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Codes

C# JavaScript, JQUERY, CSS, HTML

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# Images

## Images with HTML

### Open image in new window

<td class="text-center">

<**a** href="~/Files/@(item.FileName)" target="\_blank">View File</**a**>

</td>

### Iframe Image

<td>

<iframe target="~/Files/@(item.FileName)" class="w-100 mh-100 embed-responsive-item modal-lg" width="1000"></iframe>

</td>

## Retrieve Image from Network

public IActionResult Download(string NAME, string PATH)

{

if (!string.IsNullOrEmpty(NAME) && !string.IsNullOrEmpty(PATH))

{

string sourceDir = PATH + "\\" + NAME;

byte[] FileBytes = System.IO.File.ReadAllBytes(sourceDir);

return File(FileBytes, "application/pdf");

}

else

{

TempData["TableMessage"] = "Missing File Information";

return View("GetTable");

}

## }

# Busy Spinner

## Spinning Loading

### JS

function displayBusyIndicator() {

document.getElementById("loading").style.display = "block";

}

### HTML

<div class="d-flex justify-content-center ">

<div class="spinner-border text-primary mb-3"

style="width: 6rem; height: 6rem; display: none"

role="status" id="loading">

<br />

<span class="sr-only ms-2"> Loading...</span>

</div>

</div>

# Connection String

## IConfiguration

### String for the class

private IConfiguration connString = new ConfigurationBuilder().SetBasePath(Directory.GetCurrentDirectory()).AddJsonFile("appsettings.json").Build();

### String for the method

string config = connString.GetConnectionString("BMTWMS")!;

# DB C# Commands:

## Get from DB with Stored Procedure

### DB Command

public string GetLastEntryByUser(string username1)

{

string username = username1;

string config = OeDbConnection();

string? result = "";

using (SqlConnection connection = new SqlConnection(config))

{

SqlCommand command = connection.CreateCommand();

command.CommandType = CommandType.StoredProcedure;

command.CommandText = "spr\_LastEntry";

command.Parameters.AddWithValue("@RequestedBy", username);

command.Parameters.Add("@OutputMessage", SqlDbType.VarChar, 50).Direction = ParameterDirection.Output;

connection.Open();

command.ExecuteNonQuery();

result = command.Parameters["@OutputMessage"].Value.ToString();

connection.Close();

}

return result;

}

### Controller

var OElist = requestmanager.GetViewOERequest(id, username, abrv);

### Stored Procedure

Create or ALTER procedure [dbo].[spr\_LastEntry]

@RequestedBy varchar (50),

@OutputMessage varchar (50) output

as

begin

declare @rowcount int = 0,

@value varchar (15)= (select convert(varchar(10),max(RequestID)) from TblRequests where RequestedBy = @RequestedBy);

begin try

set @rowcount = (select count(1) from dbo.TblRequests where RequestedBy = @RequestedBy)

if(@rowcount > 0)

begin

begin tran

set @OutputMessage = @value

commit tran

end

else

begin

set @OutputMessage = 0

end

end try

begin catch

rollback tran

set @OutputMessage = error\_message()

end catch

end

# FireBird SQL Commands:

## Connect with Firebird directly

### Select returning one value

public int FindMaxAttachmentNumber()

{

int value = 0;

string config = connString.GetConnectionString("BMTWMS")!;

List<JobModel> listOfOERequest = new List<JobModel>();

using (FbConnection connection = new FbConnection(config))

{

connection.Open();

using (FbCommand command = new FbCommand("SELECT MAX(ATTACHMENT\_ID) as ATTACHMENT\_ID FROM JOB\_ATTACHMENTS ", connection))

{

using (FbDataReader reader = command.ExecuteReader())

{

while (reader.Read())

{

value = reader.GetInt32(0);

return value;

}

return value;

}

}

}

}

## Select returning table

### GetTable from DB

public List<JobModel> GetJobNumberByAddress(string Address)

{

string varAddress = Address.ToUpper().Replace("\*","").Replace("$", "").Replace("^", "").Replace("(", "").Replace(")", "").Trim();

string config = connString.GetConnectionString("BMTWMS")!;

List<JobModel> listOfOERequest = new List<JobModel>();

