How to create a pdf file on vb .net

**Step 1: create a project of the type windows form App C sharp .Net**

For demonstration purposes, we will be creating a project of the type windows form app (.Net Framework)

**Follow the steps below to create a new project**

* Launch visual studio 2022 and select the option to create a new project
* Select project template as windows form app (.Net Framework) for C Sharp and click on the Next button.
* Specify the project name, select location to save the project to, select framework as .Net Framework 4.8 and click on create button.
* The project should get created and loaded in the visual studio for modifications.

**Step 2: Add Reference to PDF sharp library**

To create pdf file in C Sharp we will be using the pdf sharp library so you need to add a reference to this library in the project. Here is how to add reference to a pdf sharp library.

* Right-click on the project file in solution Explorer and select the menu option Manage NuGet Packages.
* Next search for pdf sharp under the browse tab in the NuGet Management screen and after locating the required library that is the pdfSharp, select and install the stable version of the pdfSharp library.
* The abovr step should add reference to the required pdfSharp libraries in the project.

**Step 3: Add code to Generate PDF using PDF Sharp.**

To create pdf file in C Sharp .Net, we need to add code to create a pdf file using the pdf library. For demonstration purposes, we will be creating a sample pdf file that contains the text ‘Student Login’ and the name of the pdf file as StudentLogin.pdf. You can also specify where you want the path to be saved.

To add code for PDF creation, we will follow the below steps

* Add a button on the default win form(form1.cs) created with the project and name the button as it as generate pdf.
* Add the below code to create pdf file in C Sharp in the click event of the button.

**CODE**

//Create PDF Document

PdfDocument document = new PdfDocument();

//You will have to add page in PDF Document

PdfPage page = document. AddPage();

//For Test you will have to define font to be used

XFont font = new XFont (‘Verdana’ , 20, XFontStyle.Bold);

//Finally use XGraphics and font object to draw text in PDF Page

Gfx. DrawString (‘My First PDF Document’ , font , XBrushes, Black,

New XRect (0, 0, page.width, page.Height), XStringFormats. Center);

//Specify file name of the PDF file

String filename = ‘FirstPDFDocument.pdf’;

//Save PDF File

Document. Save(filename);

//Load PDF File for viewing

Process.Start(filename);

* You will also have to include namespaces for PDFSharp Library and Diagnostics. Add the below code at the top in Form1.cs to import the required namespaces.

Using PDFSharp.Drawing;

Using PDFSharp.Pdf;

Using System.Diagnostics;

**Step 4: Run and Test the Code**

* Press F5 to compile and run our code. This should launch the Form with Generate PDF button
* Click on Generate PDF button, It will execute the code we added on the click event of the button to create Pdf file in C Sharp
* On successful execution of the code in the click event of a button, a PDF file with the specified name FirstPDFDocument.pdf will be created in the bin/desktop/debug folder and will be loaded in the PDF viewer.

**STEP 5: View Generated PDF File**

Now that the Pdf file jwas created and loaded in PDF Viewer you should be able to view the pdf file.