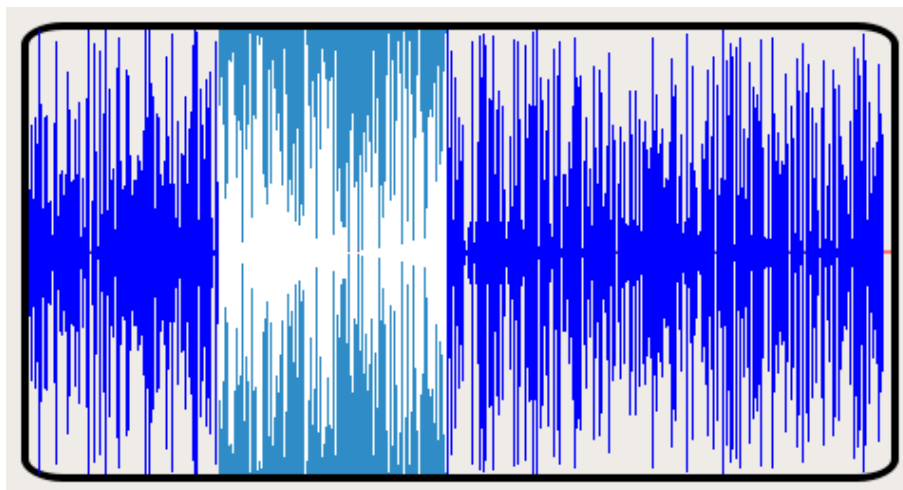
Qt::AlignJustify
Qt::TextWordWrap

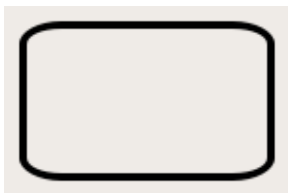
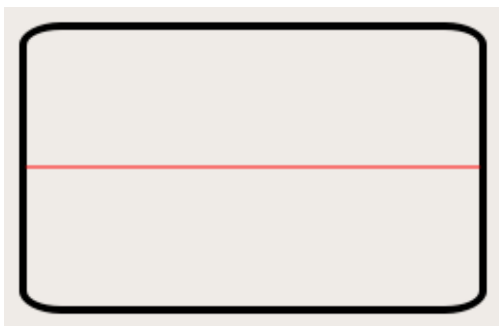
Very long text
wrapping
multiple lines
without clipping

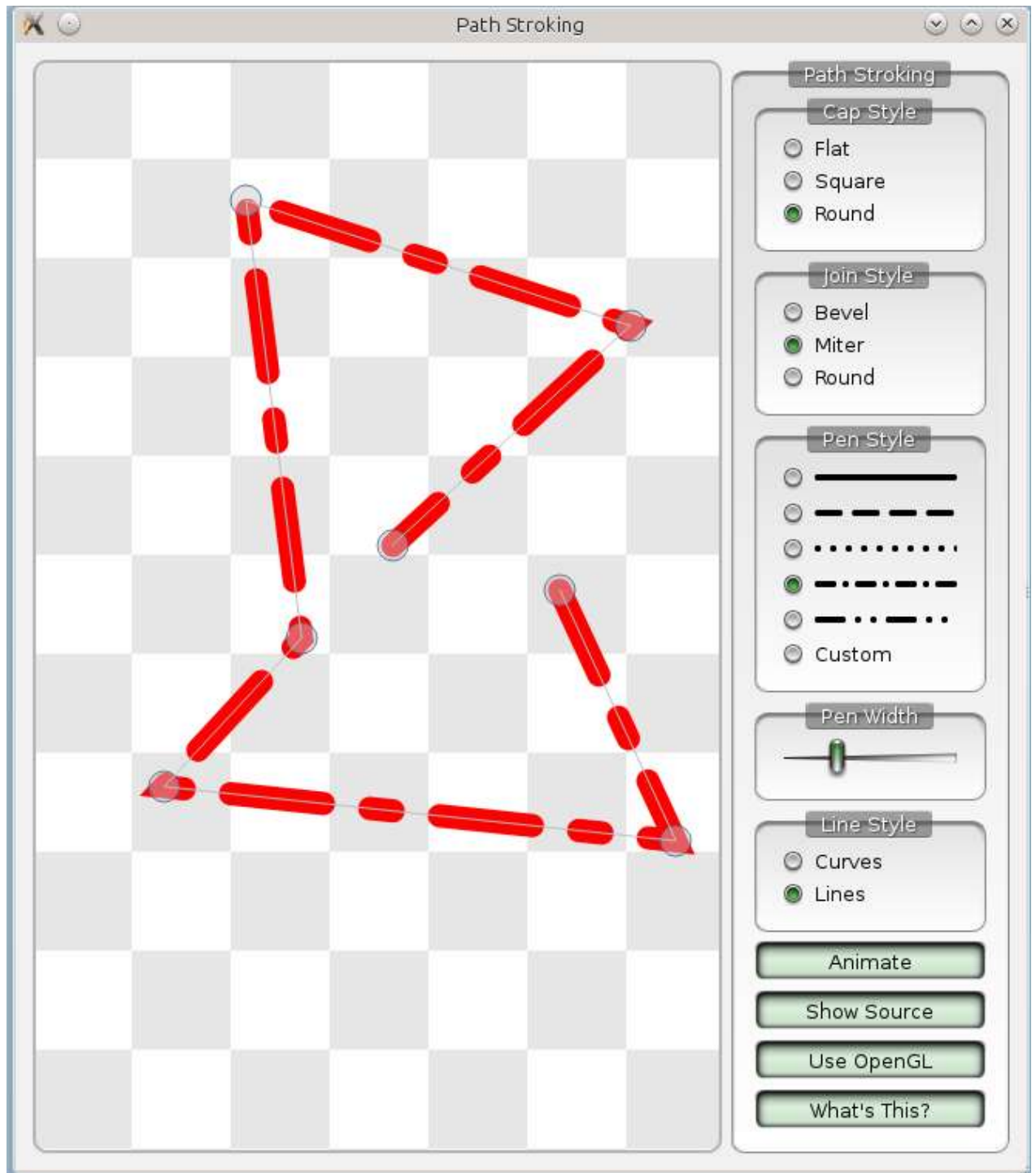
Qt::TextDontClip
Qt::TextWordWrap

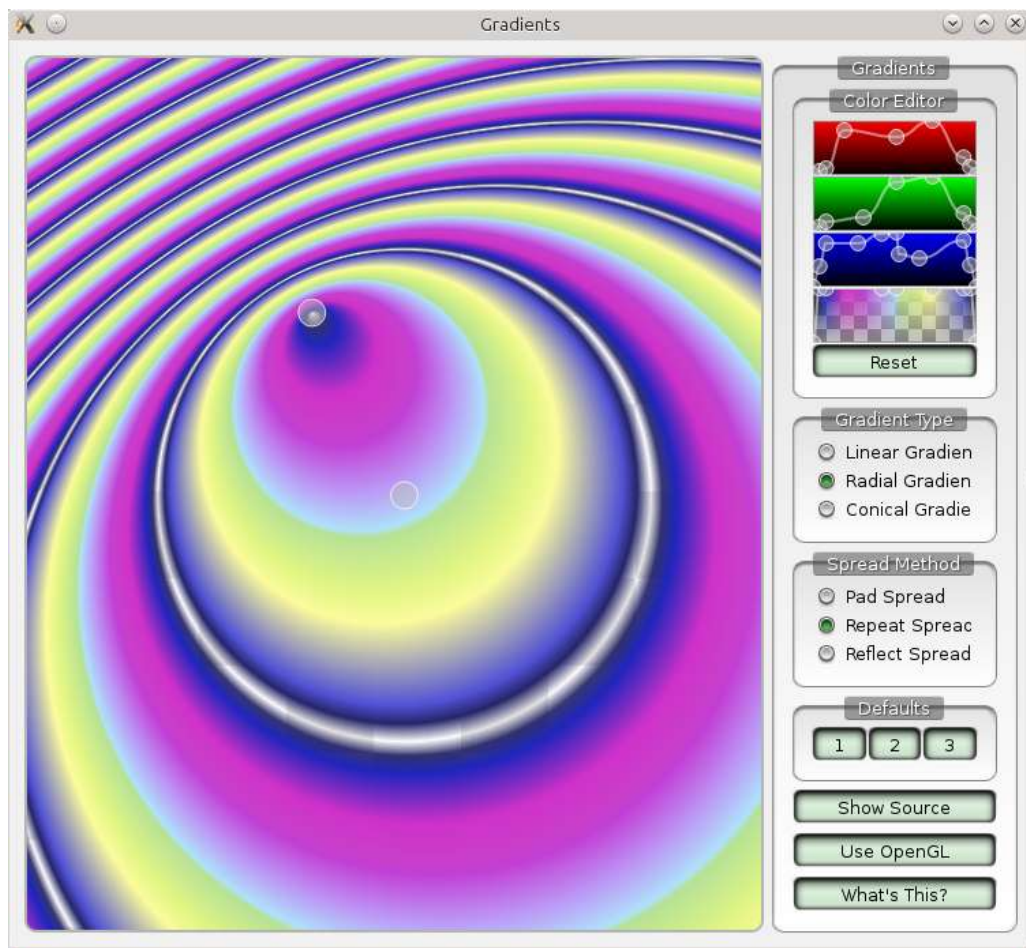
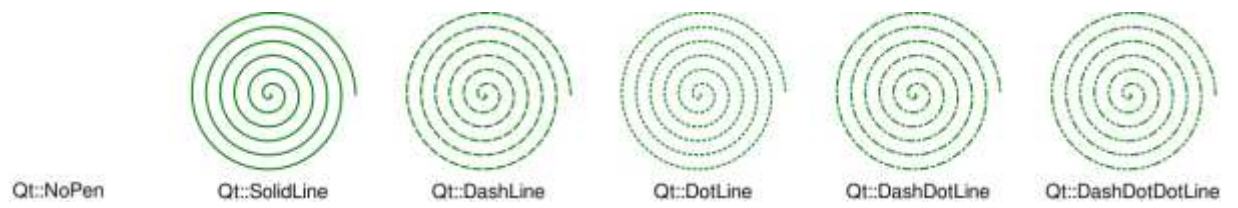
Multiline text as
single line with
word-wrapping

Qt::TextSingleLine
Qt::TextWordWrap



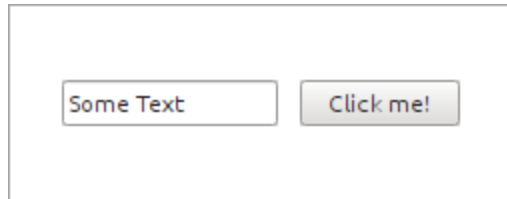


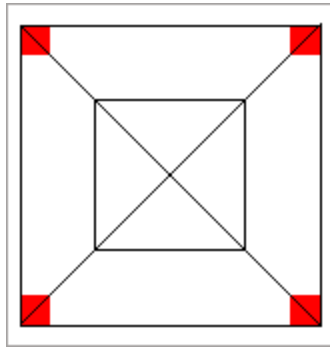


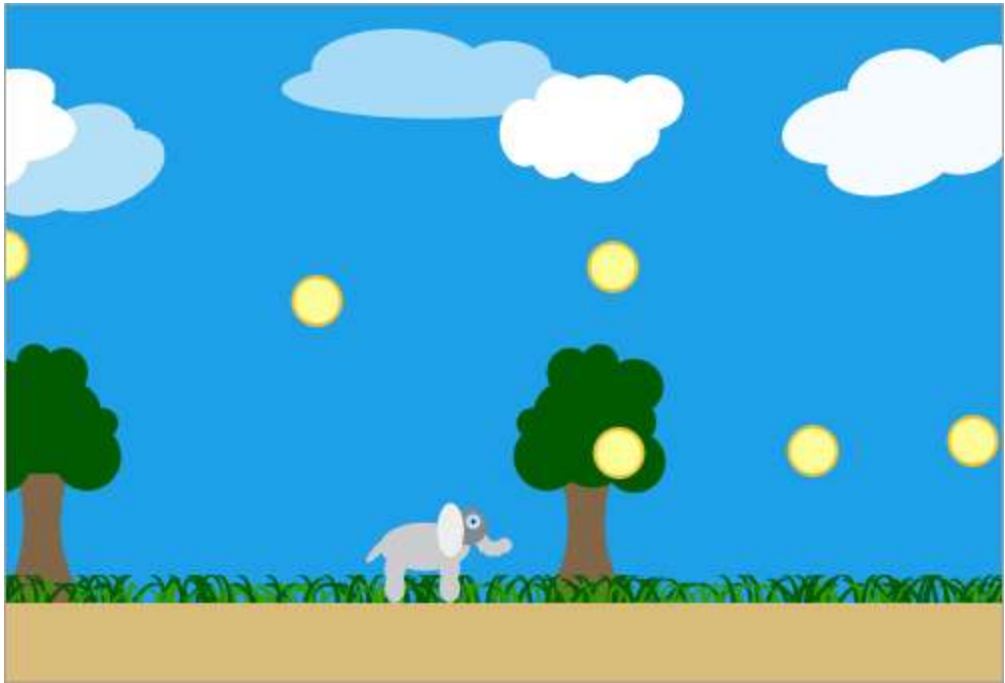
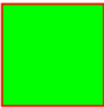


