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Platform	S60 3rd Edition, FP1, FP2 S60 5th Edition	Tested on devices	Nokia 5800 XpressMusic
Category	Qt for Symbian	Subcategory	

Keywords (APIs, classes, methods, functions): QDateTime::currentDateTime(), QDate::currentDate(), QTime::currentTime()

Overview

This code snippets shows how to get current date and time of device. API **QDateTime::currentDateTime()** will returns the current date and time, as reported by the system clock, in the local time zone. The **QDate::currentDate()** will return the current date , as reported by the system clock, in the local time zone. The **QTime::currentTime()** will return the current time , as reported by the system clock, in the local time zone.

This snippet can be self-signed. As it does not use any API which require developer/certified signing.

Preconditions

- Download and Install latest version [Qt for Symbian - Installation packages](#) which has links on how to install the latest version

Headers required

```
#include <QDateTime>
```

Source

```
SystemTime::SystemTime(QWidget *parent)
    : QMainWindow(parent)
{
    setupUi(this);
    setWindowTitle("System Time");
    statusBar->showMessage("Showing system time");

//get current date
    QDate date(QDate::currentDate());
    QString dateString = date.toString();
    label->setText("Date: " + dateString);
```

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```
//get current time
    time_t time;
    QDateTime currentTime(QTime::currentTime());
    QString timeString = QDateTime::currentDateTime().toString("HH:mm:ss");
    label_u2->setText("Time: " + timeString);

//get current date and time
    QDateTime dateTime(QDate::currentDate(), QTime::currentTime());
    QString dateTimeString = QDateTime::currentDateTime().toString("MM/DD/YYYY HH:mm:ss");
    label_u3->setText("Date and Time: " + dateTimeString);
}
```

Postconditions

The code snippet is expected to show current date and time of device.



External links

- QDateTime: [Date and Time](#)
- QDate: [Date](#)
- QTime: [Time](#)

Code Example

- The [Code Example](#) will show current date and time on screen and example is tested on Nokia 5800 XpressMusic.