QTypingTest 0.0.1

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Type as fast as you can !!

2 Qtyping test

# Namespace Index

2.1	Namespace List	
Here	is a list of all namespaces with brief descriptions:	
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## **Hierarchical Index**

### 3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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WordFinder			 				 														 			19

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## **Class Index**

#### 4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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#### 5.1 File List

Here is a list of all files with brief descriptions:

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# **Namespace Documentation**

6.1 Ui Namespace Reference

### **Class Documentation**

#### 7.1 KeyboardLetters Class Reference

```
#include <KeyboardLetters.h>
```

#### **Public Types**

```
enum KEYBOARD_LAYOUT { QWERTY, AZERTY, QWERTZ }
enum LEARN_STEPS {
    L1_IN, L1_MI, L1_RI, L1_PI,
    L2_IN, L2_MI, L2_RI, L2_PI,
    L0_ }
```

#### **Public Member Functions**

- KeyboardLetters ()
- KeyboardLetters (const KeyboardLetters &orig)
- virtual ∼KeyboardLetters ()

#### 7.1.1 Member Enumeration Documentation

#### 7.1.1.1 enum KeyboardLetters::KEYBOARD\_LAYOUT

Enumerator

QWERTY AZERTY QWERTZ

#### 7.1.1.2 enum KeyboardLetters::LEARN\_STEPS

#### Enumerator

L1\_IN L1\_MI L1\_RI

L1\_PI

L2\_IN

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```
L2_MI
L2_RI
L2_PI
L0_
```

#### 7.1.2 Constructor & Destructor Documentation

```
7.1.2.1 KeyboardLetters::KeyboardLetters ( )
```

7.1.2.2 KeyboardLetters::KeyboardLetters ( const KeyboardLetters & orig )

```
7.1.2.3 KeyboardLetters::~KeyboardLetters() [virtual]
```

The documentation for this class was generated from the following files:

- src/util/KeyboardLetters.h
- src/util/KeyboardLetters.cpp

#### 7.2 MainWindow Class Reference

```
#include <mainwindow.h>
```

Inheritance diagram for MainWindow:



#### **Public Slots**

void showEndMessage (TResult \*finalRes)

#### **Public Member Functions**

- MainWindow (QWidget \*parent=0)
- ∼MainWindow ()

#### 7.2.1 Constructor & Destructor Documentation

```
7.2.1.1 MainWindow::MainWindow ( QWidget * parent = 0 ) [explicit]
```

7.2.1.2 MainWindow::~MainWindow()

#### 7.2.2 Member Function Documentation

**7.2.2.1** void MainWindow::showEndMessage ( TResult \* finalRes ) [slot]

The documentation for this class was generated from the following files:

- src/qtypingtest/mainwindow.h
- src/qtypingtest/mainwindow.cpp

7.3 TLabel Class Reference 15

#### 7.3 TLabel Class Reference

```
#include <TLabel.h>
```

Inheritance diagram for TLabel:



#### **Public Member Functions**

- TLabel (QString text)
- TLabel (QString text, QWidget \*parent)
- virtual ∼TLabel ()
- bool nextWord ()
- bool updateLabelColor (QString wordTyped)
- int getNbrErrors ()
- QString getCurrentWord ()

#### 7.3.1 Constructor & Destructor Documentation

```
7.3.1.1 TLabel::TLabel ( QString text )
```

- 7.3.1.2 TLabel::TLabel ( QString text, QWidget \* parent )
- **7.3.1.3 virtual TLabel::**~**TLabel( )** [virtual]

#### 7.3.2 Member Function Documentation

- 7.3.2.1 QString TLabel::getCurrentWord ( )
- 7.3.2.2 int TLabel::getNbrErrors ( )
- 7.3.2.3 bool TLabel::nextWord ( )
- 7.3.2.4 bool TLabel::updateLabelColor ( QString wordTyped )

The documentation for this class was generated from the following file:

• src/qtypingtest/tline/TLabel.h

#### 7.4 TLine Class Reference

#include <Tline.h>

Inheritance diagram for TLine:

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#### **Public Slots**

- void typingAnswer (QString answer)
- void preventBadSelection ()

#### **Signals**

- void endedLine (TResult \*lineResult)
- void startedLine ()

#### **Public Member Functions**

- TLine (QWidget \*parent=0)
- TLine (QString model, QWidget \*parent)
- TLine (QString model)
- · void setFocus ()

#### 7.4.1 Constructor & Destructor Documentation