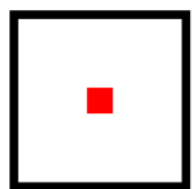


Chapter 6: Graphics View

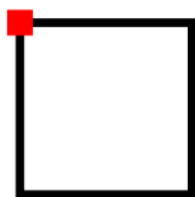




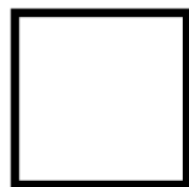
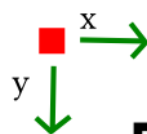




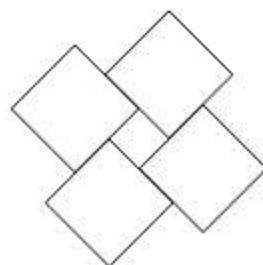
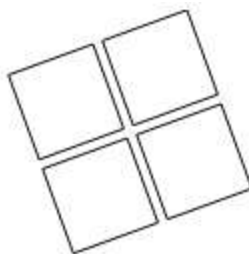
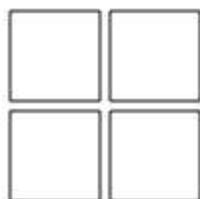
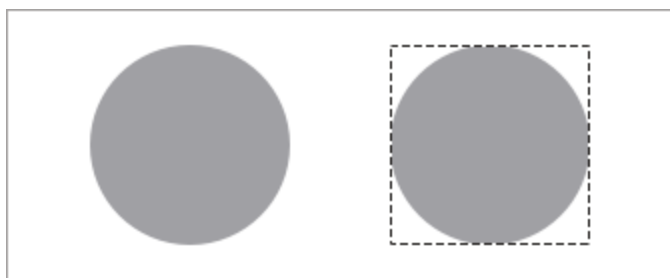
itemA

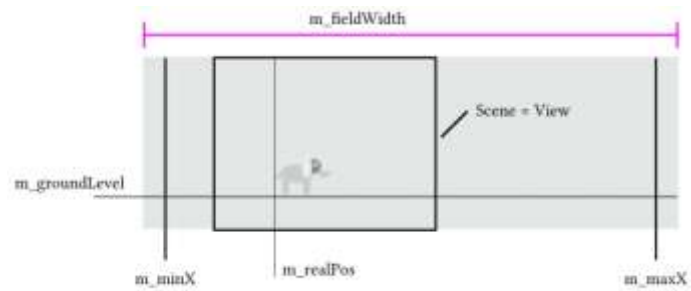
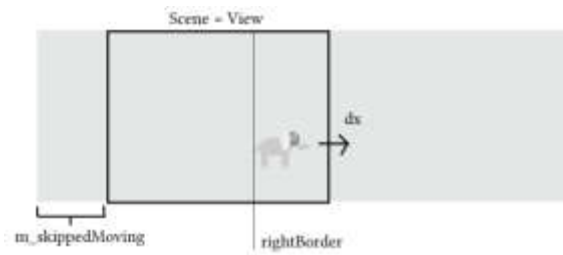
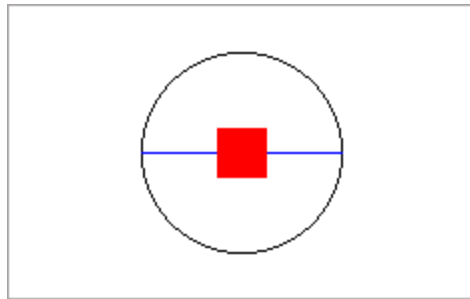


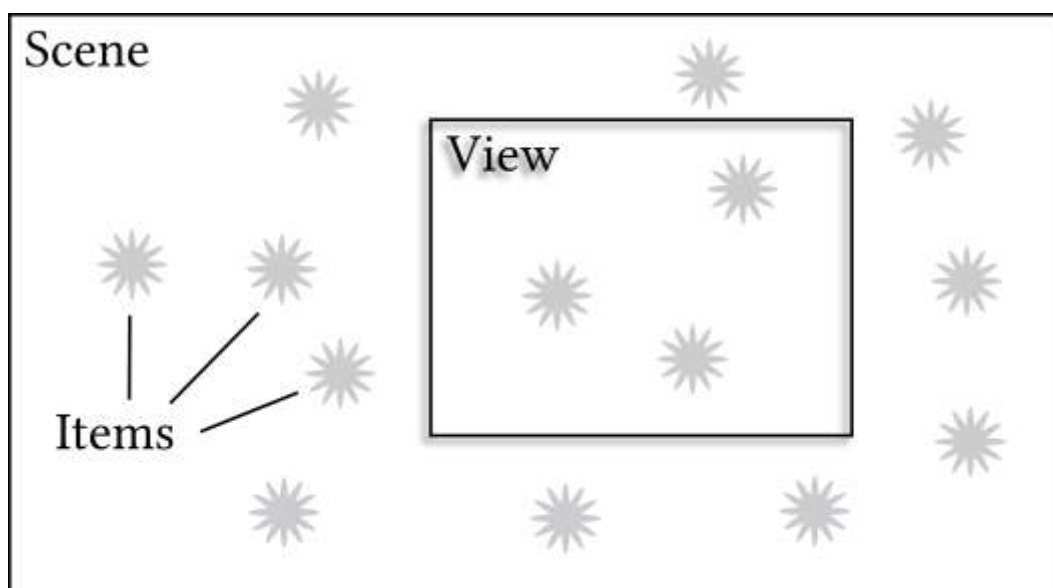
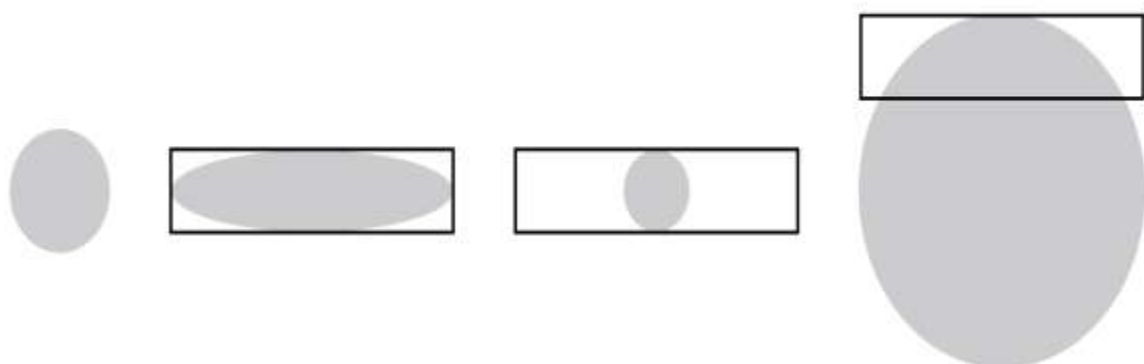
itemB

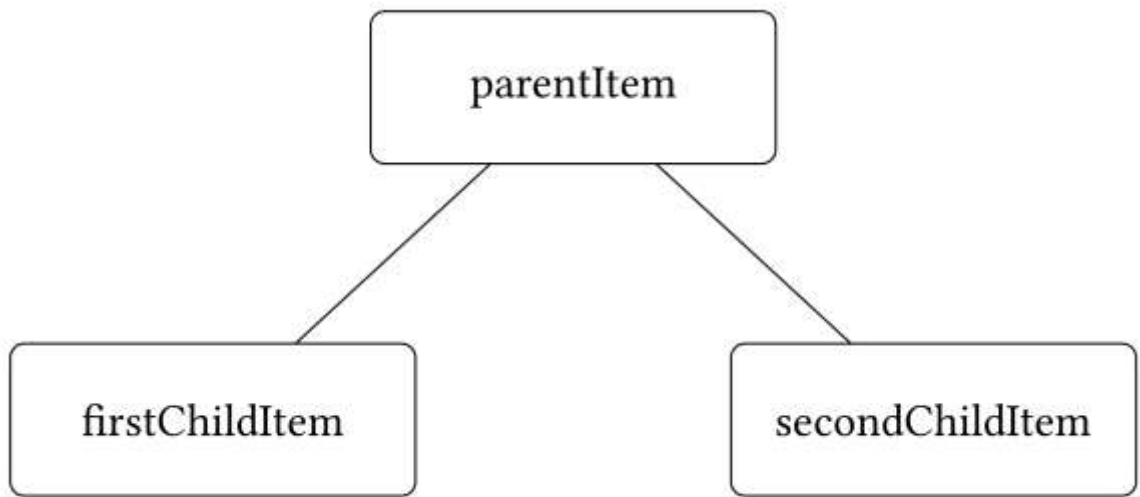


itemC

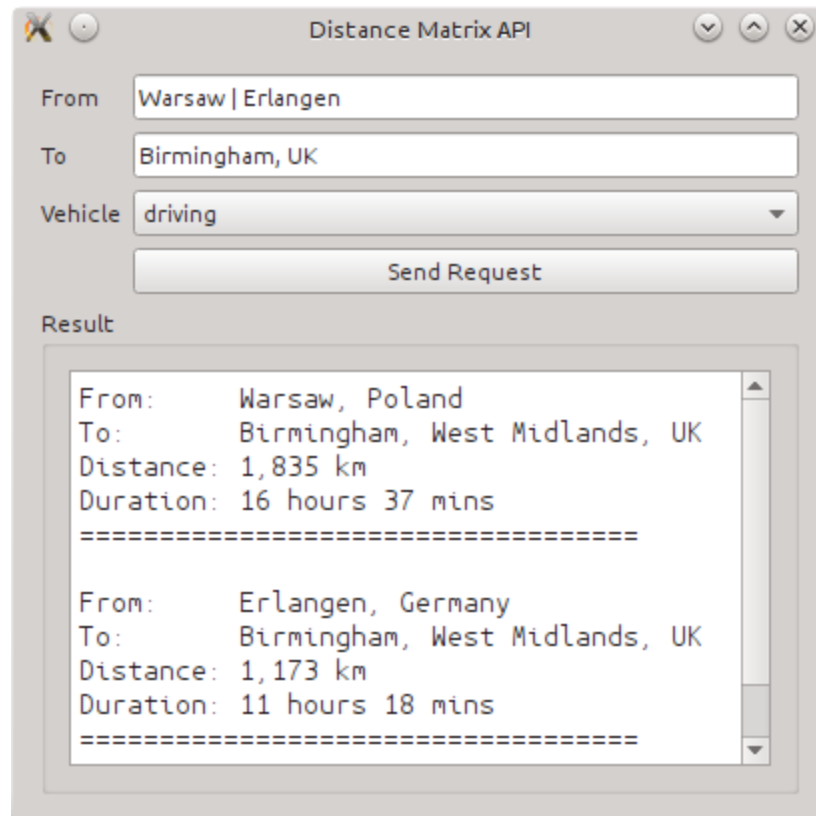








Chapter 7: Networking



A screenshot of a web application window titled "Distance Matrix API". The window has a light gray background and standard window controls (minimize, maximize, close) in the top right corner. Below the title bar, there are three input fields: "From" with the text "Warsaw | Erlangen", "To" with the text "Birmingham, UK", and "Vehicle" with a dropdown menu showing "driving". Below these fields is a "Send Request" button. Underneath the button, the word "Result" is displayed. Below "Result" is a scrollable text area containing two sets of travel information, separated by a line of equals signs. The first set shows travel from Warsaw, Poland to Birmingham, West Midlands, UK, with a distance of 1,835 km and a duration of 16 hours 37 mins. The second set shows travel from Erlangen, Germany to Birmingham, West Midlands, UK, with a distance of 1,173 km and a duration of 11 hours 18 mins.

