

# Adding PDF Features Sample Code

## Using PDF Xpress™

This C# source code demonstrates how Pegasus Imaging's PDF Xpress .NET toolkit performs the following operations:

- 1) Create a PDF
- 2) Add a TIFF
- 3) Add, delete & modify content
- 4) Saves as one PDF

Please download the PDF Xpress toolkit from [www.pegasusimaging.com](http://www.pegasusimaging.com) prior to getting started.

```
PegasusImaging.WinForms.PdfXpress2.PdfXpress pdfXpress = null;
PegasusImaging.WinForms.PdfXpress2.BookmarkContext rootBookmarkContext = null

try
{
    //Create the PDFXpress object
    pdfXpress = new PegasusImaging.WinForms.PdfXpress2.PdfXpress();
    //Initialize the PDFXpress object
    pdfXpress.Initialize();

    System.String inputFilename = "C:\\autorotate.tif";
    System.String outputFilename = "C:\\outputpdffile.pdf";

    // Create the output PDF document
    PegasusImaging.WinForms.PdfXpress2.Document outputDocument = new PegasusImaging.WinForms.PdfXpress2.Document();

    // Create the output page
    PegasusImaging.WinForms.PdfXpress2.PageOptions pageOptions;
    pageOptions = new PegasusImaging.WinForms.PdfXpress2.PageOptions();
    outputDocument.CreatePage(-1, pageOptions);
    //Create a bookmark and add to the document
    BookmarkContext rootBookmarkContext = outputDocument.GetBookmarkRoot();
    outputDocument.AddBookmarkChild(rootBookmarkContext, "PDFXpressBookMark", 0);

    // Create the location of the image on the page
    double destinationX = 0.25 * 72.0; // Quarter inch margins around image
    double destinationY = 0.25 * 72.0;
    double destinationWidth = pageOptions.MediaWidth - 0.5 * 72.0;
    double destinationHeight = pageOptions.MediaHeight - 0.5 * 72.0;

    // Define the image fit
    PegasusImaging.WinForms.PdfXpress2.ImageFitSettings destinationFit;
    destinationFit = new PegasusImaging.WinForms.PdfXpress2.ImageFitSettings();
    destinationFit |= PegasusImaging.WinForms.PdfXpress2.ImageFitSettings.Shrink;

    // Add the image to the output page
    outputDocument.AddImage(0, destinationX, destinationY, destinationWidth, destinationHeight, destinationFit, inputFilename, 0);
    // Save the output PDF document
    PegasusImaging.WinForms.PdfXpress2.SaveOptions saveOpt;
    saveOpt = new PegasusImaging.WinForms.PdfXpress2.SaveOptions();
    saveOpt.FileName = outputFilename;
    outputDocument.Save(saveOpt);
}
catch (PegasusImaging.WinForms.PdfXpress2.PdfXpressLibraryException ex)
{
}
finally
{
    if (rootBookmarkContext != null) rootBookmarkContext.Dispose();
    if (null != pdfXpress) pdfXpress.Dispose();
}
}
```



For more information, demos, and full-featured trial downloads visit our website at [www.pegasusimaging.com](http://www.pegasusimaging.com).