The Score DLL

An interactive score keeping system for Microsoft Multimedia Viewer 2.0

What Can Score Do.

Score allows you to add questions to your instructional multimedia title. If you are trying to convey information to the user score will allow you to test them on their knowledge and get a continually updated grade.

This grade is displayed in an embedded pane that you position on the viewer display. The score in this pane is updated by use of Viewer Macro Commands you register and call from your hot-spots.

This allows you to design any form of custom test using text or graphics. You control the presentation of the questions and score handles the grading calculations.

Score also supports the Sound Control Panel. The user can set any feedback sound to be played when a correct or incorrect choice is made or turn off feedback sounds from the Windows control panel.

Also See:
  Text Question Examples
  Graphic Question Example

How Does Score Work?

Score consists of three macro commands and one EWx command.
Take the following steps to use score in your title.

1) Copy the score DLL to your Viewer or Windows\System directory

2) Register the following commands in your **[CONFIG]** section.

```
RegisterRoutine(`score',`InitQCount',`US')
RegisterRoutine(`score',`CorrectQ',`US')
RegisterRoutine(`score',`Incorrect',`US')
```

3) Design your question screen and place the EWx command at the point you want your feedback to be displayed. The command syntax is :

```
(ewc score, ScoreWindow,tttt)
```

No parameters should ever need to be changed in the EW command.

4) Use a topic Entry Footnote (!) to issue the following command when your question is displayed. Only one question should be displayed per a topic.

```
InitQCount(hwndapp,qchPath)
```

This prevents someone from answering the same question twice without turning the page.

5) Once you have called InitQCount set up hot-text points for each of your responses to the question. For the correct answer call the following function:

```
CorrectQ(hwndapp,qchPath)
```

If the chosen response is incorrect call the following function.

```
IncorrectQ(hwndapp,qchPath)
```

6) If you would like a sound played in response to either of these functions place the following information in the WIN.INI file.

```
[Sounds]
KBCorrect=mycorr.wav,Correct Sound
KBIncorrect=myincorr.wav,Incorrect Sound
```

where the first entry is the name of a wave file and the second is the name of the sound as it will appear in the sound control panel. The user can change this sound my using the control panel as well. but its up to you to place the entry in the WIN.INI file even if the sound entry is blank.

Sample Text Question

What is the purpose of the strspn(s1,s2) function in the C programming language?

A) <u>Calculates the number of characters at the beginning of s1 that are all found in the string s2.</u>

B) <u>Calculates the number of characters at the beginning of s2 that are all found in the string s1.</u>

C) <u>Creates a new string which is composed of both s1 and s2.</u>

D) <u>None of the above.</u>

{ewc score, ScoreWindow,[FORECOLOR=65535][BACKCOLOR=16711680]}

You are Correct.

Incorrect.

Sample Text Question with Popups

What is the purpose of the strspn(s1,s2) function in the C programming language?

A) Calculates the number of characters at the beginning of s1 that are all found in the string s2.

B) Calculates the number of characters at the beginning of s2 that are all found in the string s1.

C) Creates a new string which is composed of both s1 and s2.

D) None of the above.
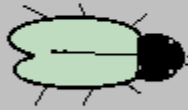
{ewc score, ScoreWindow,tttt}

You are Correct.

Incorrect.

Graphic Question

{ewc score, ScoreWindow,[FORECOLOR=16777215][BACKCOLOR=255]}

Correct. This is a ladybug.

Incorrect. Try again!

New Features

The following new features have been added to Score.

1. All response text has now been put into a resource string table. This will permit modification for international use. The text "%d Questions answered. %d percent correct" can be modified with a resource editor program but do not remove the %d characters as they are used to substitute the score numbers.

2. The foreground and background colors of the score main window. In the parameters part of the EW command you can include the following options:
[FORECOLOR=n] and [BACKCOLOR=n] where n is an RGB triple expressed as a decimal long. Example values for n are:

Color	n
Red	255
Green	65280
Blue	16711680
Yellow	65535
Dk Grey	8421504
Violet	16711935
White	16777215
Black	0

An example of a color score window would be:

[es xxx, xxxxxxxx[FORECOLOR=16711680]BACKCOLOR=16777215]]

Note: The commands must be spelled in upper case.

What will be added in the future?
Many people have expressed an interest in having score modified to provide the following features.

1) The ability to log in a user by name or social security number.
2) Score should keep a log of questions answered and final grades for students
3) It should not permit you to answer the same question twice in a session

These features have been added to the commercial version of score but are not available in this demo version.

If you have any further ideas for new capabilities for this extension please drop me a line via CompuServe at 71151,253 or Internet 71151.253@COMPUSERVE.COM.

Adding Score Commands to you Project Editor

To add score commands to your Viewer 2.0 Project Editor use the **NOTEPAD.EXE** program to open the file MVCMD.INI located in your Viewer development directory. Paste the following text into the **[Command]** section.

```
InitQCount(hwndapp,qchPath)
CorrectQ(hwndapp,qchPath)
IncorrectQ(hwndapp,qchPath)
```

For your convenience, listed below, is the text that should be pasted into your **[CONFIG]** section of the project using score commands.

```
RegisterRoutine(`score',`InitQCount',`US')
RegisterRoutine(`score',`CorrectQ',`US')
RegisterRoutine(`score',`Incorrect',`US')
```

Licensing Score for redistribution.

Keyboard Publishing owns and distributes score as part of its commercial Viewer products. We have made this product available to developers in the hopes of fostering development with Multimedia Viewer. This is a full, working version of the Score Viewer Extension.

You are welcome to use Score in your development and in house projects. If, however you wish to resell or distribute Score as part of a commercial package a license is required. Licensed versions of score do not display the copyright message in the score window. Please contact Keyboard Publishing at the address listed below for more information.

This product was conceived and developed by **William Reichardt**, an employee of Keyboard Publishing for Multimedia Viewer 1.0 and has been tested and been proven compatible with Viewer 2.0. Keyboard Publishing is not responsible for upgrading or supporting unlicensed customers. Inquiries and questions about this program should be directed via CompuServe Mail to our Technical Support Department.

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KEYBOARD
PUBLISHING

Tools for teaching, reference & self-study

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Other Viewer Extensions from Keyboard Publishing.

We are always interested in new ideas for Viewer extension products. If you or your company need custom development work for Viewer extensions please contact us.

We currently have the following products available for Viewer 2.0.

MVScript and The Viewer Commander
A command line/scripting environment for Multimedia Viewer. Allows you to use external script files to store Viewer Macro Commands. The files can later be enclosed in Baggage.

Transcriber
An end user development tool allowing the reader to create cross title custom browse sequences with annotations and save them to external files. Great for students. Will work with any Viewer title.

More products are in the works and will be available soon!