

Creating an Advanced Data Grid Integrated with Access

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Sample Project - Description (MS Access: Forms , Data flow, object relationships)

Preview Project-03												
Row ID	Unit number	Preview	Description	Qty	Amount	Project no	Date of purchase	Invoice no	Supplier	Account	Category	Subcategory
176142	1964713		FLERGÅNGSKASSE K- BYGG	1	12,00	Project-03	2025-06-12	20285428	Supplier13	Account2	Cleaning	Heavy-duty plastic bag
179905	350311	No Foto	BÄRKASSE DAHL LILLA	2	5,60	Project-03	2025-06-12	125636528	Supplier8	Account2	Cleaning	Plastic bag
182070	350303	No Foto	FLERGÅNGSBÄRKASSE DAHL	2	23,60	Project-03	2025-06-11	125636528	Supplier8	Account2	Cleaning	Plastic bag
188464	1693911		Smältlim snabbt 300/11mm	1	362,35	Project-03	2025-08-13	2511181068	Supplier23	Account2	Consumable materials	Hot glue
180091	858314		SPÅNKIL SPÅN 13MM 18ST	1	45,76	Project-03	2025-06-26	20295924	Supplier13	Account2	Consumable materials	Mounting wedge
184288	1738318		SLIPSVAMP FIN 98X120X13MM	3	31,68	Project-03	2025-07-17	20310850	Supplier13	Account2	Consumable materials	Sandpaper
184287	1738314		SLIPSVAMP FIN COMBI 69X97X26MM	3	61,26	Project-03	2025-07-17	20310850	Supplier13	Account2	Consumable materials	Sandpaper
176140	1626758		KARM- PKT 8X21 93MM VIT CELLO 0502Y TRÖSKELPLATTA	2	1 151,00	Project-03	2025-06-12	20285428	Supplier13	Account2	Doors / windows	Door frame
196592	524168		DÖRRTRYCKE A383 SVART/ KROM INKL NYCKELSKYLTT	1	309,00	Project-03	2025-09-18	20354958	Supplier13	Account2	Doors / windows	Door handle
176219	1419692		FLEXRÖR 16MM 50M/FP	50	207,00	Project-03	2025-06-11	2511074047	Supplier23	Account2	Electrical	Conduit
182568	1377701		Dosdimmer 300VA LED mesh BT	1	352,81	Project-03	2025-07-04	2511127469	Supplier23	Account2	Electrical	Dimmer
188147	2290953		Dörr vit till GD313S	1	369,42	Project-03	2025-08-08	2511172163	Supplier23	Account2	Electrical	Distribution cabinet housing
188146	2290937		Kapsling 3X13 m i plast	1	438,50	Project-03	2025-08-08	2511172163	Supplier23	Account2	Electrical	Distribution cabinet housing
188139	2290961		Dörr vit till GD318S	1	598,33	Project-03	2025-08-08	2511172152	Supplier23	Account2	Electrical	Distribution cabinet housing
188138	2290945		Kapsling 3X18 m i plast	1	886,70	Project-03	2025-08-08	2511172152	Supplier23	Account2	Electrical	Distribution cabinet housing
188133	2106506		Minibrytare QC1-P 16A C 6kA	3	129,10	Project-03	2025-08-08	2511172152	Supplier23	Account2	Electrical	Fuse
188134	2106502		Minibrytare QC1-P 10A C 6kA	12	470,74	Project-03	2025-08-08	2511172152	Supplier23	Account2	Electrical	Fuse
188141	2106857		Minibrytare 2-P 10A C 10kA	1	596,68	Project-03	2025-08-08	2511172152	Supplier23	Account2	Electrical	Fuse
176221	1420223		TRIPPELSTUDS STYV 16/20 16mm	2	47,85	Project-03	2025-06-11	2511074047	Supplier23	Account2	Electrical	Junction box
176216	1422040		KOPPLINGSDOSA ENK/DUBB	2	75,17	Project-03	2025-06-11	2511074047	Supplier23	Account2	Electrical	Junction box
176226	1420199		APP.DOSA BIGBOX 13-26mm 2 ST	2	75,20	Project-03	2025-06-11	2511074047	Supplier23	Account2	Electrical	Junction box
176218	1420186		APPARATDOSA 26-39mm 4	5	149,37	Project-03	2025-06-11	2511074047	Supplier23	Account2	Electrical	Junction box
182560	7084810		LED driver 10W 150-200mA 12/24V	1	462,52	Project-03	2025-07-04	2511127469	Supplier23	Account2	Electrical	LED driver