DataTable dt = new DataTable();

FbDataAdapter da = new FbDataAdapter(

"select AREA.AREA\_DESC AS DESC, " +

"JOB.JOB\_NUMBER AS JOB\_NUMBER, " +

"JOB.SITEADDRESS1 AS SITEADDRESS1, " +

"JOB.HEADING1 AS OWNERNAME, " +

"JOB\_ATTACHMENTS.PATH, " +

"JOB\_ATTACHMENTS.NAME, " +

"DOCTYPES.DOCTYPE " +

"FROM JOB " +

"INNER JOIN AREA on AREA.AREA\_ID = JOB.AREA\_ID " +

"INNER JOIN JOB\_ATTACHMENTS on JOB\_ATTACHMENTS.JOB\_NUMBER = JOB.JOB\_NUMBER " +

"LEFT JOIN DOCTYPES on DOCTYPES.DOCTYPE\_ID = JOB\_ATTACHMENTS.DOCTYPE\_ID " +

"where UPPER(JOB.SITEADDRESS1) = '" + varAddress + "'"

, config);

da.Fill(dt);

da.Dispose();

foreach (DataRow dr in dt.Rows)

{

listOfOERequest.Add(new JobModel

{

JOBNUMBER = (dr["JOB\_NUMBER"] is not DBNull) ? dr["JOB\_NUMBER"].ToString() : null,

Ownername = (dr["OWNERNAME"] is not DBNull) ? dr["OWNERNAME"].ToString() : null,

Address = (dr["SITEADDRESS1"] is not DBNull) ? dr["SITEADDRESS1"].ToString() : null,

Community = (dr["DESC"] is not DBNull) ? dr["DESC"].ToString() : null,

PATH = (dr["PATH"] is not DBNull) ? dr["PATH"].ToString() : null,

NAME = (dr["NAME"] is not DBNull) ? dr["NAME"].ToString() : null,

DOCTYPE = (dr["DOCTYPE"] is not DBNull) ? dr["DOCTYPE"].ToString() : null,

DOCTYPE\_ID = Convert.ToInt32(dr["ATTACHMENT\_ID"]),

});

}

return listOfOERequest;

}

### TableCall

public List<JobModel> GetTableSelection(string Jobs)

{

string varJobs = Jobs.ToUpper().Replace(";", "").Replace("$", "").Replace("%", "").Replace("^", "")

.Replace("\*", "").Replace("(", "").Replace(")", "").Replace(" ", "").Replace("-", "").Replace("\_", "")

.Trim();

List<JobModel> jobs = GetJobSearch(varJobs);

List<JobModel> jobList = (

from job in jobs

select new JobModel

{

JOBNUMBER = job.JOBNUMBER,

Address = job.Address,

Community = job.Community,

PATH = job.PATH,

NAME = job.NAME,

Ownername = job.Ownername,

DOCTYPE = job.DOCTYPE,

ATTACHMENT\_ID = job.ATTACHMENT\_ID,

}).ToList();

return jobList;

}

## Insert Into Table

public void InsertImageToTable(JobModel jobModel)

{

string? name = jobModel.NAME;

string? path = jobModel.PATH;

string? jobNumber = jobModel.JOBNUMBER;

string? doctype\_id = jobModel.DOCTYPE;

string config = connString.GetConnectionString("BMTWMS")!;

int ValueMax = FindMaxAttachmentNumber()+1;

FbCommand cmd = new FbCommand("INSERT into JOB\_ATTACHMENTS (ATTACHMENT\_ID,JOB\_NUMBER, PATH, NAME, DOCTYPE\_ID) values (@ATTACHMENT\_ID, @JOB\_NUMBER,@PATH, @NAME, @DOCTYPE\_ID);");

cmd.CommandType = CommandType.Text;

cmd.Parameters.Add("@ATTACHMENT\_ID", ValueMax);

cmd.Parameters.Add("@NAME", name);

cmd.Parameters.Add("@PATH", path);

cmd.Parameters.Add("@JOB\_NUMBER", jobNumber);

cmd.Parameters.Add("@DOCTYPE\_ID", doctype\_id);

using (cmd.Connection = new FbConnection(config))

