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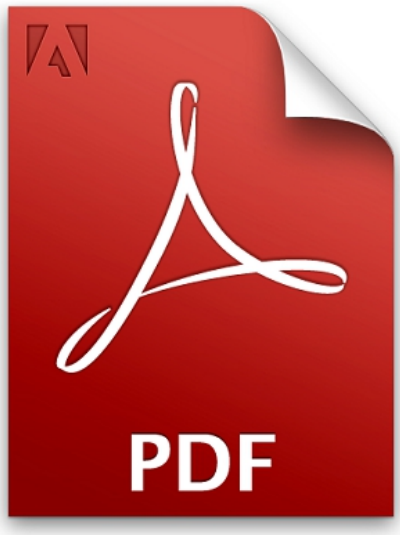
MarkdownToPdf



Convert markdown document to html/pdf using VisualBasic in a super easy way! This is a small VB.NET wrapper utility around `wkhtmltopdf` console tool. You can use it to easily convert Markdown/HTML reports to PDF.

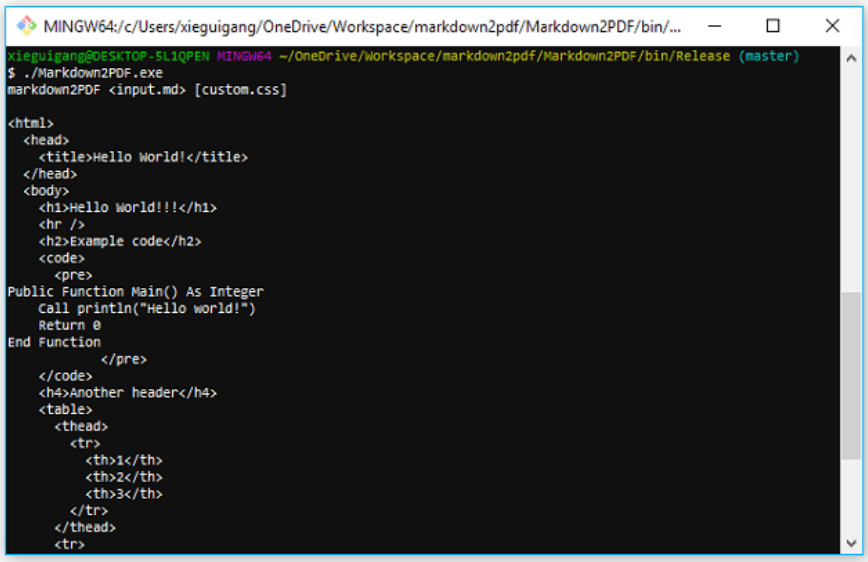
> `wkhtmltopdf` cli wrapper code translate from https://github.com/codaxy/wkhtmltopdf.

Feature

- [x] Convert markdown/html document to PDF
- [ ] Custom CSS style supports. (Works in progress)

How to install

- Clone the source code in this repository
- Open in VisualStudio 2017 and restore the nuget package `sciBASIC#`
- compile
- Extract `wkhtmltopdf` binary distributes from `./dist/wkhtmltopdf.7z` package to app release folder
- Run app in **cmd/bash** or shell scripting for batch converts of the PDF documents.



Usage

First of all, please make sure the encoding of your console is UTF8. Utf8 encoding is the default encoding of the html document:

```
Console.InputEncoding = Encoding.UTF8
```

Convert: from URL source

```
PdfConvert.Environment.Debug = False
PdfConvert.ConvertHtmlToPdf(New PdfDocument With {
.Url = "input.html"
}, New PdfOutput With {
.OutputFilePath = "output.pdf"
})

PdfConvert.ConvertHtmlToPdf(New PdfDocument With {
.Url = "input.html",
.HeaderLeft = "[title]",
.HeaderRight = "[date] [time]",
.FooterCenter = "Page [page] of [topage]"
}, New PdfOutput With {
.OutputFilePath = "output.pdf"
})
```

Convert: given html content

```
PdfConvert.ConvertHtmlToPdf(New PdfDocument With {
.Html = "<html><h1>test</h1></html>"
}, New PdfOutput With {
.OutputFilePath = "inline.pdf"
})
PdfConvert.ConvertHtmlToPdf(New PdfDocument With {
.Html = "<html><h1>測試</h1></html>"
}, New PdfOutput With {
.OutputFilePath = "inline_cht.pdf"
})
```

Demo: hello world

Actually, you can construct a html document content from `XElement` directly in your VB code:

```
' In this case, we use HTMLDocument object instead of PdfDocument object
Dim html As New HTMLDocument With {
.HTML =
<html>
    <head>
        <title>Hello World!</title>
    </head>
    <body>
        <h1>Hello World!!!</h1>
        <hr/>
        <h2>Example code</h2>
        <code>
            <pre>
                Public Function Main() As Integer
                    Call println("Hello world!")
                    Return 0
                End Function
            </pre>
        </code>
        <h4>Another header</h4>
        <table>
            <thead>
                <tr>
                    <th>1</th>
                    <th>2</th>
                    <th>3</th>
                </tr>
            </thead>
            <tr>
                <td>a</td>
                <td>b</td>
                <td>c</td>
            </tr>
        </table>
        <footer style="position:fixed; font-size:.8em; text-align:right; bottom:0px; margin-left:-25px; height:20px; width:100%;">
            Here is the PDF document footer.
        </footer>
    </body>
</html>
}
Call println(html.GetDocument)
Call PdfConvert.ConvertHtmlToPdf(html, App.HOME & "/hello-world.pdf")
```

CLI Usage

```
# markdown2pdf
markdown2pdf ./input.md
# Due to the reason of markdown parser is compatible with html format,
# so that convert from a html file is also works fine!
markdown2pdf ./input.html
```

Dependence

sciBASIC

```
# http://github.com/xieguigang/sciBASIC
# install via nuget
PM> Install-Package sciBASIC -Pre
```

Licence

This project is available under MIT Licence.

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