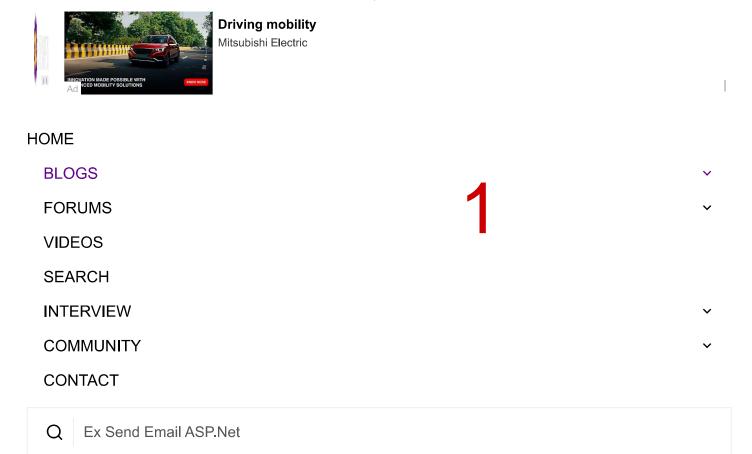
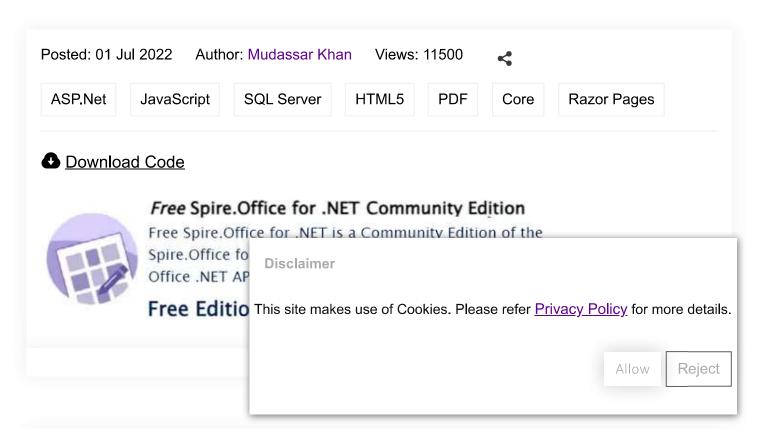
حضرت خواجہ سیدنا معین الدین حسن چشتی سنجاری اجمیری رحمۃ الله علیہ



# ASP.Net Core Razor Pages: Display PDF files from Database in View



In this article I will explain with an example how to upload and display PDF files from Database

## PDF.js plugin

The PDF file will be displayed (rendered) in Browser using PDF.js JavaScript plugin.

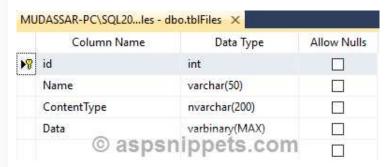
The following files of PDF.js JavaScript plugin will be used.

- 1. pdf\_viewer.min.css
- 2. pdf.min.js
- 3. pdf.worker.min.js

2

#### **Database**

This article makes use of a table named tblFiles whose schema is defined as follows.



Note: You can download the database table SQL by clicking the download link below.

<u>Download SQL file</u>

### **Namespaces**

You will need to import the follo

using System.IO; using System.Data.SqlCl using System.Collection using Microsoft.AspNet(

using Microsoft.Extens:

Disclaimer

This site makes use of Cookies. Please refer Privacy Policy for more details.

Allow Reject

the records of the Files from database.

```
public class FileModel
{
    public int Id { get; set; }
    public string Name { get; set; }
    public string ContentType { get; set; }
    public byte[] Data { get; set; }
}
```

## Razor PageModel (Code-Behind)

The <u>PageModel</u> consists of three Handler methods.

Handler method for handling GET operation

Inside this Handler method, the GetFiles method is called and the public property Files is set.

Inside the <u>GetFiles</u> method, the records from the <u>tblFiles</u> table are fetched using DataReader and generic list of <u>FileModel</u> class objects is populated.

Note: For details about reading Connection String from <u>AppSettings.json</u>, please refer my article, <u>.</u> <u>Net Core: Read Connection String from AppSettings.json file</u>.

Finally, the generic list of FileModel public property is returned to the Razor Page.

Handler method for handling POST operation for uploading Files

This Handler method gets called when a File is selected and the <u>Upload</u> Button is clicked, and it

pets the uploaded file in the IFC

Note: In case the IFormFile paragree ore: IFormFile always returns

This site makes use of Cookies. Please refer Privacy Policy for more details.

The uploaded file is converted inserted into the database table

After successful insert of the File, RedirectToPage is called which redirects to the IndexModel Get

When the <u>View</u> Link inside the HTML Table (Grid) is clicked, then the ID of the particular PDF file is sent to this Handler method and using the File ID, the File's binary data is fetched from the database.

Note: The following Handler method performs File display and hence the return type is set to <u>Json Result</u>. For more details, please refer my article <u>Using jQuery AJAX in ASP.Net Core Razor Pages</u>.

Finally, JSON is returned back to the jQuery AJAX function.

```
public class IndexModel : PageModel
    public List<FileModel> Files { get; set; }
    private IConfiguration Configuration;
    public IndexModel(IConfiguration configuration)
        Configuration = configuration;
    }
    public void OnGet()
        this.Files = this.GetFiles();
    }
    public IActionResult OnPostUploadFile(IFormFile postedFile)
    {
        string fileName = Path.GetFileName(postedFile.FileName);
        string contentType = postedFile.ContentType;
        using (MemorySt
                         Disclaimer
            postedFile
                        This site makes use of Cookies. Please refer Privacy Policy for more details.
             string con
nn");
                                                                   Allow
                                                                          Reject
            using (Sql
```

```
string query = "INSERT INTO tblFiles VALUES (@Name, @Con
```

```
cmd.Parameters.AddWithValue("@Name", fileName);
                     cmd.Parameters.AddWithValue("@ContentType", contentT
ype);
                     cmd.Parameters.AddWithValue("@Data", ms.ToArray());
                     con.Open();
                     cmd.ExecuteNonQuery();
                     con.Close();
             }
        }
        return RedirectToPage("Index");
    }
    public JsonResult OnPostGetPDF(int fileId)
        byte[] bytes;
        string fileName, contentType;
        string constr = this.Configuration.GetConnectionString("MyCon
n");
        using (SqlConnection con = new SqlConnection(constr))
        {
            using (SqlCommand cmd = new SqlCommand())
                 cmd.CommandText = "SELECT Name, Data, ContentType FROM t
blFiles WHERE Id=@Id";
                 cmd.Parameters.AddWithValue("@Id", fileId);
                 cmd.Connection = con;
                 con.Ope
                         Disclaimer
                 using
                 {
                        This site makes use of Cookies. Please refer Privacy Policy for more details.
                     sd:
                     by:
                                                                  Allow
                                                                          Reject
                     COI
                     fi.
```