{

cmd.Connection.Open();

cmd.ExecuteNonQuery();

cmd.Connection.Close();

}

}

# Connection Strings

## Appsettings.json

"AllowedHosts": "\*",

"ConnectionStrings": {

"OperatingExpenseConnString": "Data Source=MORSQL;Initial Catalog=OperatingExpense;User Id=bpm\_user;Password=resu\_mpb1; TrustServerCertificate=True",

"VmortConnString": "Data Source=VMORTL\\SQLEXPRESS;Initial Catalog=TimberlineLink;User Id=ITMain;Password=M0rr1s0n1961; TrustServerCertificate=True",

"SMTP": "10.0.0.26",

"PORT": "25",

"FROM": "oe@morrisonhomes.ca",

"ABGst": "5",

"Exportlocation": "C:/Users/edoucett/Desktop/"

}

# JAVASCRIPT

## Print CSS

@media print {

@page {

margin-left: 0.0in;

margin-right: 0.0in;

margin-top: 0;

margin-bottom: 0;

}

}

@media print {

.print-job {

display: none;

}

}

## Open Print

function printscreen() {

window.print();

}

<span class="float-end pt-2 print-job">

<button type="button" onclick="printscreen()" class=" col-2 m-3 btn-primary print-job">Print Job</button>

</span>

## Export to PDF

function generatePDF() {

// Choose the element id which you want to export.

var InvoiceId = document.getElementById('jobid').outerText;

var element = document.getElementById('ObjectToPrint');

// element.style.width = '816px';

// element.style.height = '1054px';

var opt = {

margin: 0.25,

filename: InvoiceId + '.pdf',

image: { type: 'jpeg', quality: 1 },

html2canvas: { scale: 1 },

jsPDF: { unit: 'in', format: 'legal', orientation: 'landscape', precision: '12' }

};

// choose the element and pass it to html2pdf() function and call the save() on it to save as pdf.

html2pdf().set(opt).from(element).save();

}

<span class="float-end pt-2 print-job">

<button type="button" onclick="generatePDF()" class="col-2 m-3 btn-danger print-job">Export PDF</button>

</span>

### Set above print area

<div id="ObjectToPrint"> </div>

## Export Table to CSV

function downloadCSV(csv) {

var csvFile;

var filename = document.getElementById('jobid').outerText;

var downloadLink;

// CSV file

csvFile = new Blob([csv], { type: "text/csv" });

// Download link

downloadLink = document.createElement("a");

// File name

downloadLink.download = filename;

// Create a link to the file

downloadLink.href = window.URL.createObjectURL(csvFile);

// Hide download link

downloadLink.style.display = "none";

// Add the link to DOM

document.body.appendChild(downloadLink);

// Click download link

downloadLink.click();

}

function exportTableToCSV() {

var filename = document.getElementById('jobid').outerText;

var csv = [];

var rows = document.querySelectorAll("table tr");

for (var i = 0; i < rows.length; i++) {

var row = [], cols = rows[i].querySelectorAll("td, th");

for (var j = 0; j < cols.length; j++)

row.push(cols[j].innerText);

csv.push(row.join(","));

}

// Download CSV file

downloadCSV(csv.join("\n"), filename);

}

## JQUERY to PDF

$("body").on("click", "#btnExport", function () {

html2canvas($('#ObjectToPrint')[0], {

onrendered: function (canvas) {

var data = canvas.toDataURL();

var docDefinition = {

content: [{

image: data,

width: 500

}]

};

pdfMake.createPdf(docDefinition).download("cutomer-details.pdf");

}

});

});

## SCRIPT TAGS

<script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1.8.3/jquery.min.js"></script>

<script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/pdfmake/0.1.22/pdfmake.min.js"></script>

<script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/html2canvas/0.4.1/html2canvas.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/jspdf/1.5.3/jspdf.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/html2pdf.js/0.9.3/html2pdf.bundle.min.js"></script>

<**script** **src**="~/js/ExportToPdf.js" **asp-append-version**="true" type="text/javascript"></**script**>

<**script** **src**="~/js/ExportToCSV.js" **asp-append-version**="true" type="text/javascript"></**script**>