Distance Matrix API

From: Warsaw | Erlangen

To: Birmingham, UK

Vehicle: driving

Send Request

Result

```
From:    Warsaw, Poland
To:      Birmingham, West Midlands, UK
Distance: 1,835 km
Duration: 16 hours 37 mins
=====

From:    Erlangen, Germany
To:      Birmingham, West Midlands, UK
Distance: 1,173 km
Duration: 11 hours 18 mins
=====
```

Distance Matrix API

From

To

Vehicle

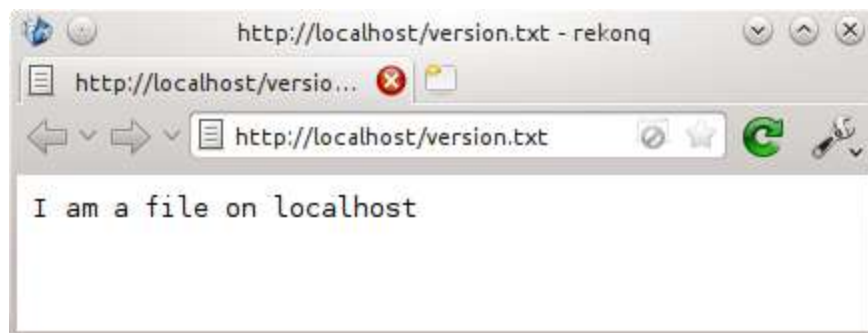
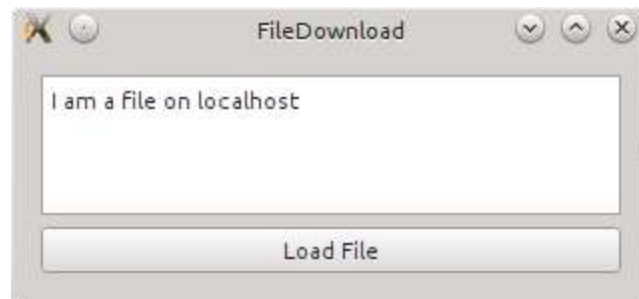
Result

FileDownload

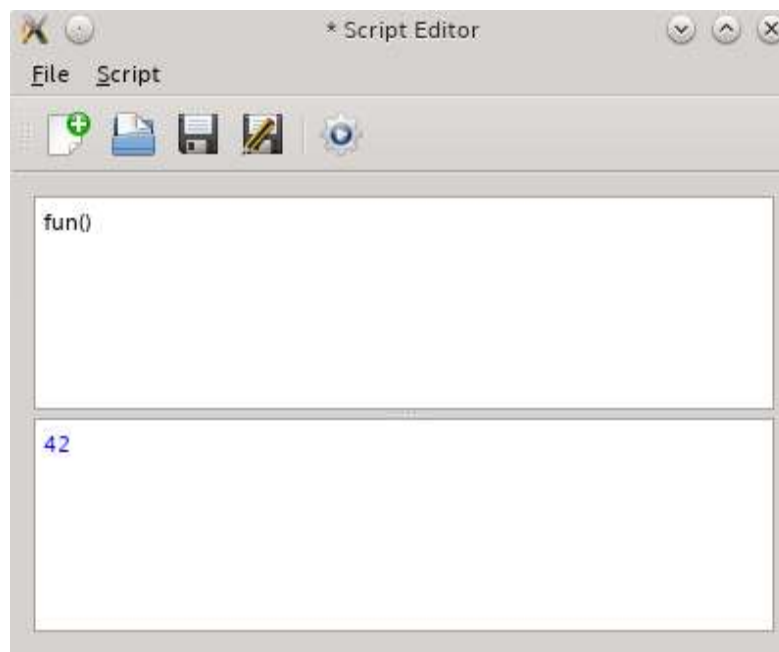
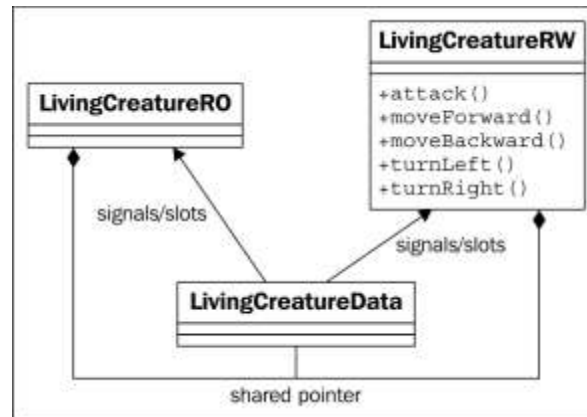
Logging in to localhost failed: authentication required

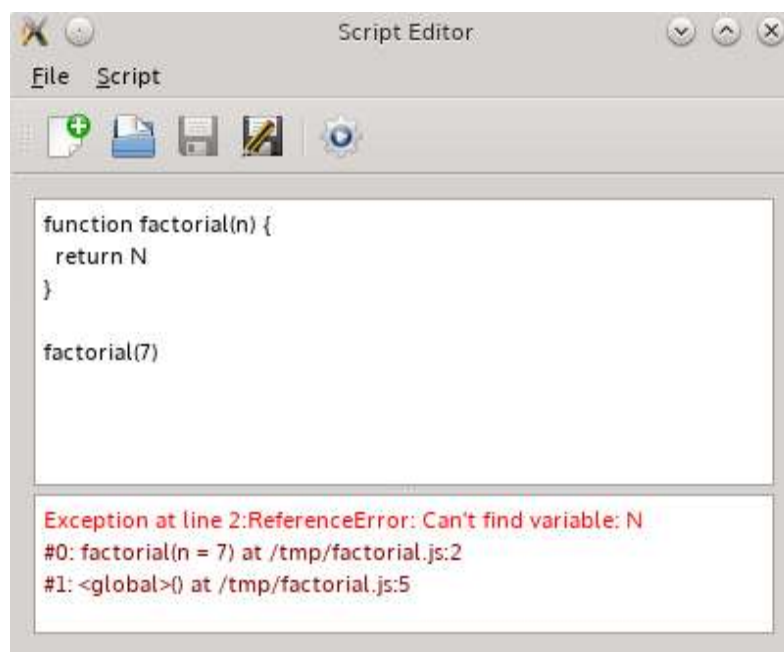
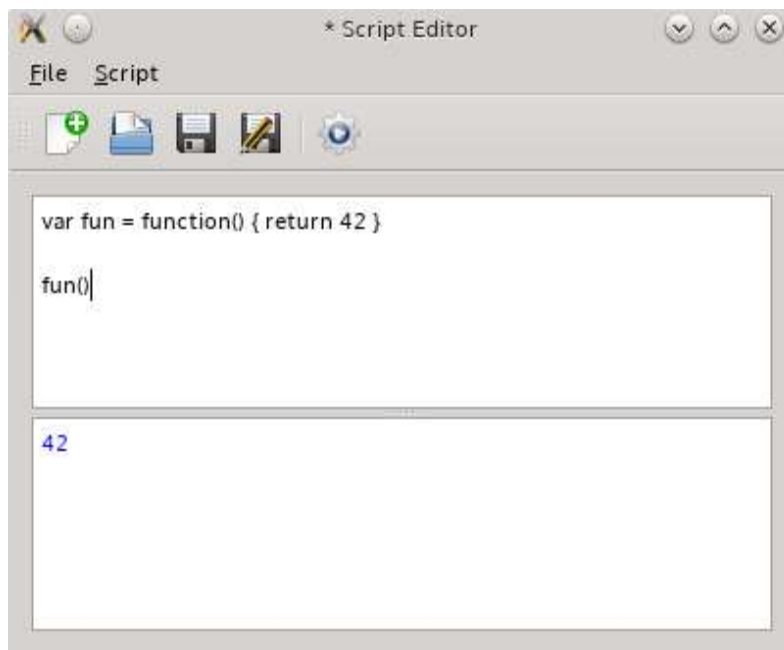
FileDownload

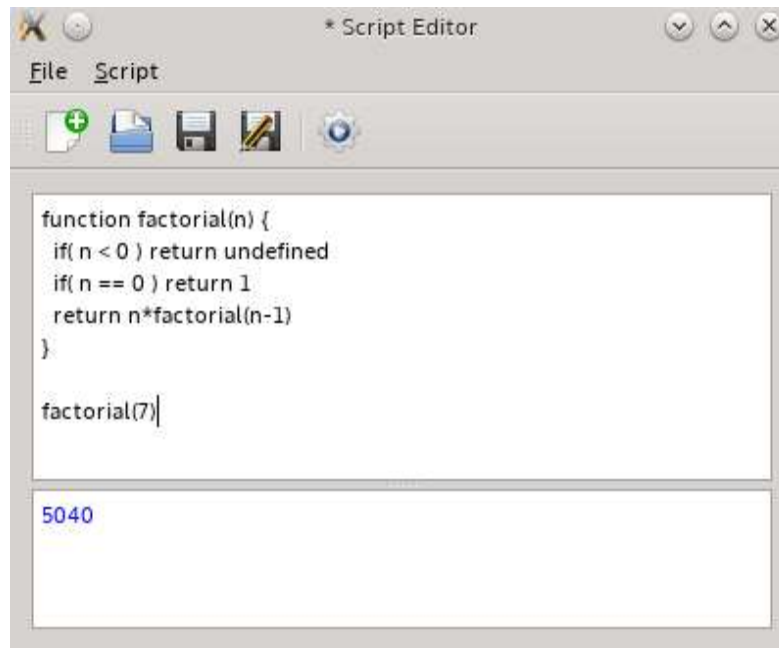
Error downloading http://localhost/versions.txt -
server replied: Not Found

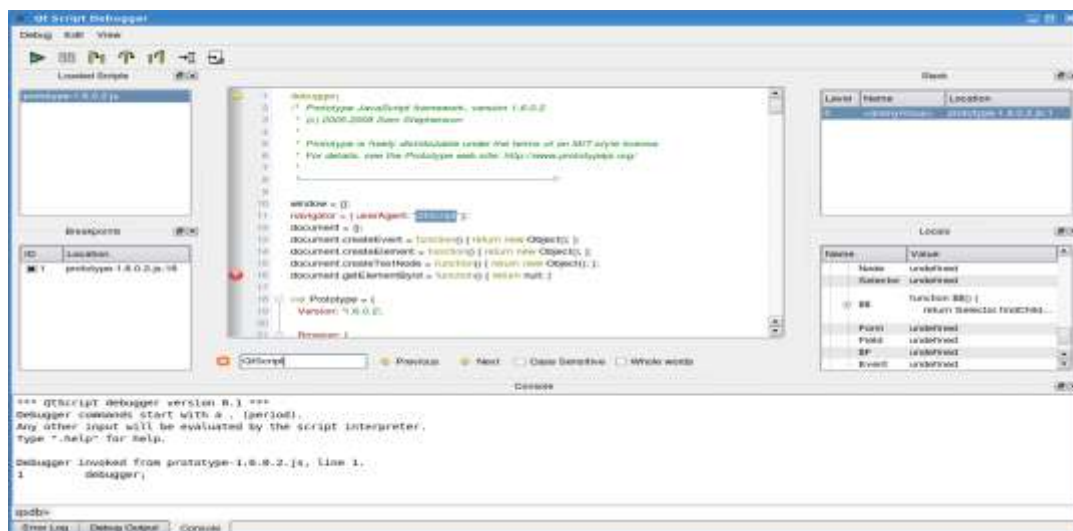
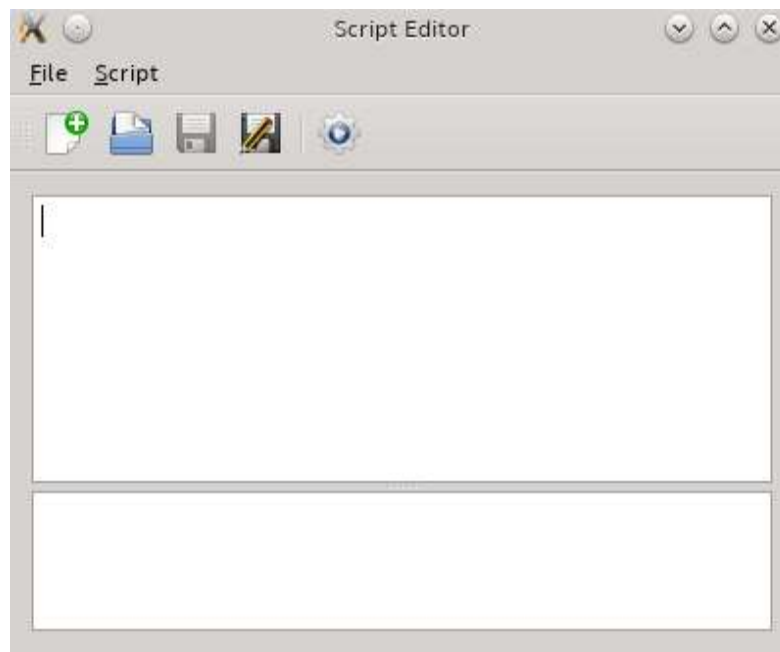


