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iOS Question Webview.PrintHTML in B4i

StephanP82 · Mar 6, 2020

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StephanP82

Member Licensed User

Mar 6, 2020

#1

Do exists an real alternative for Webview.PrintHTML in B4i?

I've tried with Canvas.InitializePDF and then draw the Webview to the file but depending on the screen resolution of the device I had to zoom the Webview to get all of its content visible on the drawn screenshot. So I'm unable to test and set a zoom level for every screen size because I don't have a real iOS device and the simulator don't returns the real screen sizes.

Any ideas for a better solution?



Erel

Administrator Staff member Licensed User

Mar 8, 2020

#2

What exactly are you trying to print?



StephanP82

Member **Licensed User**

Mar 8, 2020

#3

It's a self written HTML form containing a large table and texts. I've chosen a HTML file instead of a B4X Table because it's needed to zoom and to merge some cells.

Here's what i actually do:

```
B4X:
1 Dim oCanvas As Canvas
2 Dim Rect As Rect
3
4 PrintMode = True
5 SaveSettingsToDB(True)
6 PaintHtml(SelectedMonth, SelectedYear) '<- that builds the h
7
8 Rect.Initialize(10, 20, 595, 842)
9 oCanvas.InitializePDF(File.DirDocuments, FileName, 595, 842)
10 oCanvas.DrawView(WW_Webview, Rect)
11 oCanvas.Release
12
13 DocInteraction.Initialize("DocInteraction", File.DirDocument
14 DocInteraction.PreviewFile(Page1)
```

It views the document in the preview but its only a part of the html table. So I've tried to zoom out the webview before to get all the content visible but depending on the screen resolution of the device many different zoom levels were needed. My next try will be to change the HTML code at PrintMode to fill the HTML table to the height of the screen.

It's just a bad workarround. I only want to get the HTML table to the preview and to print it in full A4 size.



Erel

Administrator **Staff member** **Licensed User**

Mar 8, 2020

 #4

You can probably style it with CSS and make it fill the whole page.



StephanP82

Member Licensed User

Mar 15, 2020

 #5

Yes, I've already thought about that. I'm not familiar with CSS, but I'll take a look at it. Thank you.



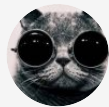
IerneBasic4Android

Member Licensed User

Today at 7:28 AM

 #6

Hi Stephan, did you find a way to style the document for printing? I am currently facing the same problem and would be interested in your solution. Thanks, Thomas



Semen Matusovski

Well-Known Member Licensed User

There are some examples on stackoverflow.

For example, add to the bottom of Main following code

```

B4X:
1  #If OBJC
2  #define kPaperSizeA4 CGSizeMake (595.2, 841.8)
3  - (void) createPDF: (UIWebView *) wkWebView : (NSString *) path
4  {
5      UIGraphicsPageRenderer * render = [[UIGraphicsPageRenderer alloc] initWithPageRenderer: wkWebView.viewPrintFormatter startingPage: 1];
6      [render addPrintFormatter: wkWebView.viewPrintFormatter startingPage: 1];
7      // set these values according to your requirement
8      float topPadding = 72.0f;
9      float bottomPadding = 42.0f;
10     float leftPadding = 72.0f;
11     float rightPadding = 42.0f;
12     CGRect printableRect = CGRectMake (leftPadding, topPadding, kPaperSizeA4.width - leftPadding - rightPadding, kPaperSizeA4.height - topPadding - bottomPadding);
13     CGRect paperRect = CGRectMake (0, 0, kPaperSizeA4.width, kPaperSizeA4.height);
14     [render setValue: [NSValue valueWithCGRect:paperRect] forKey: @"pageRect"];
15     [render setValue: [NSValue valueWithCGRect:printableRect] forKey: @"printableRect"];
16     NSMutableData *pdfData = [NSMutableData data];
17     UIGraphicsBeginPDFContextToData (&pdfData, paperRect, nil);

```

After WebView1_PageFinished event call this subroutine:

```

B4X:
1  Dim no As NativeObject = Me
2  no.RunMethod ("createPDF::", Array (WebView1, File.Combine (File.Dir

```

This code assumes A4 with 1 dime padding from left and top, 0,6 dime from right and bottom. Of course, you can change paper size and padding.

A code is very old (written 5-6 years ago). And it works up to now (I tested in IOS 14 simulator).

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