Category	TotalAmount
ALL	97 688
Cleaning	41
Consumable materials	501
Doors / windows	1 460
Electrical	8 030
Floor screed	6 391
Interior fittings	546
Lighting	2 730
Painted trim	1 578
Painting / plastering	487
Plumbing	12 963
Repairs	48
Rubber coating	4 835
Safety / protection	3 543
Sewerage	5 369
Small tools	17
Structural materials	13 287
Tiling	1 995
Underfloor heating	3 070
Unknown	27 404
Ventilation	1 373
Wet materials	2 023

Subcategory	TotalAmount
ALL	97 688
Baseboard	316
Basin drain	67
Bathroom board	1 143
Chrome fitting	117
Concrete	304
Conduit	207
Construction adhesive	618
Covering foil	216
Dimmer	353
Dishwasher drain	169
Distribution cabinet housing	2 293
Door casing	293
Door frame	1 151
Door handle	309
Drywall	3 233
EPS insulation	544
Fitting	497
Fixture	23
Floor leveling compound	257
Floor protection paper	870
Fuse	1 197
Geberit frame	3 289
Heavy-duty plastic bag	12
Hot glue	362
Inspection hatch	0
Insulation foil	321
Junction box	348
LED driver	464
LED lights	2 730
Light switch	330
Machine service	48
Main switch	183
Mat	857
Mat joint adhesive	405
Metal stud	219
Mineral wool	243
Mixer mounting plate	817
Mounting rail	82
Mounting wedge	46
Notched trowel	17
Overflow	225
Overflow cap	132
Paint	129
Paint brush	130

Record: 1 of 22 No Filter

Record: 1 of 97 No Filter

Sample Project - Sample Data preview (MS Access)

