

Management

Projects Symbols Files FSymbols Resources

Resources

- wxRenderTimerSmith
 - wxFrame
 - wxRenderTimerSmithFrame
 - wxFrame
 - wxButton: Button1
 - wxPanel: Panel1
 - Tools
 - File wxMenuBar: MenuBar1
 - &File
 - Help
 - wxStatusBar: StatusBar1
 - wxTimer: Timer1

wxRenderTimerSmithMain.cpp *wxRenderTimerSmithframe.wxw

Button

Standard Advanced Aui Contrib Dialogs KWIC Layout Led MathPlot Tools

{ }

Label	Start
Is default	<input type="checkbox"/>
Var name	Button1
Is member	<input checked="" type="checkbox"/>
Identifier	ID_BUTTON1
Class name	wxButton
Default pos	<input type="checkbox"/>
X	264
Y	304
Pos in dialog units	<input type="checkbox"/>
Default size	<input checked="" type="checkbox"/>
Width	-1
Height	-1
Size in dialog units	<input type="checkbox"/>
Validator	
Enabled	<input checked="" type="checkbox"/>
Focused	<input type="checkbox"/>
Hidden	<input type="checkbox"/>
Foreground	<input checked="" type="checkbox"/> Default
Background	<input checked="" type="checkbox"/> Default
Font	Click to edit

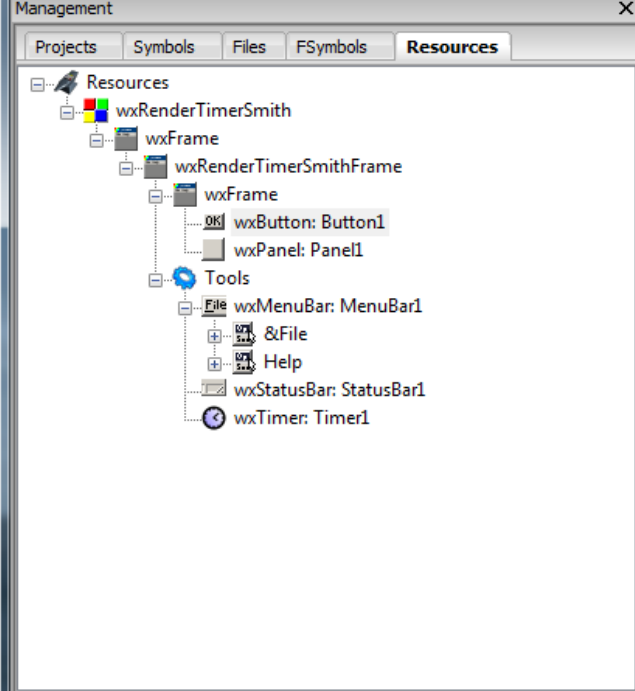
Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck CppCheck mes

```

Output file is bin\Release\wxRenderTimerSmith.exe with size 142.50 KB
Process terminated with status 0 (0 minute(s), 2 second(s))
0 error(s), 0 warning(s) (0 minute(s), 2 second(s))

----- Run: Release in wxRenderTimerSmith (compiler: GNU GCC Compiler)-----
Checking for existence: C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\bin\Release\wxRenderTimerSmith.exe
Executing: "C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\bin\Release\wxRenderTimerSmith.exe"
(in C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\.)
Process terminated with status 0 (0 minute(s), 6 second(s))
  
```

EVT_BUTTON OnButton1Click

Button event:
Start Timer

```
wxRenderTimerSmithMain.cpp  *wxRenderTimerSmithframe.wxs
119     wxPaintDC dc (Panel1);
120     //     render(dc);
121     // this is the code from the render function
122     // http://web.eng.fiu.edu/~watsonh/eel3160/ProgOfWeek/RenderTimer.cpp
123     // also have to include dc definitions - #include <wx/dcclient.h>
124
125     static int y = 0;
126     static int y_speed = 2;
127
128     y += y_speed;
129     if(y<0) y_speed = 2;
130     if(y>200) y_speed = -2;
131
132     dc.SetBackground( *wxWHITE_BRUSH );
133     dc.Clear();
134     dc.DrawText(wxT("Testing"), 40, y);
135
136
137 }
138
139
140 void wxRenderTimerSmithFrame::OnTimer1Trigger(wxTimerEvent& event)
141 {
142     Panel1->Refresh();
143 }
144
145 void wxRenderTimerSmithFrame::OnButton1Click(wxCommandEvent& event)
146 {
147     Timer1.Start(20, false);
148 }
149
150
```