Chapter 8: Scripting



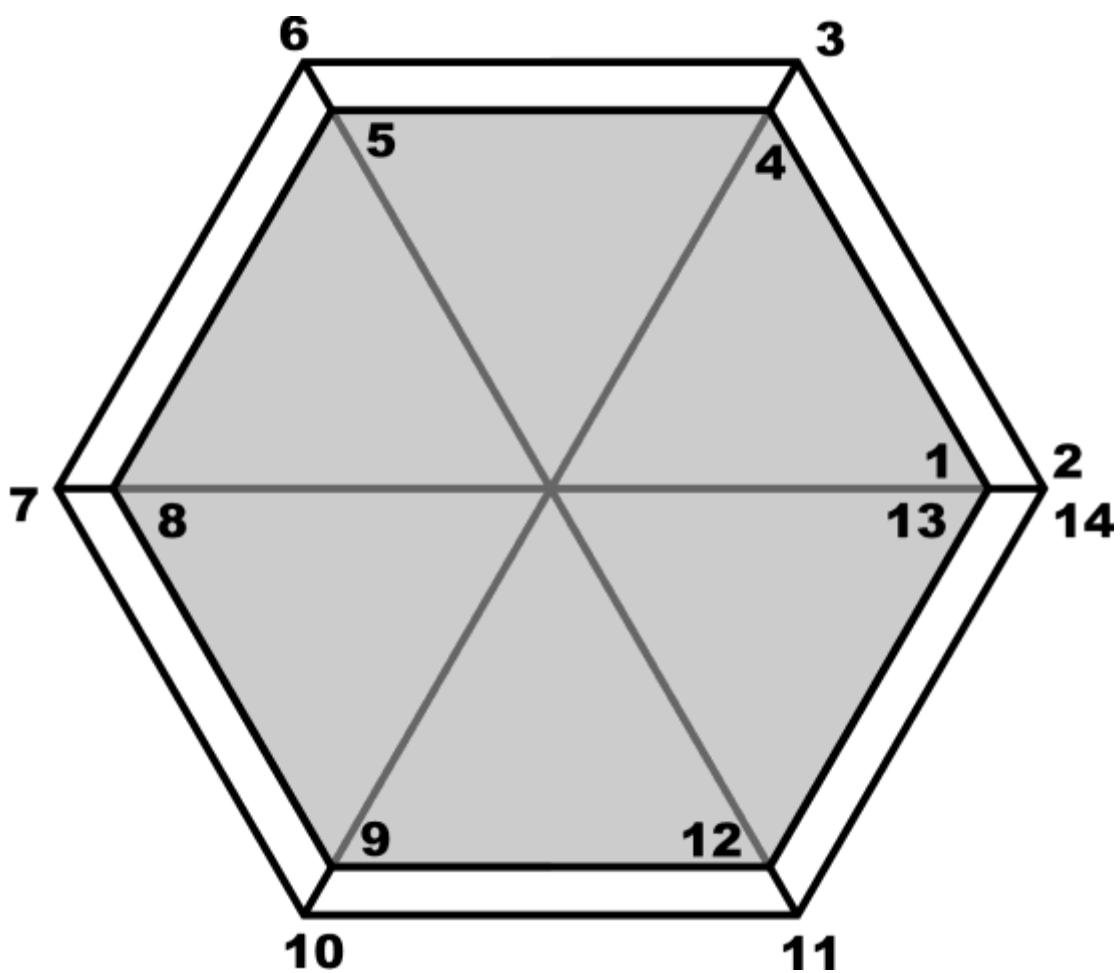


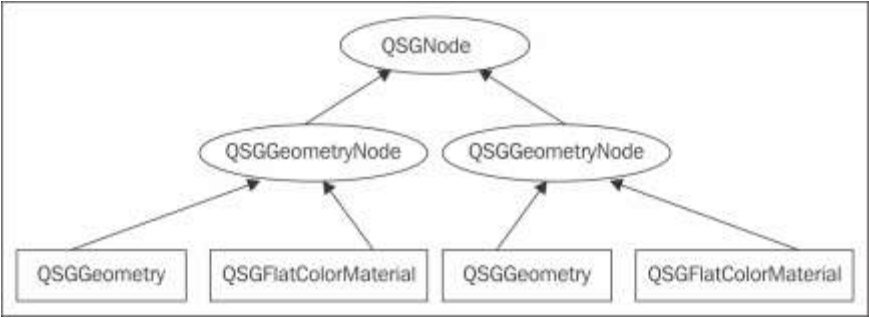


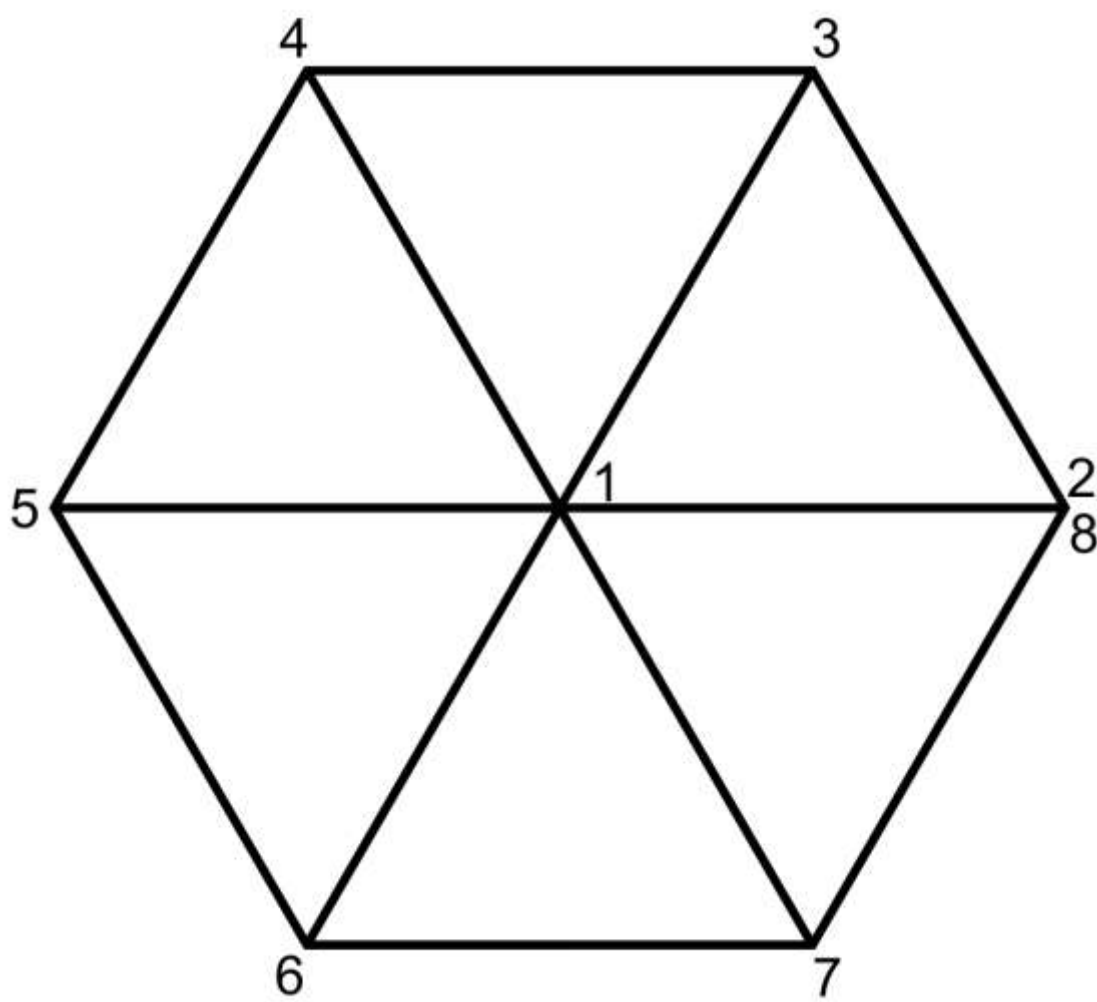


Chapter 9: Qt Quick Basics

This is outlined text





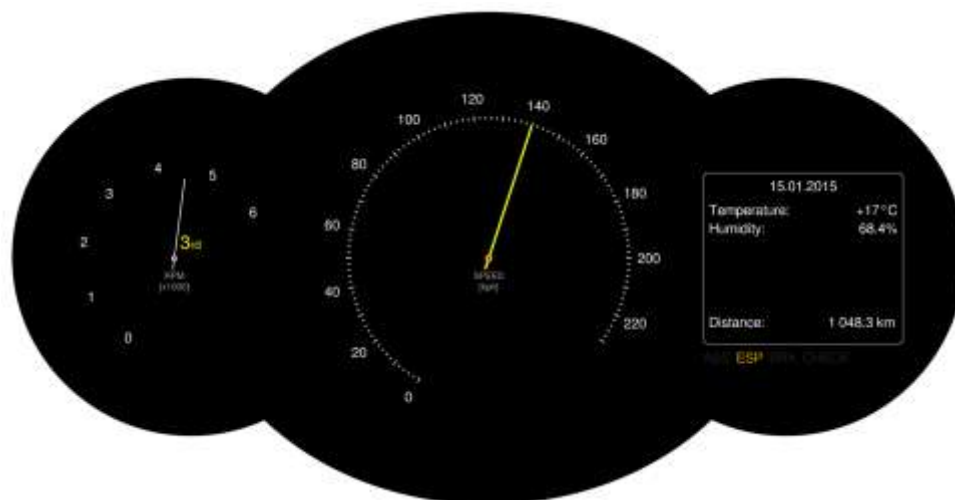


RPM: 2700

Speed: 84 kph

Distance: 140517,4

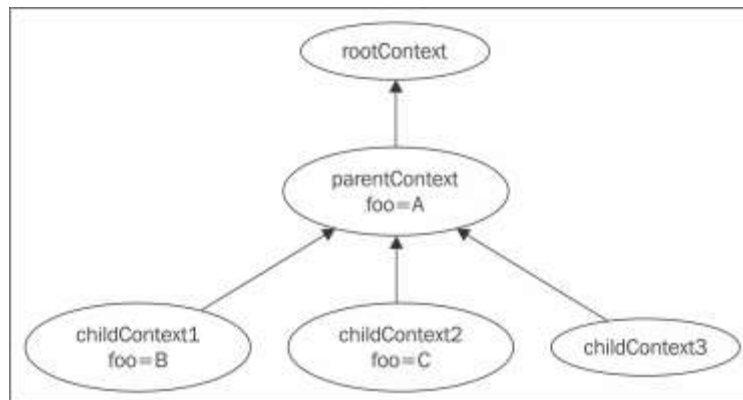
Gear: 4

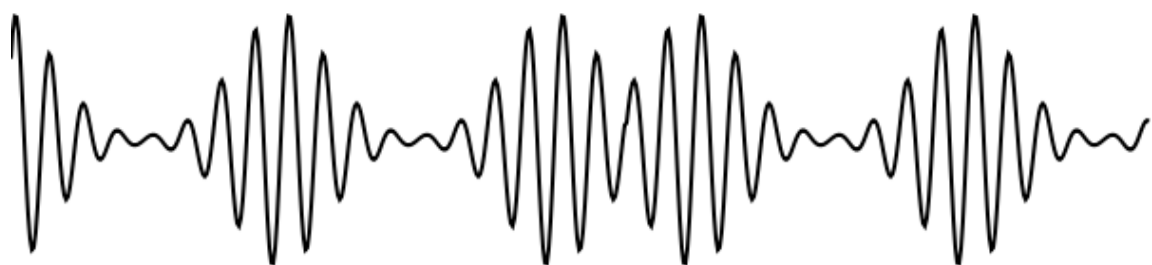
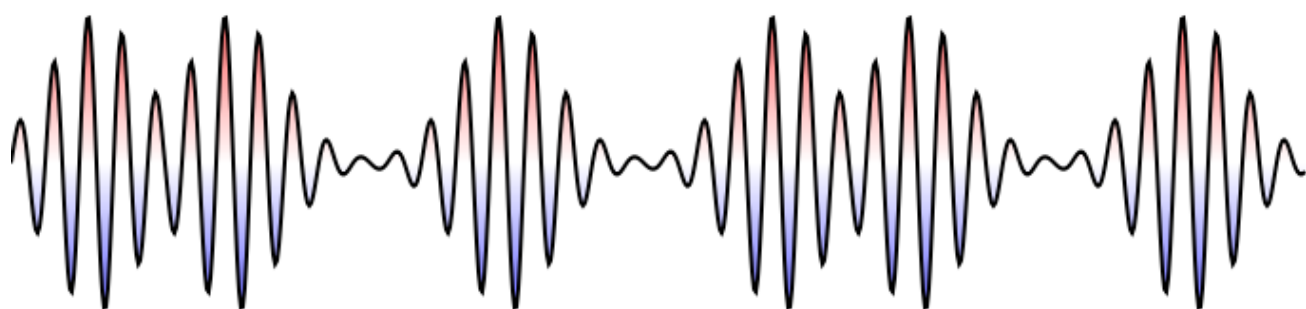


