CARI Component Application
In Michigan

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Introduction

- CARI Recorder Component is a new function offered by Blaise in version 4.8.4

- It can be utilized when the built-in audio capabilities are inadequate
Background

1. CARI in Blaise 4.8.2 – Output Audio and Image files
   - U-M decided not to use the function. In Michigan, we would like to see interview process in video files for variety of reasons

2. DRI (Digital Recorded Interview) – U-M in house system produces video files. It has some limitations.
CARI Recorder Component

1. Blaise started to offer the component in Blaise 4.8.4. due to early input from U-M and other organizations.
2. Michigan helped to test, debug and stabilize the system.
3. U-M launched a major study with this new feature in 2013.
CARI Recorder Component (Cont.)

1. Blaise COM-interface
   - Defines a set of methods in which your own recorder object can support without dictating anything about the implementation.
   - COM is a language-neutral way of implementing objects.
   - It can be used with almost any programming languages including all .NET languages through .NET COM Interop.
Michigan CARI Recorder Component

1. Start/Stop Camtasia in Sample Management System
   - Launch Camtasia Recording
   - Handle video file renaming
   - Detect rendering process
   - Copy video files to their final location.
   - Implement different algorithms to select cases to be recorded
   - Update its database status upon exiting Blaise DEP
Michigan CARI Recorder Component

2. Create an ActiveX Library (DLL)
   - It is called by .BCI (Blaise CARI Setting Interface) file
   - Eight methods were provided by Blaise
   - We only need to implement three methods because most of Camtasia Recording programming is handled outside of Blaise
     - Start() to start or resume Camtasia recording,
     - Stop() to pause Camtasia recording,
     - ExitRecorder() to stop Camtasia recording when the DEP exits.
Set up BCI File (Parameters)
Set up BCI File (Fields)
Set up BCI File

3. Logging

The Recorder can keep track of all its actions in two different log files - a *Main* log file and a *Case* log file. We used the extent main log. The logging is very useful:

- It can be used to verify the CARI recording system to make sure the recording files contain the fields we defined in the .BCI file and vice versa.

- The timestamps and other start/stop information can be used for later quality control purpose, i.e., we use them to jump to recorded field locations.
Developing a Quality Control System for CARI
Conclusion

U-M launched several projects using this new CARI Component. We have already seen many advantages.

- DLL is simple to program.
- There is no need to change any Blaise source code.
- The output result is accurate – All fields in the BCI’s field list are in the video file.
- The log files can be used in various ways.
- The component can be easily adapted into different sample management system.
Summary

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Thank you!