Logs & others

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EVT_TIMER OnTimer1Trigger

Timer Tick event - Refresh the Panel

```
wxRenderTimerSmithMain.cpp *wxRenderTimerSmithframe.wxs
119 wxPaintDC dc (Panel1);
120 // render (dc);
121 // this is the code from the render function
122 // http://web.eng.fiu.edu/~watsonh/eel3160/ProgOfWeek/RenderTimer.cpp
123 // also have to include dc definitions - #include <wx/dcclient.h>
124
125 static int y = 0;
126 static int y_speed = 2;
127
128 y += y_speed;
129 if (y < 0) y_speed = 2;
130 if (y > 200) y_speed = -2;
131
132 dc.SetBackground( *wxWHITE_BRUSH );
133 dc.Clear();
134 dc.DrawText(wxT("Testing"), 40, y);
135
136
137 }
138
139
140 void wxRenderTimerSmithFrame::OnTimer1Trigger(wxTimerEvent& event)
141 {
142     Panel1->Refresh();
143 }
144
145 void wxRenderTimerSmithFrame::OnButton1Click(wxCommandEvent& event)
146 {
147     Timer1.Start(20, false);
148 }
149
150
```

Logs & others

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Process terminated with status 0 (0 minute(s), 6 second(s))

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Release

wxRenderTimerSmithFrame:: OnPanel1Paint(wxPaintEvent& event) : void

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 - wxStatusBar: StatusBar1
 - wxTimer: Timer1

Panel Paint Event
Code from HW7
RenderTimer.cpp

```

107 }
108
109 void wxRenderTimerSmithFrame::OnAbout(wxCommandEvent& event)
110 {
111     wxString msg = wxbuildinfo(long_f);
112     wxMessageBox(msg, _("Welcome to..."));
113 }
114
115
116 void wxRenderTimerSmithFrame::OnPanel1Paint(wxPaintEvent& event)
117 {
118     wxPaintDC dc(Panel1);
119     // render(dc);
120     // this is the code from the render function
121     // http://web.eng.fiu.edu/~watsonh/eel3160/ProgOfWeek/RenderTimer.cpp
122     // also have to include dc definitions - #include <wx/dcclient.h>
123
124
125     static int y = 0;
126     static int y_speed = 2;
127
128     y += y_speed;
129     if(y<0) y_speed = 2;
130     if(y>200) y_speed = -2;
131
132     dc.SetBackground(*wxWHITE_BRUSH);
133     dc.Clear();
134     dc.DrawText(wxT("Testing"), 40, y);
135
136
137 }
138
139

```

Create a device context

Logs & others

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0 error(s), 0 warning(s) (0 minute(s), 2 second(s))

----- Run: Release in wxRenderTimerSmith (compiler: GNU GCC Compiler)-----

Checking for existence: C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\bin\Release\wxRenderTimerSmith.exe
Executing: "C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\bin\Release\wxRenderTimerSmith.exe"
(in C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxRenderTimerSmith\.)
Process terminated with status 0 (0 minute(s), 6 second(s))

