
Subject: Re: Ole Automation [FEATURE REQUEST?]

Posted by [koldo](#) on Fri, 16 Jan 2009 23:22:11 GMT

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Hello all

I am very happy to include in Bazaar the Automation library and a console demo.

It handles OpenOffice Calc and Writer and Microsoft Excel and Word.

I have prepared it thinking in simplicity. For example:

```
OfficeDoc doc;
```

```
if (OfficeDoc::IsAvailable("Open"))
    doc.Init("Open")
else if (OfficeDoc::IsAvailable("Microsoft"))
    doc.Init("Microsoft")
else
    return;
```

```
doc.SetFont("Arial", 14);
doc.SetBold(true);
doc.WriteText("Hello all!");
doc.SetFont("Arial", 12);
doc.SetBold(false);
doc.SetItalic(true);
doc.WriteText("\n\nNon me latet [To replace] nonnullos vestrum");
doc.Select();
doc.Replace("[To replace]", "replaced text");
```

```
doc.Print();
```

```
doc.SaveAs("FileDemo", "doc");
doc.Quit();
```

So with the same set of functions it manages OpenOffice and Microsoft Office transparently for the programmer.

The main classes declaration is like this:

```
class OfficeSheet
{
public:
    OfficeSheet();
    ~OfficeSheet();

    static bool IsAvailable(String type);
```

```

bool Init(char *type);

bool AddSheet(bool visible);
bool OpenSheet(String fileName, bool visible);

bool SetValue(int col, int row, Value value);
bool SetValue(String cell, Value value);
Value GetValue(int col, int row);
Value GetValue(String cell);
bool Replace(Value search, Value replace);

bool SetBold(int col, int row, bool bold);
bool SetBold(String cell, bool bold);
bool SetBold(bool bold);
bool SetFont(int col, int row, String name, int size);
bool SetFont(String cell, String name, int size);
bool SetFont(String name, int size);

bool Select(String range);
bool Select(int fromX, int fromY, int toX, int toY);
bool Select();

bool Print();

bool SaveAs(String fileName, String type = "xls");
bool Quit();
};

class OfficeDoc
{
public:
    OfficeDoc();
    ~OfficeDoc();

    static bool IsAvailable(char *program);

    bool Init(char *type);

    bool AddDoc(bool visible);
    bool OpenDoc(String fileName, bool visible);

    bool SetFont(String font, int size);
    bool SetBold(bool bold);
    bool SetItalic(bool italic);
    bool WriteText(String value);

    bool Select();

```

```
bool Replace(String search, String replace);

bool Print();

bool SetSaved(bool);
bool SaveAs(String fileName, String type = "doc");
bool Quit();
};
```

Unfortunately it only works in Windows (MinGW and MSC) using Ole Automation. As I have explained before the OpenOffice official interface called UNO has been too much for me until now.

Best regards
Koldo
