**Project PDF Files Upload and Download Summary**

This project runs separately to the main website but is connected through the database.

This project is in the Project PDF UploadDownload folder.

The main code is in the Default.aspx.cs file, coded in C#

The first method connects the page to the database by calling the connection string to the database that is in the Web.config file

The Upload button is connected to the Button1\_Click method which checks if a file has been uploaded, and if it is a PDF file. If both are true, then it gets the filename, extension, type and adds it into the PDFFiles table in the database.

The View files button is connected to the Button2\_Click method which queries the PDFfiles table.

The GridView1\_SelectedIndexChanged pulls the project files from the database and presents them in a viewable, downloadable format.

The Default.aspx file is the visual for the page.

The Web.config file is what contains the connection string which can be changed to link to any database.

The PDFFiles sql file is a table which must be created in the database for the files uploaded to be stored there. The Project\_ID must be manually entered for each file uploaded.

**README for PDF Uploader**

PDF Upload/Download Solution:

The Project PDF UploadDownload solution is in the "Project PDF UploadDownload" folder. It must be run alongside the main solution.

A table for the files is required in the database which can be created with the following query, or copied from the:

CREATE TABLE [dbo].[PDFFiles] (

[id] INT IDENTITY (1, 1) NOT NULL,

[name] VARCHAR (50) NULL,

[type] NVARCHAR (200) NULL,

[Project\_ID] INT NULL,

[data] VARBINARY (MAX) NULL

FOREIGN KEY ([Project\_ID]) REFERENCES [dbo].[Projects] ([Project\_ID])

);

To connect the website to the database, the connection string needs to be edited in the Web.config file

to point to your database.

<connectionStrings>

<add name="pdfconn" connectionString="Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\PMO\Desktop\Capstone20\_Database.mdf;Integrated Security=True;Connect Timeout=30"/>

</connectionStrings>

Replace "Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\PMO\Desktop\Capstone20\_Database.mdf;Integrated Security=True;Connect Timeout=30"

with your connection string.

After uploading files, the project ID must be added manually to the PDFFiles table for each project in the database.

**Links:**

Following links are for the PDF upload/download solutions I used for research:

Uploading download/PDF, in ASP.net and C#, mostly used this solution

https://www.c-sharpcorner.com/UploadFile/0c1bb2/uploading-and-downloading-pdf-files-from-database-using-asp/

https://www.aspsnippets.com/Articles/Upload-and-Download-files-from-SQL-Server-Database-in-ASPNet.aspx

This one allows display in browser, but it was not working with our solution

https://www.aspsnippets.com/Articles/Retrieve-and-display-PDF-Files-from-database-in-browser-in-ASPNet.aspx

Database upload/download specifically for images

https://www.codejava.net/coding/upload-files-to-database-servlet-jsp-mysql