Windows (CR+LF) WINDOWS-1252 Line 116, Column 1 Insert Read/Write default

Management

Projects Symbols Files FSymbols R

Workspace

- wxRenderTimerSmith
 - Sources
 - wxRenderTimerSmithApp.cpp
 - wxRenderTimerSmithMain.cpp
 - Headers
 - wxRenderTimerSmithApp.h
 - wxRenderTimerSmithMain.h
 - Resources

```

1  /*****
2  * Name:      wxRenderTimerSmithMain.cpp
3  * Purpose:   Code for Application Frame
4  * Author:    Herman ()
5  * Created:   2014-04-07
6  * Copyright: Herman ()
7  * License:
8  *****/
9
10 #include "wxRenderTimerSmithMain.h"
11 #include <wx/msgdlg.h>
12 #include <wx/dcclient.h>
13
14 //(*InternalHeaders(wxRenderTimerSmithFrame)
15 #include <wx/intl.h>
16 #include <wx/string.h>
17 //*)
18
19 //helper functions
20 enum wxbuildinfoformat {
21     short_f, long_f };
22
23 wxString wxbuildinfo(wxbuildinfoformat format)
24 {
25     wxString wxbuild(wxVERSION_STRING);
26
27     if (format == long_f )
28     {
29         #if defined(__WXMSW__)
30             wxbuild << _T("-Windows");
31         #elif defined(__UNIX__)
32             wxbuild << _T("-Linux");
33         #endif
34
35         #if wxUSE_UNICODE
36             wxbuild << _T("-Unicode build");
37         #endif
38     }
39 }

```

Build log | Build messages | CppCheck | CppCheck messages | Cscope | Debugger | DoxyBlocks | Closed files list

File	Line	Message
C:\Users\watso...	125	error: expected ';' before 'dc'
C:\Users\watso...	133	error: 'dc' was not declared in this scope
=== Build failed: 3 error(s), 0 warning(s) (0 minute(s), 2 second(s)) ===		

Management

Symbols Files FSymbols Resources

- Resources
 - wxPracticeRenderTimer
 - wxFrame
 - wxPracticeRenderTimerFrame
 - wxFrame
 - wxPanel: Panel1
 - wxButton: Button1
 - Tools
 - File wxMenuBar: MenuBar1
 - wxStatusBar: StatusBar1
 - wxTimer: Timer1

```
105 {
106     Close();
107 }
108
109 void wxPracticeRenderTimerFrame::OnAbout(wxCommandEvent& event)
110 {
111     wxString msg = wxbuildinfo(long_f);
112     wxMessageBox(msg, _("Welcome to..."));
113 }
114
115 void wxPracticeRenderTimerFrame::OnPanel1Paint(wxPaintEvent& event)
116 {
117     wxPaintDC dc(Panell);
118     static int y = 0;
119     static int y_speed = 2;
120
121     y += y_speed;
122     if(y<0) y_speed = 2;
123     if(y>200) y_speed = -2;
124
125     dc.SetBackground( *wxWHITE_BRUSH );
126     dc.Clear();
127     dc.DrawText(wxT("Testing"), 40, y);
128 }
129
130
131 void wxPracticeRenderTimerFrame::OnButton1Click(wxCommandEvent& event)
132 {
133     Timer1.Start(20, false);
134 }
135
136 void wxPracticeRenderTimerFrame::OnTimer1Trigger(wxTimerEvent& event)
137 {
138     Panell->Refresh();
139 }
140
```

EVT_PAINT	OnPanel1Paint
EVT_ERASE_BACKGROUND	-- None --
EVT_KEY_DOWN	-- None --
EVT_KEY_UP	-- None --
EVT_CHAR	-- None --
EVT_SET_FOCUS	-- None --
EVT_KILL_FOCUS	-- None --
EVT_LEFT_DOWN	-- None --
EVT_LEFT_UP	-- None --
EVT_LEFT_DCLICK	-- None --
EVT_MIDDLE_DOWN	-- None --
EVT_MIDDLE_UP	-- None --
EVT_MIDDLE_DCLICK	-- None --
EVT_RIGHT_DOWN	-- None --
EVT_RIGHT_UP	-- None --
EVT_RIGHT_DCLICK	-- None --
EVT_MOTION	-- None --
EVT_ENTER_WINDOW	-- None --

Logs & others

- Code::Blocks
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- Cccc
- Build log
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- CppCheck
- CppCheck messages
- Cscope

```
----- Run: Release in wxPracticeRenderTimer (compiler: GNU GCC Compiler)-----
Checking for existence: C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxPracticeRenderTimer\bin\Release\wxPracticeRenderTimer.exe
Executing: "C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxPracticeRenderTimer\bin\Release\wxPracticeRenderTimer.exe" (in C:\Users\watsonh\Documents\Incoming\CodeBlocks\wxPracticeRenderTimer\.)
```