```
7.4.1.1 TLine::TLine ( QWidget * parent = 0 ) [explicit]
```

- 7.4.1.2 TLine::TLine ( QString model, QWidget \* parent )
- 7.4.1.3 TLine::TLine ( QString model )
- 7.4.2 Member Function Documentation

```
\textbf{7.4.2.1} \quad \textbf{void TLine::endedLine ( TResult * \textit{lineResult} \ )} \quad [\, \texttt{signal} \,]
```

- 7.4.2.2 void TLine::preventBadSelection() [slot]
- 7.4.2.3 void TLine::setFocus ( )
- $\textbf{7.4.2.4} \quad \textbf{void TLine::startedLine ( )} \quad [\, \texttt{signal} \,]$
- **7.4.2.5** void TLine::typingAnswer ( QString answer ) [slot]

The documentation for this class was generated from the following files:

- src/qtypingtest/tline/Tline.h
- src/qtypingtest/tline/Tline.cpp

#### 7.5 TLineEdit Class Reference

#include <TLineEdit.h>

Inheritance diagram for TLineEdit:



#### **Public Member Functions**

- TLineEdit (QWidget \*parent)
- TLineEdit (const TLineEdit &orig)
- virtual ~TLineEdit ()

#### 7.5.1 Constructor & Destructor Documentation

- 7.5.1.1 TLineEdit::TLineEdit ( QWidget \* parent )
- 7.5.1.2 TLineEdit::TLineEdit ( const TLineEdit & orig )
- **7.5.1.3 TLineEdit::**~TLineEdit() [virtual]

The documentation for this class was generated from the following files:

- src/qtypingtest/tline/TLineEdit.h
- src/qtypingtest/tline/TLineEdit.cpp

#### 7.6 TResult Class Reference

#include <TResult.h>

#### **Public Member Functions**

- TResult ()
- TResult (const TResult &base)
- virtual ∼TResult ()
- int getCorrectKeysStrokes () const
- int getWrongKeysStrokes () const
- int getCorrectWords () const
- int getWrongWords () const
- int getWPM ()
- void setCorrectKeysStrokes (int correctKeysStrokes)
- void setWrongKeysStrokes (int wrongKeysStrokes)
- void incrWrongKeyStrokes (int incrementation)
- void incrCorrectKeystrokes (int incrementation)
- int updateWPM (float deltaTime)
- int getTotalWords () const
- int getTotalKeysStokres () const
- TResult \* operator+ (const TResult &otherRes)
- TResult & operator+= (const TResult &otherRes)

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```
7.6.1 Constructor & Destructor Documentation
```

```
7.6.1.1 TResult::TResult ( )
7.6.1.2 TResult::TResult ( const TResult & base )
7.6.1.3 TResult::~TResult() [virtual]
7.6.2
       Member Function Documentation
       int TResult::getCorrectKeysStrokes( ) const [inline]
7.6.2.2
       int TResult::getCorrectWords ( ) const [inline]
7.6.2.3
       int TResult::getTotalKeysStokres ( ) const
       int TResult::getTotalWords ( ) const
7.6.2.4
       int TResult::getWPM( ) [inline]
7.6.2.5
7.6.2.6
       int TResult::getWrongKeysStrokes( ) const [inline]
7.6.2.7
       int TResult::getWrongWords ( ) const [inline]
7.6.2.8
       void TResult::incrCorrectKeystrokes ( int incrementation ) [inline]
7.6.2.9 void TResult::incrWrongKeyStrokes (int incrementation) [inline]
7.6.2.10 TResult * TResult::operator+ ( const TResult & otherRes )
7.6.2.11 TResult & TResult::operator+= ( const TResult & otherRes )
7.6.2.12 void TResult::setCorrectKeysStrokes (int correctKeysStrokes ) [inline]
7.6.2.13 void TResult::setWrongKeysStrokes (int wrongKeysStrokes ) [inline]
7.6.2.14 int TResult::updateWPM ( float deltaTime )
```

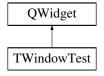
The documentation for this class was generated from the following files:

- src/qtypingtest/TResult.h
- src/qtypingtest/TResult.cpp

#### 7.7 TWindowTest Class Reference

#include <TWindowTest.h>

Inheritance diagram for TWindowTest:



#### **Public Slots**

- void nextLine (TResult \*previousScore)
- void beginExercice ()

#### **Signals**

void endOfExercice (TResult \*exeRes)

#### **Public Member Functions**

- TWindowTest ()
- TWindowTest (QString model, QWidget \*parent)
- virtual ∼TWindowTest ()

#### 7.7.1 Constructor & Destructor Documentation

```
7.7.1.1 TWindowTest::TWindowTest()
```

- 7.7.1.2 TWindowTest::TWindowTest ( QString model, QWidget \* parent )
- 7.7.1.3 TWindowTest::~TWindowTest() [virtual]