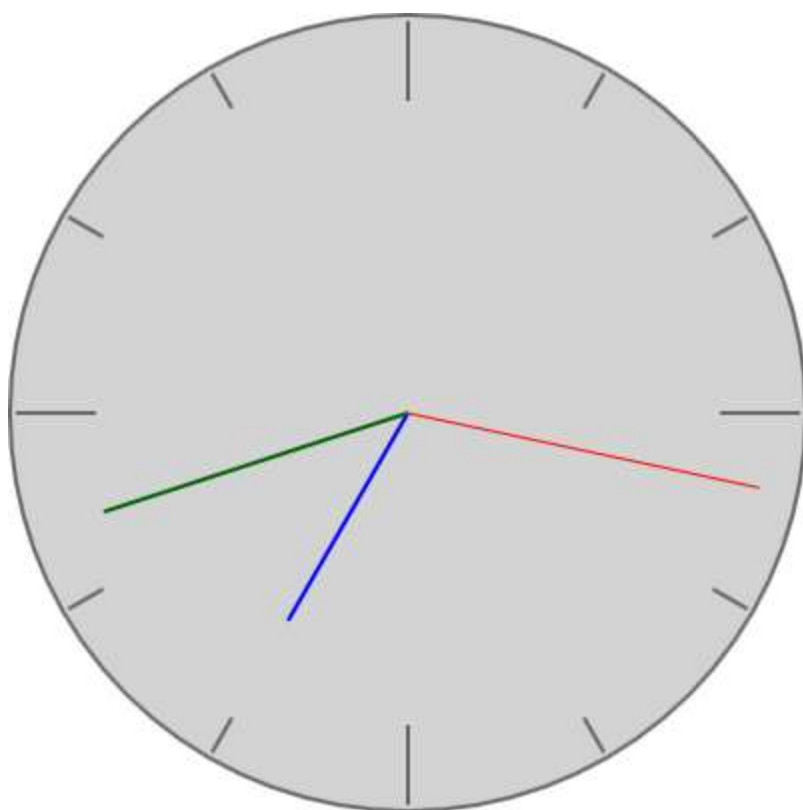
Weather for 10.01.2015

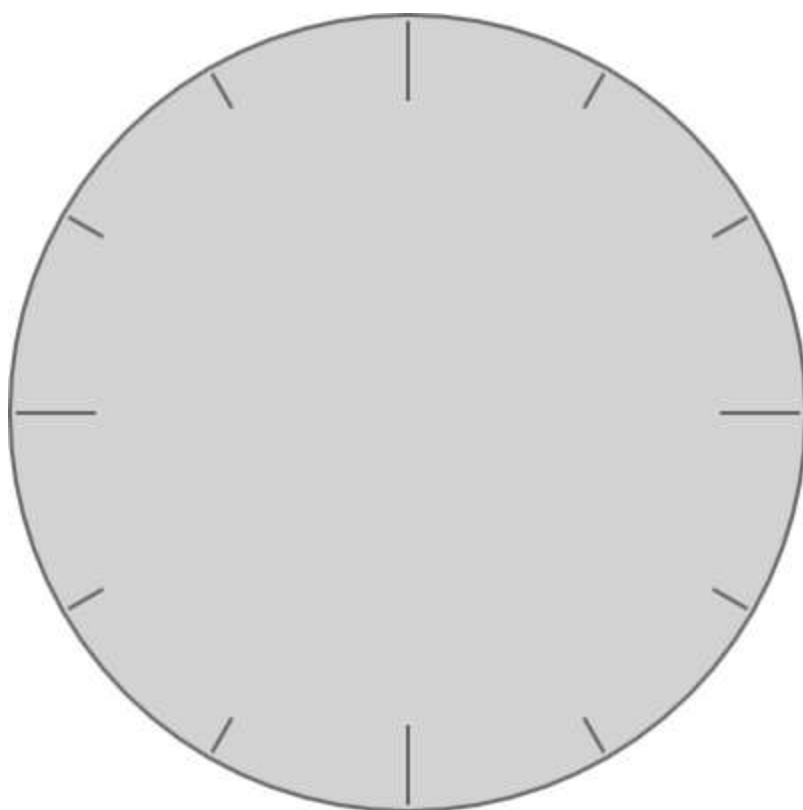
Temperature: 17°C

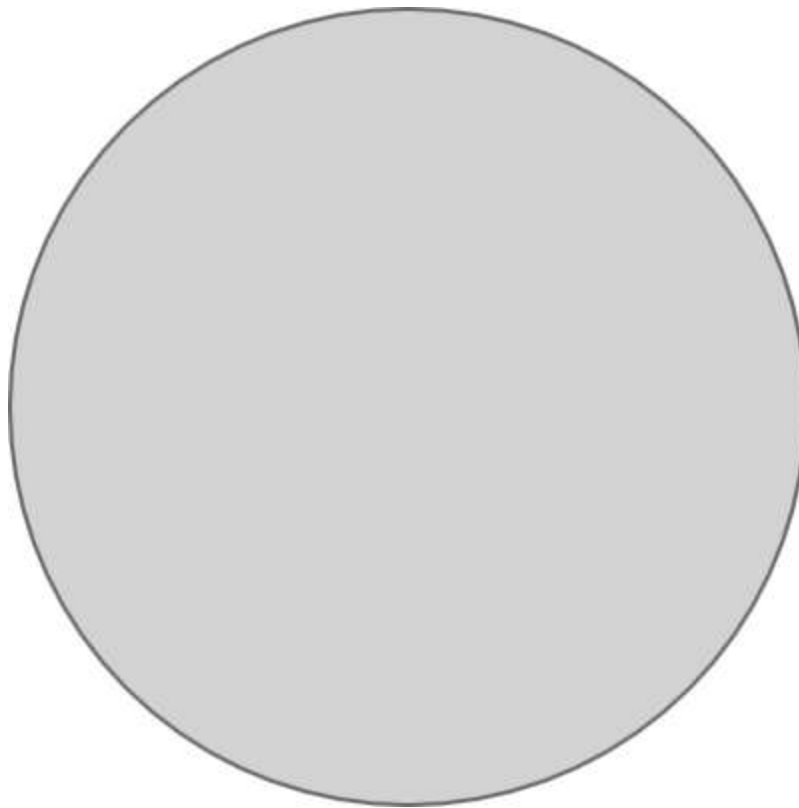
Humidity: 64.8%





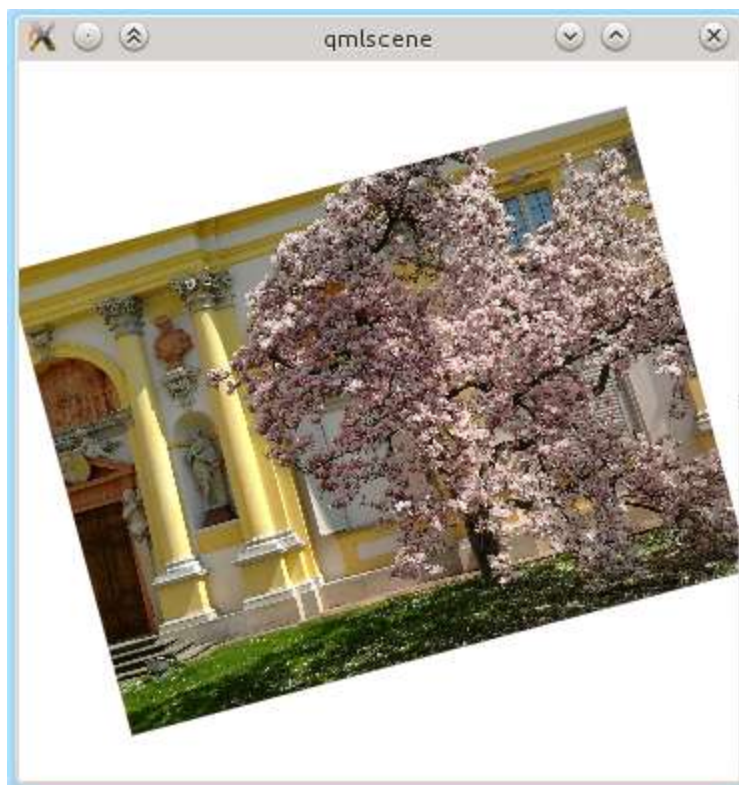


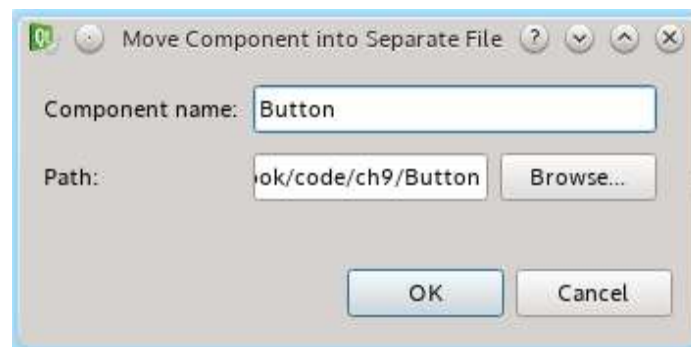
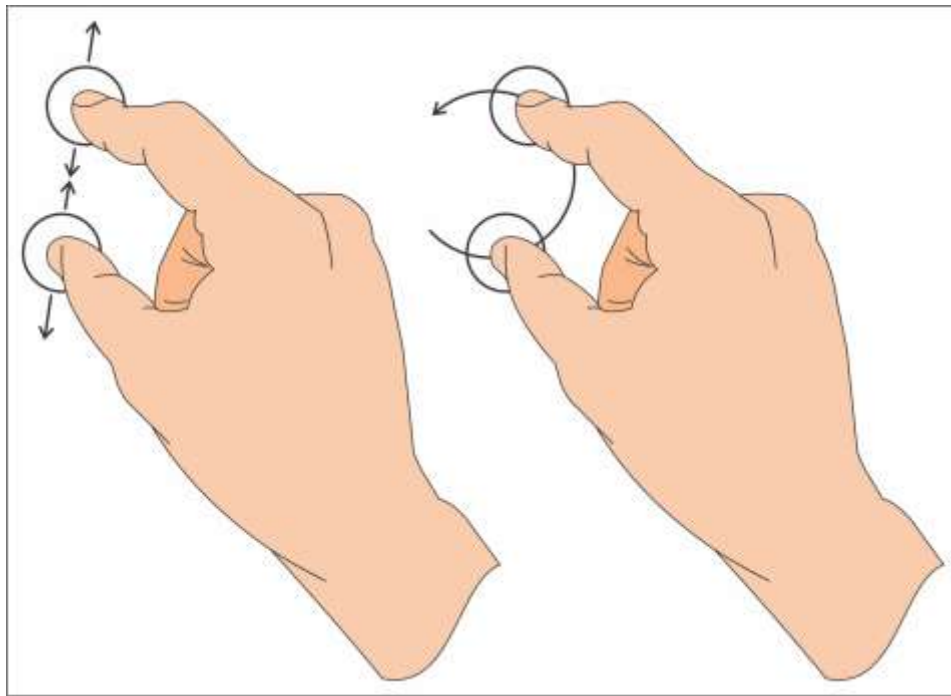




A quick brown fi

- **spacePressed**(KeyEvent *event*)



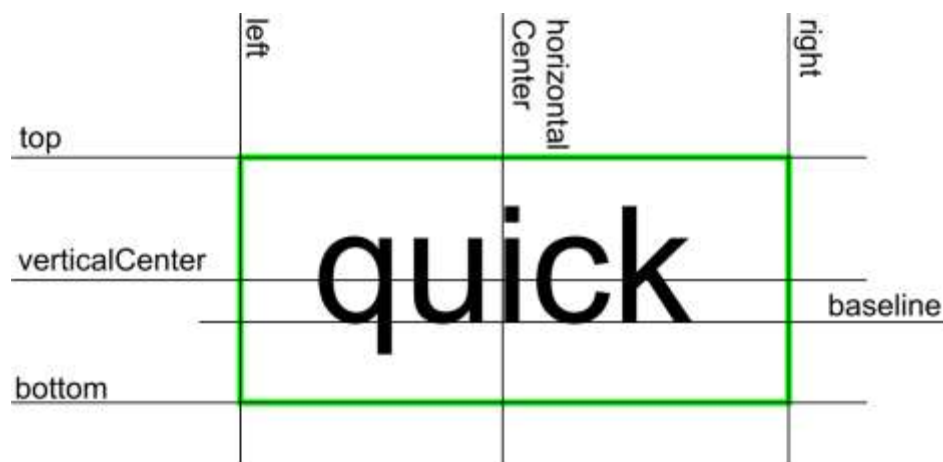



```

1  import QtQuick 2.0
2
3  ▼ Rectangle {
4      width: 360
5      height: 360
6
7  ▼   Rectangle {
8      id: Move Component into Separate File
9      Wrap Component in Loader
10     signal clicked()
11
12     anchors.centerIn: parent
13     border { width: 1; color: "black" }
14     radius: 5
15
16     gradient: Gradient {
17         GradientStop { position: 0; color: "#eeeeee" }
18         GradientStop { position: 1; color: "#777777" }
19     }

```





 Button Text

This text is so long that the button really doesn't look good

Button Text

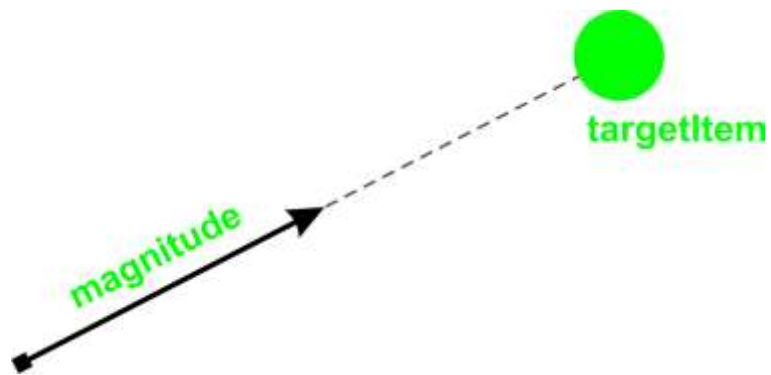
Button Text

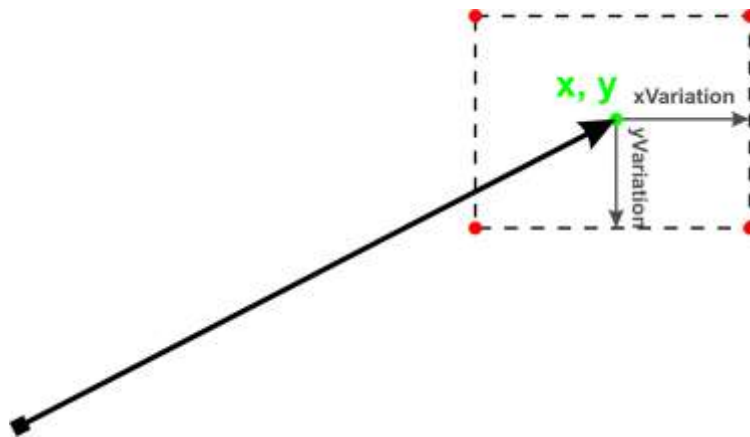
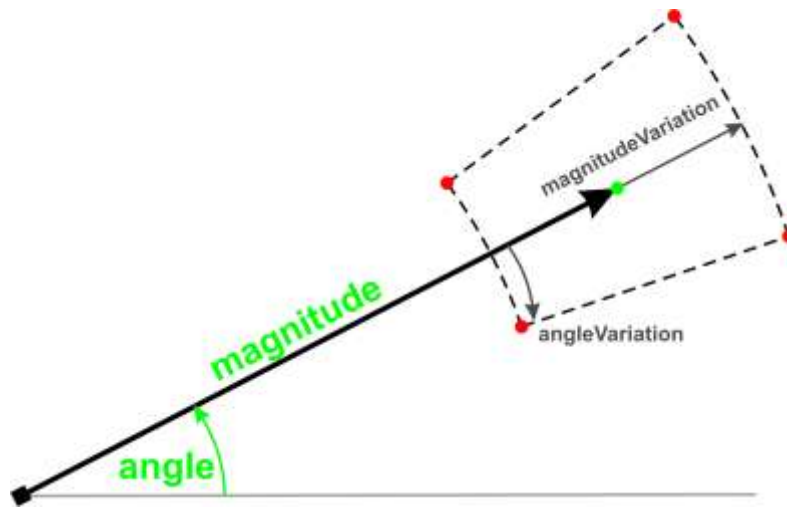
Name	Load	Version	Vendor
✓ Core	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ Debugger	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ Designer	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ DiffEditor	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ Help	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ ImageViewer	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ Macros	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ ProjectExplorer	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ ResourceEditor	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ TextEditor	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ Welcome	✓	3.4.2 (3.4.0)	The Qt Company Ltd
▼ ✓ Qt Quick	✓		
✓ QmlDesigner	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ QmlJSEditor	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ QmlJSTools	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ QmlProfiler	✓	3.4.2 (3.4.0)	The Qt Company Ltd
✓ QmlProjectManager	✓	3.4.2 (3.4.0)	The Qt Company Ltd
▼ - Utilities			
✓ CodePaster	✓	3.4.2 (3.4.0)	The Qt Company Ltd
- EmacsKeys		3.4.2 (3.4.0)	nsf
✓ FakeVim	✓	3.4.2 (3.4.0)	The Qt Company Ltd
- HelloWorld		3.4.2 (3.4.0)	The Qt Company Ltd
✓ TaskList	✓	3.4.2 (3.4.0)	The Qt Company Ltd

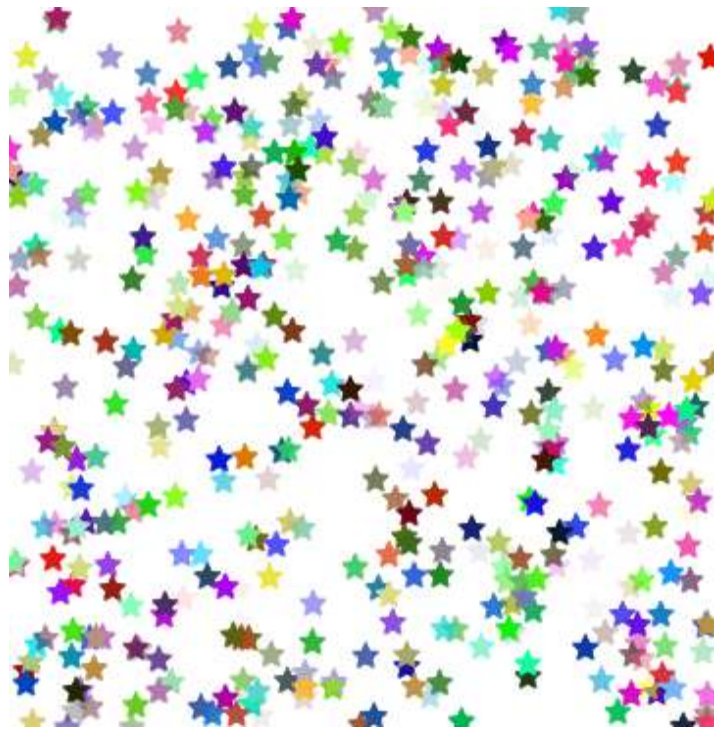
Details
Error Details
Restart required.
Close

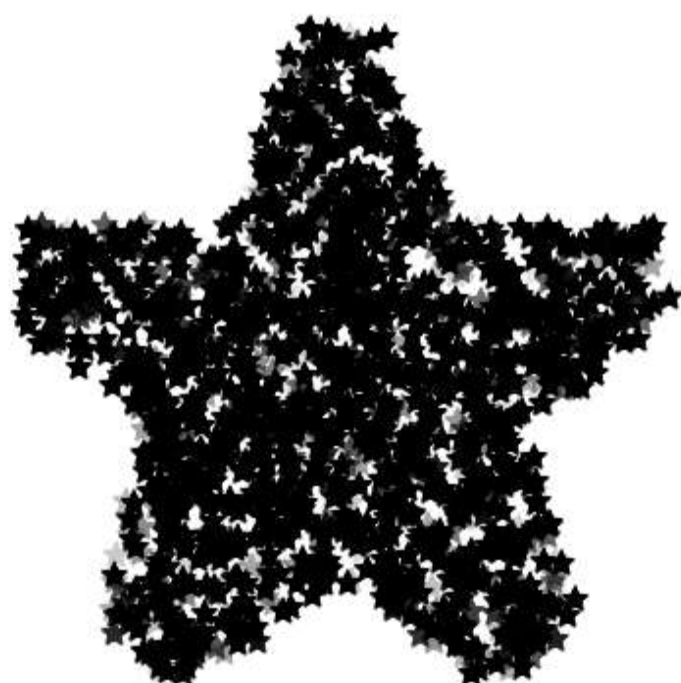
Chapter 10: Qt Quick

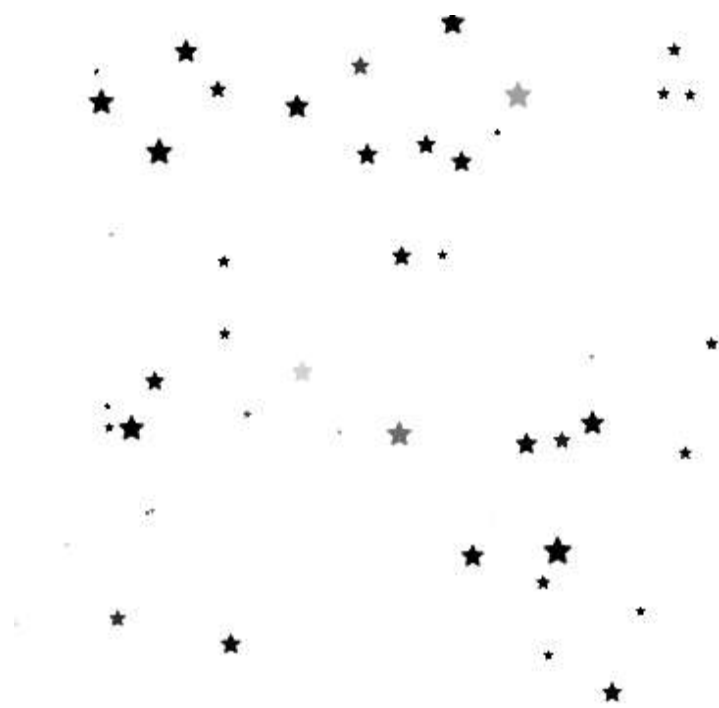


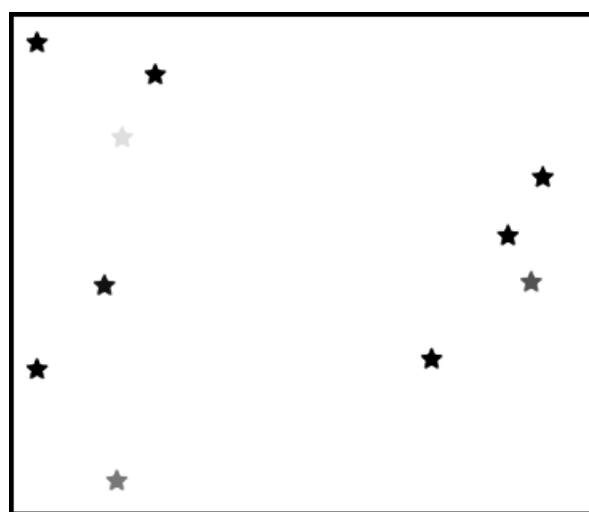
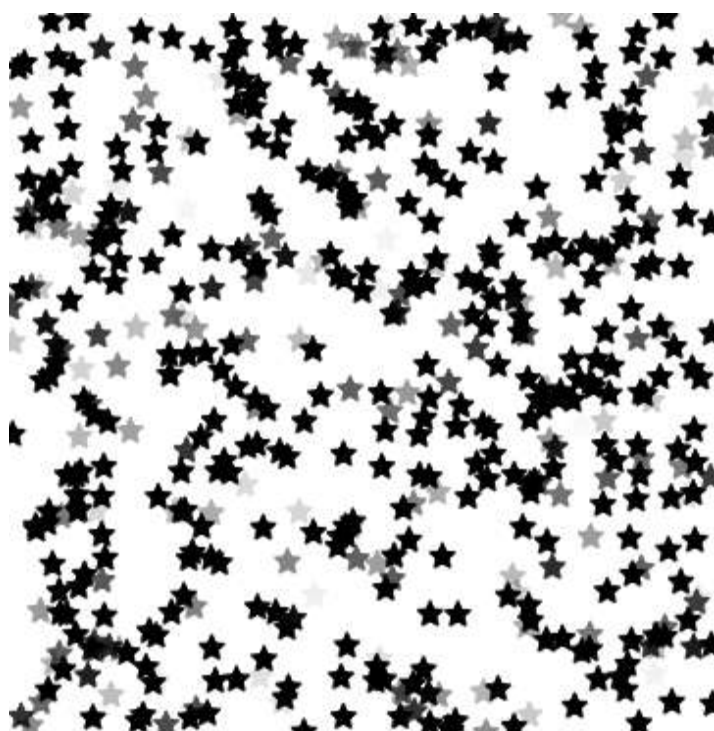