#### 7.7.2 Member Function Documentation

- **7.7.2.1** void TWindowTest::beginExercice() [slot]
- 7.7.2.2 void TWindowTest::endOfExercice ( TResult \* exeRes ) [signal]
- **7.7.2.3** void TWindowTest::nextLine ( TResult \* previousScore ) [slot]

The documentation for this class was generated from the following files:

- src/qtypingtest/TWindowTest.h
- src/qtypingtest/TWindowTest.cpp

#### 7.8 WordFinder Class Reference

```
#include <WordFinder.h>
```

#### **Public Member Functions**

- WordFinder ()
- WordFinder (const WordFinder &orig)
- virtual ∼WordFinder ()

#### 7.8.1 Constructor & Destructor Documentation

- 7.8.1.1 WordFinder::WordFinder()
- 7.8.1.2 WordFinder::WordFinder ( const WordFinder & orig )

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**7.8.1.3** WordFinder:: $\sim$ WordFinder( ) [virtual]

The documentation for this class was generated from the following files:

- src/util/WordFinder.h
- src/util/WordFinder.cpp

### **File Documentation**

- 8.1 .dep.inc File Reference
- 8.2 doxygen.txt File Reference
- 8.3 README.md File Reference
- 8.4 src/main.cpp File Reference

```
#include "qtypingtest/mainwindow.h"
#include <QApplication>
```

#### **Functions**

• int main (int argc, char \*argv[])

8.4.1 Function Documentation

8.4.1.1 int main ( int argc, char \* argv[] )

8.5 src/qtypingtest/mainwindow.cpp File Reference

```
#include "mainwindow.h"
```

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#### 8.6 src/qtypingtest/mainwindow.h File Reference

```
#include <QMainWindow>
#include <QVBoxLayout>
#include <QApplication>
#include <QVector>
#include <QFile>
#include <QDebug>
#include <QMessageBox>
#include "TWindowTest.h"
#include "tline/Tline.h"
```

#### Classes

· class MainWindow

#### **Namespaces**

• Ui

#### 8.7 src/qtypingtest/tline/TLabel.cpp File Reference

```
#include <qt5/QtWidgets/qlineedit.h>
#include <qt5/QtGui/qguiapplication.h>
#include "TLabel.h"
```

#### 8.8 src/qtypingtest/tline/TLabel.h File Reference

```
#include <QWidget>
#include <QLabel>
#include <QLineEdit>
#include <QDebug>
#include <QVector>
#include <QStringList>
#include <QSizePolicy>
#include <QHBoxLayout>
```

#### **Classes**

class TLabel

#### 8.9 src/qtypingtest/tline/Tline.cpp File Reference

```
#include <qt5/QtWidgets/qlineedit.h>
#include "Tline.h"
```

#### 8.10 src/qtypingtest/tline/Tline.h File Reference

```
#include <QWidget>
#include <QLineEdit>
#include <QVBoxLayout>
#include <QKeyEvent>
#include <QApplication>
#include <QValidator>
#include "../TResult.h"
#include "TLabel.h"
#include "TLineEdit.h"
```

#### Classes

class TLine

#### 8.11 src/qtypingtest/tline/TLineEdit.cpp File Reference

```
#include "TLineEdit.h"
```

#### 8.12 src/qtypingtest/tline/TLineEdit.h File Reference

```
#include <QWidget>
#include <QLineEdit>
```

#### **Classes**

class TLineEdit

#### 8.13 src/qtypingtest/TResult.cpp File Reference

```
#include "TResult.h"
```

#### 8.14 src/qtypingtest/TResult.h File Reference

#### Classes

class TResult

#### 8.15 src/qtypingtest/TWindowTest.cpp File Reference

```
#include "TWindowTest.h"
```

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#### 8.16 src/qtypingtest/TWindowTest.h File Reference

```
#include <QWidget>
#include <QList>
#include <QDebug>
#include <QTime>
#include "tline/Tline.h"
#include "TResult.h"
```

#### Classes

class TWindowTest

#### 8.17 src/util/KeyboardLetters.cpp File Reference

```
#include "KeyboardLetters.h"
```

#### 8.18 src/util/KeyboardLetters.h File Reference

```
#include <QString>
#include <QChar>
```

#### Classes

• class KeyboardLetters

#### 8.19 src/util/WordFinder.cpp File Reference

```
#include "WordFinder.h"
```

#### 8.20 src/util/WordFinder.h File Reference

#### Classes

class WordFinder

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