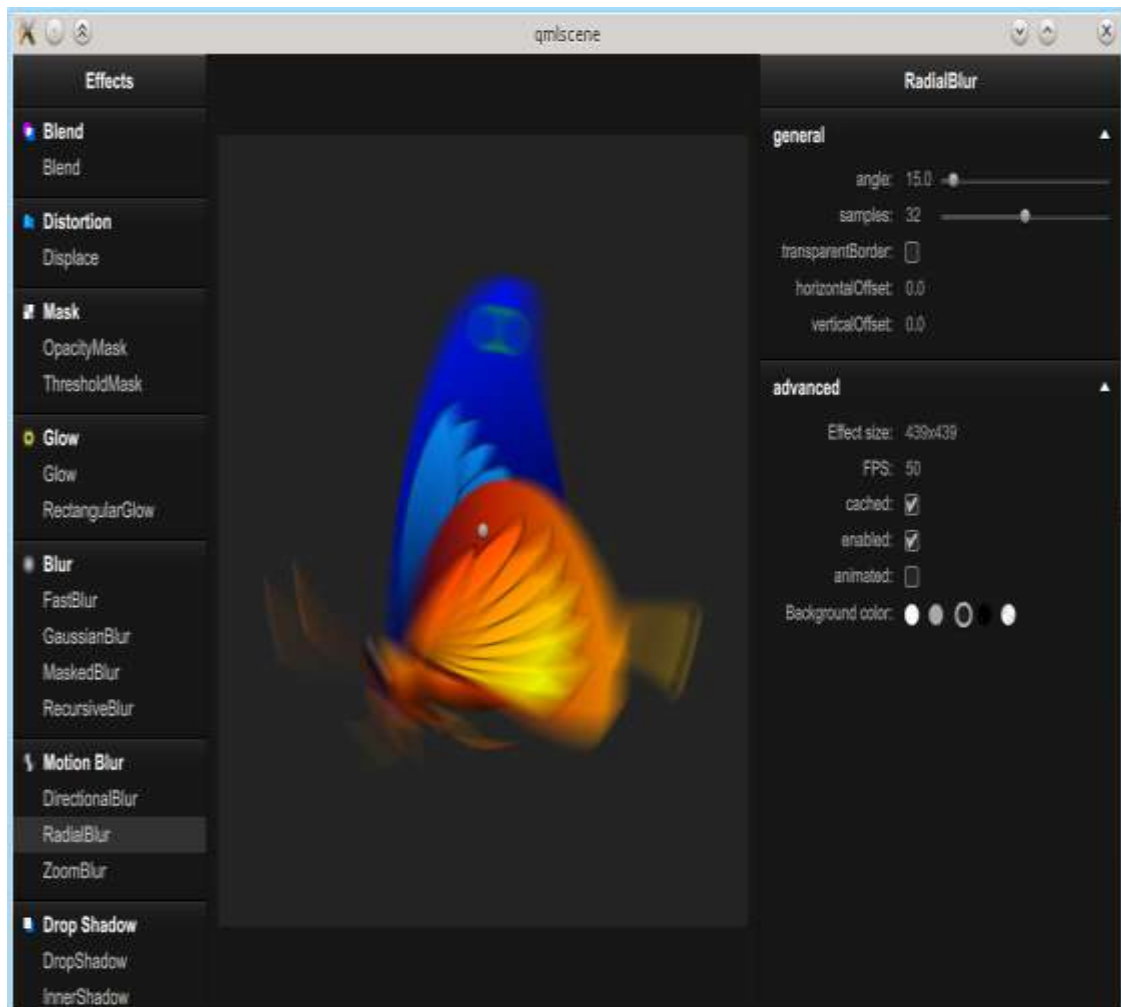


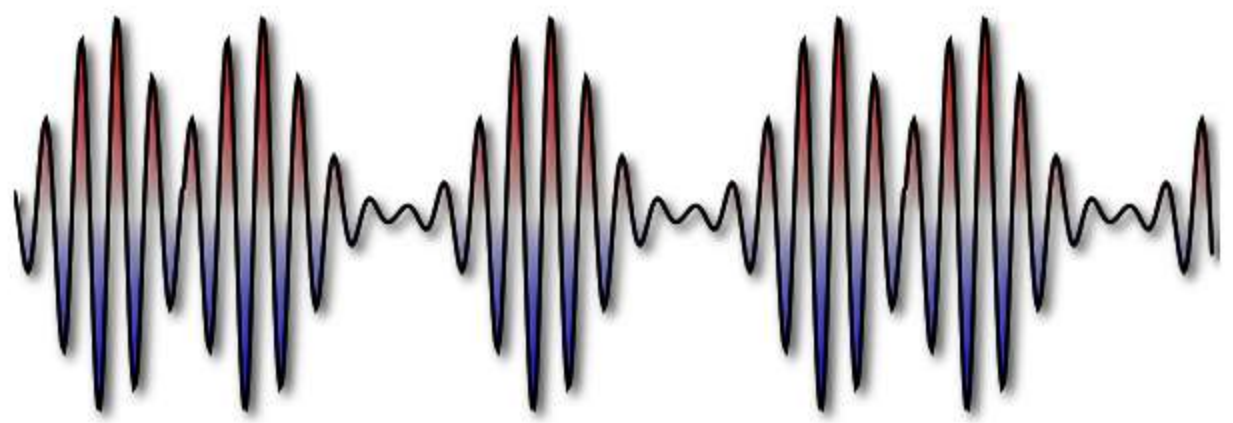




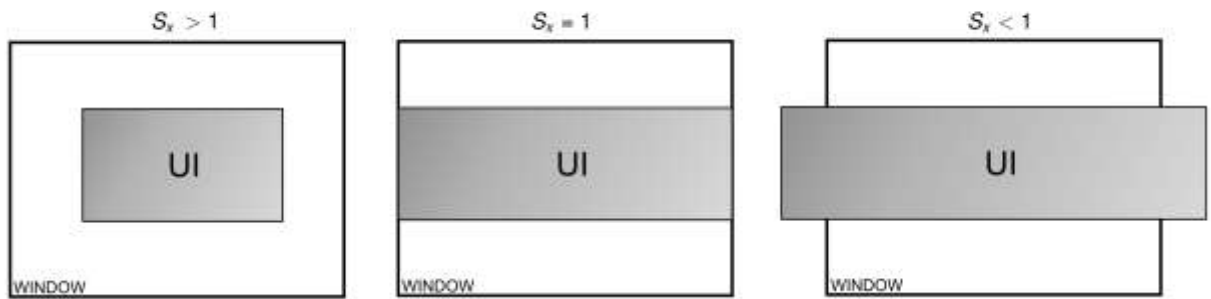




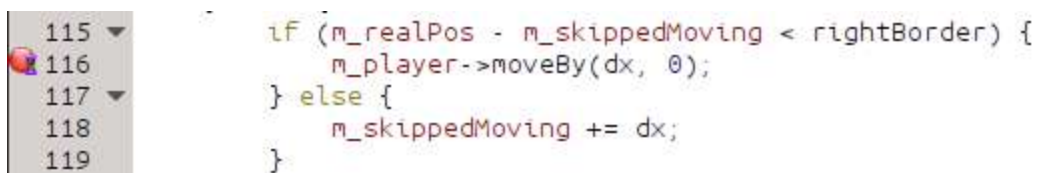
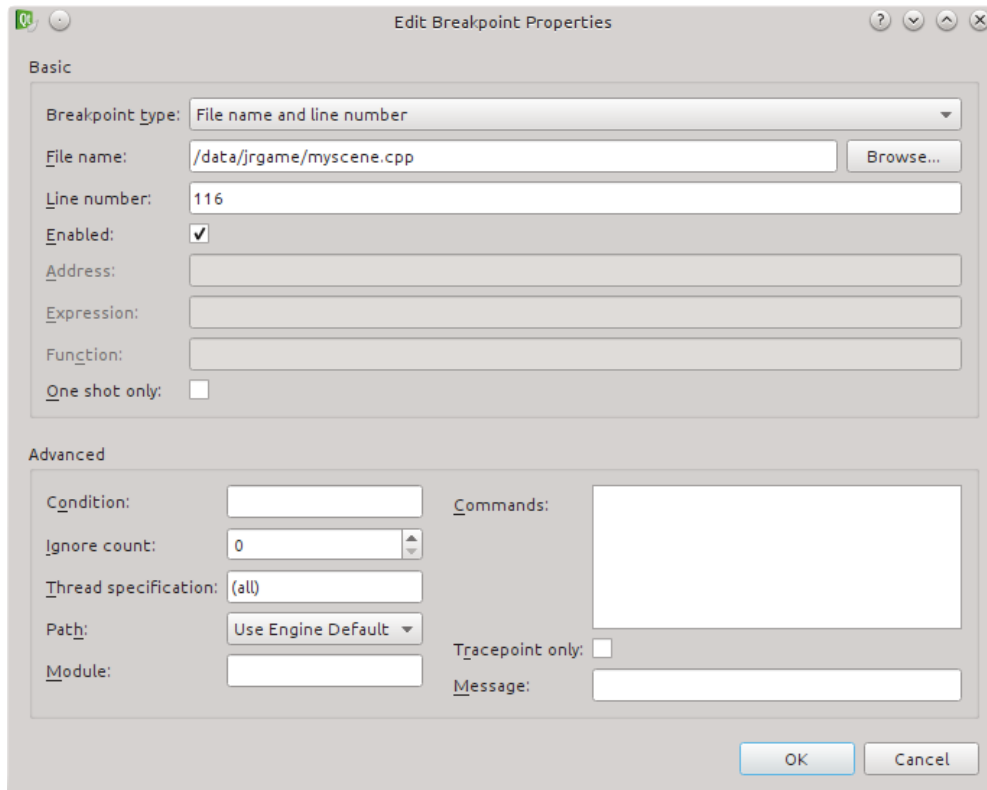




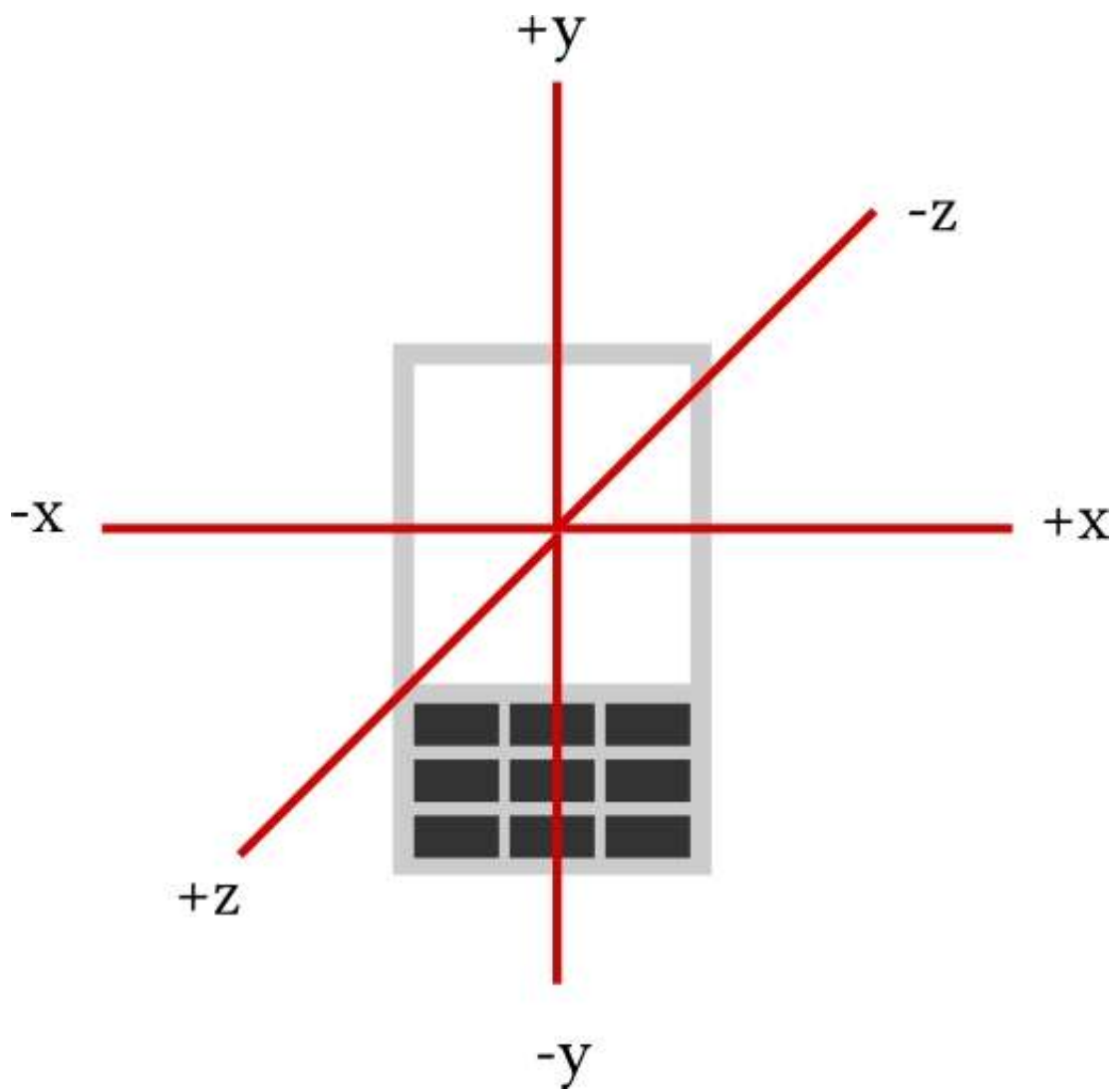
$$S_x = \frac{W_{wnd}}{W_{ui}}$$

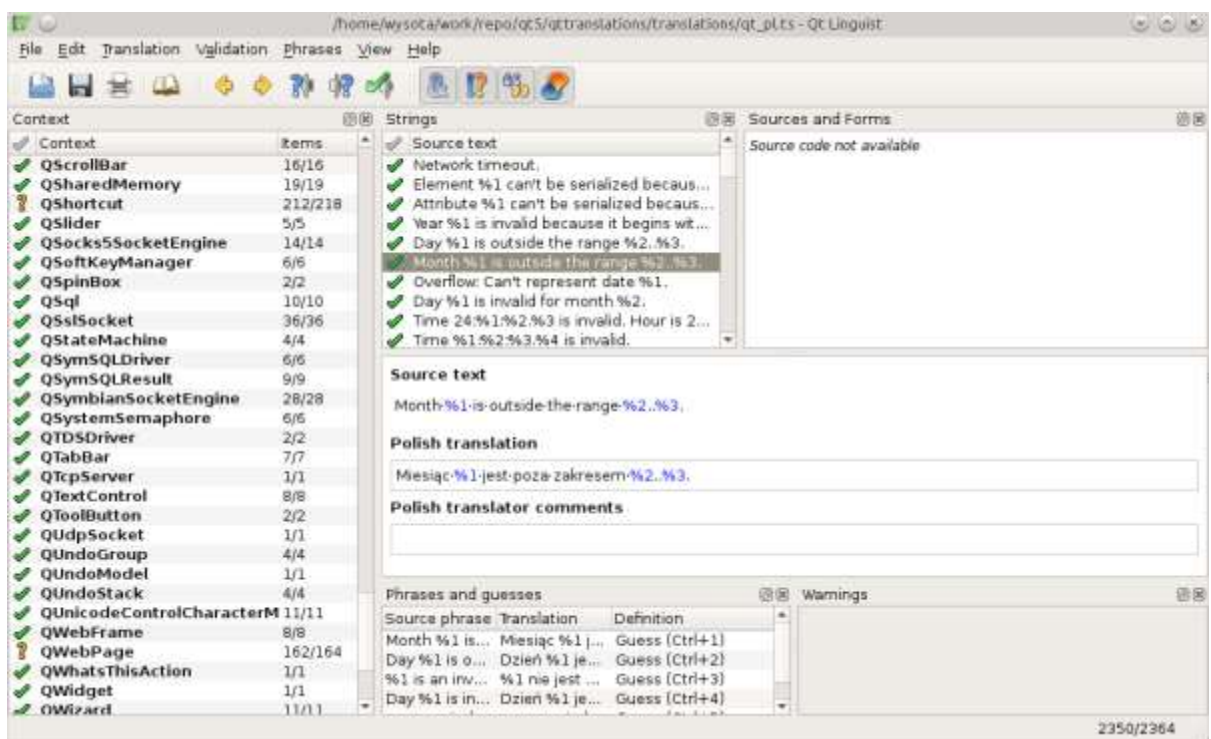
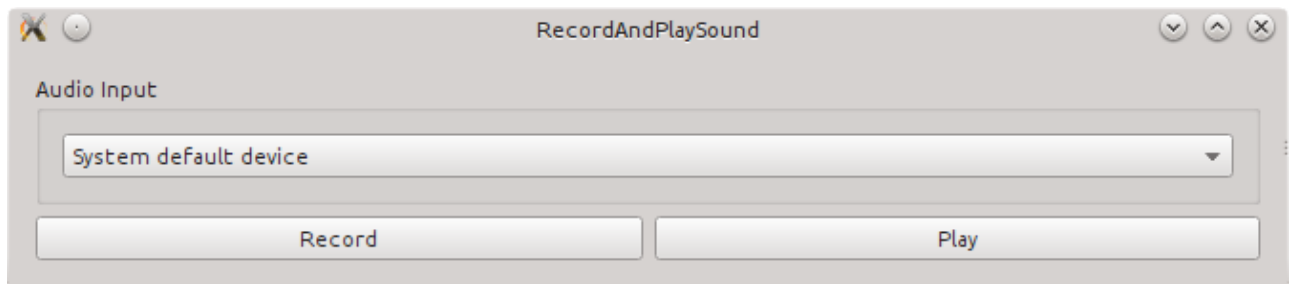


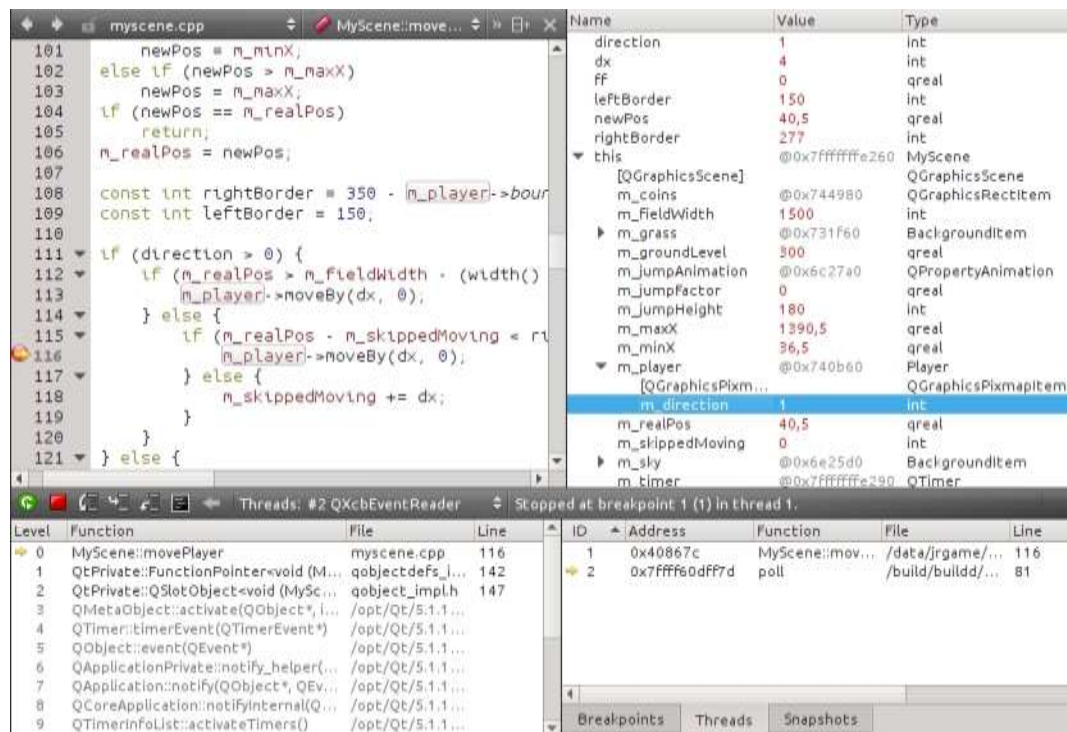
Chapter 11, Miscellaneous and Advanced Concepts



x: 15 y: -3







Edit Breakpoint Properties

Basic

Breakpoint type: File name and line number

File name: /data/jrgame/myscene.cpp Browse...

Line number: 116

Enabled: ☒

Address:

Expression:

Function:

One shot only: ☐

Advanced

Condition:

Ignore count: 0

Thread specification: (all)

Path: Use Engine Default

Module:

Commands:

Tracepoint only: ☐

Message:

OK Cancel

```
115 if (m_realPos - m_skippedMoving < rightBorder) {  
116     m_player->moveBy(dx, 0);  
117 } else {  
118     m_skippedMoving += dx;  
119 }
```

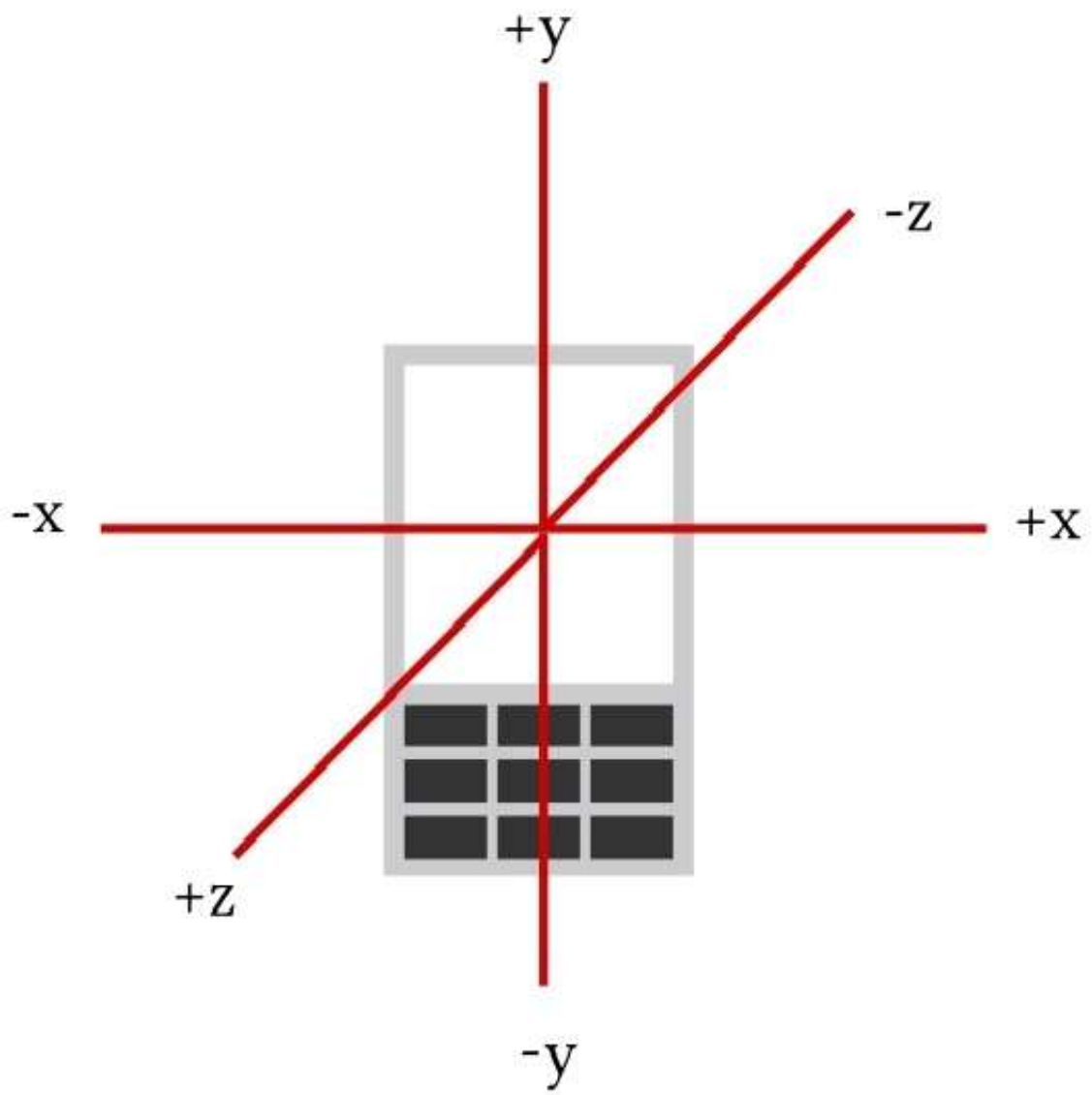
RecordAndPlaySound

Audio Input

System default device

Record Play

x: 15 y: -3



myscene.cpp

MyScene::move...

»

+

×

```

101     newPos = m_minX;
102     else if (newPos > m_maxX)
103         newPos = m_maxX;
104     if (newPos == m_realPos)
105         return;
106     m_realPos = newPos;
107
108     const int rightBorder = 350 - m_player->bour
109     const int leftBorder = 150;
110
111     if (direction > 0) {
112         if (m_realPos > m_fieldWidth - (width()
113             m_player->moveBy(dx, 0);
114         } else {
115             if (m_realPos - m_skippedMoving < r
116                 m_player->moveBy(dx, 0);
117             } else {
118                 m_skippedMoving += dx;
119             }
120         }
121     } else {

```

Name	Value	Type
direction	1	int
dx	4	int
ff	0	qreal
leftBorder	150	int
newPos	40,5	qreal
rightBorder	277	int
this	@0x7fffffff260	MyScene
[QGraphicsScene]		QGraphicsScene
m_coins	@0x744980	QGraphicsRectItem
m_fieldWidth	1500	int
m_grass	@0x731f60	BackgroundItem
m_groundLevel	300	qreal
m_jumpAnimation	@0x6c27a0	QPropertyAnimation
m_jumpFactor	0	qreal
m_jumpHeight	180	int
m_maxX	1390,5	qreal
m_minX	36,5	qreal
m_player	@0x740b60	Player
[QGraphicsPixm...		QGraphicsPixmapItem
m_direction	1	int
m_realPos	40,5	qreal
m_skippedMoving	0	int
m_sky	@0x6e25d0	BackgroundItem
m_timer	@0x7fffffff290	QTimer

Threads: #2 QXcbEventReader

Stopped at breakpoint 1 (1) in thread 1.

Views

Level	Function	File	Line	ID	Address	Function	File	Line	Stat
0	MyScene::movePlayer	myscene.cpp	116	1	0x40867c	MyScene::mov...	/data/jrgame/...	116	stop
1	QtPrivate::FunctionPointer<void (M...	qobjectdefs_i...	142	2	0x7ffff60dff7d	poll	/build/builddd/...	81	stop
2	QtPrivate::QSlotObject<void (MySc...	qobject_implh	147						
3	QMetaObject::activate(QObject*, i...	/opt/Qt/5.1.1...							
4	QTimer::timerEvent(QTimerEvent*)	/opt/Qt/5.1.1...							
5	QObject::event(QEvent*)	/opt/Qt/5.1.1...							
6	QApplicationPrivate::notify_helper(...	/opt/Qt/5.1.1...							
7	QApplication::notify(QObject*, QEv...	/opt/Qt/5.1.1...							
8	QCoreApplication::notifyInternal(Q...	/opt/Qt/5.1.1...							
9	QTimerInfoList::activateTimers()	/opt/Qt/5.1.1...							

Breakpoints

Threads

Snapshots