Single_Project_data											
Row_ID	Unit_numbe	Description	Qty	Amount	Project_no	Date_of_pu	Invoice_no	Supplier	Account	Category	Subcategory
176132	812701	VINKELPROFIL KLP 2400MM GAL	3	263,16	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
185933	160520	FOGMASSA AKRYL 3920 VIT 0,3L	1	71,28	Project-03	2025-07-24	20314092	Supplier13	Account2	Unknown	Unknown
176141	261876	ETANOL NITOR RÖD 1L	1	68,4	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
180089	821004507054	REGEL OBH 45X70X5400 C14	2	182,26	Project-03	2025-06-26	20295924	Supplier13	Account2	Unknown	Unknown
176139	1520633	GEOTEXTIL GEO T BAS, N1 1X10	1	186,5	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
176137	1378716	YTTERHÖRN AQUABEAD 2440MI	3	201,96	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
177264	21011482	Tebo Stockholm Golvbrunnssil	1	218,88	Project-03	2025-05-26	3712493	Supplier6	Account2	Unknown	Unknown
183343	22010002	SET Avstängarlist 50mm 2m	1	61,92	Project-03	2025-07-07	3721110	Supplier6	Account2	Unknown	Unknown
176153	1734916	BYGGFOLIETEJP FLEX 60MMX25I	1	244	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
187327	23010004	Wedi Board 12,5x600x2500mm	1	400,4	Project-03	2025-08-01	3724002	Supplier6	Account2	Unknown	Unknown
176147	1180600	GIPSSKRUV COMBI FZB 3,9X51 4	2	255	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
182065	1876899	LK VÄGGSKENA CC 160 MINI	1	76,02	Project-03	2025-06-11	125636528	Supplier8	Account2	Unknown	Unknown
184235	160502	AQUA- TÄT 40ML	2	281	Project-03	2025-07-17	20310850	Supplier13	Account2	Unknown	Unknown
182272	3032340	BOJA, TYP LKS 75 AS	2	282,72	Project-03	2025-06-16	125636528	Supplier8	Account2	Unknown	Unknown
176146	1345446	SPÅNSKIVESKRUV STÅL FOS 1M	1	302	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
180090	724342	SKRUV TFT JET FZB 5.0X90 100ST	2	310	Project-03	2025-06-26	20295924	Supplier13	Account2	Unknown	Unknown
186918	9999999	Skumulowany zakup - Kakelspe	1	316,76	Project-03	2025-07-31	1766214306	Supplier12	Account2	Unknown	Unknown
183269	723907	GIPSSKRUV TRÄ FZB 3,9X25 250s	1	54,35	Project-03	2025-07-10	20306839	Supplier13	Account2	Unknown	Unknown
188148	9755669	STBOX ZON 1	2	328	Project-03	2025-08-08	2511172163	Supplier23	Account2	Unknown	Unknown
196591	1127198	WC- BESLAG A262 CLEAN POLER	1	345	Project-03	2025-09-18	20354958	Supplier13	Account2	Unknown	Unknown
187761	1181246	2 ST	52	52	Project-03	2025-08-06	2511167664	Supplier23	Account2	Unknown	Unknown
181081	1459248	YTTERPANEL 22X70X5400 OBH	3	251,34	Project-03	2025-07-03	20302346	Supplier13	Account2	Unknown	Unknown
188275	X9333	LUNDAPENNA	1	0	Project-03	2025-08-10	68177574	Supplier16	Account2	Unknown	Unknown
176151	724340	SKRUV TFT JET FZB 5.0X 70 100	1	99,76	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
182069	1880682	LK GENOMFÖRINGSHÅLLARE 25	4	114,92	Project-03	2025-06-11	125636528	Supplier8	Account2	Unknown	Unknown
183587	282332	Kemisk Metall 1,0 st	1	116	Project-03		4365	Supplier27	Account2	Unknown	Unknown
188278	Y1527	LK UTLOPPSBRICKA V2 KROM TI	1	92,35	Project-03	2025-08-10	68177574	Supplier16	Account2	Unknown	Unknown
183291	1345422	GIPSSKRUV TRÄ 3,9x30 800ST FZ	1	123	Project-03	2025-07-10	20306839	Supplier13	Account2	Unknown	Unknown
176150	1180693	SPÅNSKRUV T99 FZB 4,2x41 (20	1	88,75	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
181084	1428107	HÅLBAND 20X1 10M	1	130	Project-03	2025-07-03	20302346	Supplier13	Account2	Unknown	Unknown
176148	1180599	GIPSSKRUV COMBI FZB 3,9X41 6	1	137	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
176149	1345442	GIPSSKRUV COMBI FZB 3,9x30 8	1	141	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
179892	4756805	REGLERNYCKEL RVO 10-20	1	72,4	Project-03	2025-06-19	125677727	Supplier8	Account2	Unknown	Unknown
176152	160295	ÄLIM INNE CASCOL 750ML ARBE	1	82,8	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
176133	163322	HÖRNSKYDD PLÅT HS L= 3M PER	2	74,42	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
176145	724566	MONTAGESKRUV 4.2X13 FZB 25	1	81,87	Project-03	2025-06-12	20285428	Supplier13	Account2	Unknown	Unknown
177355	9999999	Skumulowany zakup - Täby Nya	1	5796,01	Project-03	2025-06-13	4269	Supplier26	Account2	Unknown	Unknown

Sample Project - Description (Html document, Css file , JavaScript file - relationships)

data_grid.html

```
1 <html>
2
3 <head>
4
5 <meta name="Table with products" content="yes">
6 <meta charset="utf-8">
7 <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable = no">
8 <meta name="apple-mobile-web-app-capable" content="yes">
9 <link href="https://fonts.googleapis.com/css2?family=Inter:wght@100;200;300;400;500;600;700;800&
10 <link rel="stylesheet" href="data_grid.css">
11
12 <script src="data_grid.js" defer=""></script>
13
14 </head>
15
16 <body onload="startup_script()">
17
18 <div class="main_container">
19
20 <div class="table_container">
21
22 <div class="table_header">
23
24 <div class="table_cell_header col1">Row ID</div>
25 <div class="table_cell_header col2">Unit number</div>
26 <div class="table_cell_header col14">Preview</div>
27 <div class="table_cell_header col3">Description</div>
28 <div class="table_cell_header col4">Qty</div>
29 <div class="table_cell_header col5">Amount</div>
30 <div class="table_cell_header col6">Project no</div>
31 <div class="table_cell_header col7">Date of purchase</div>
32 <div class="table_cell_header col8">Invoice no</div>
33 <div class="table_cell_header col9">Supplier</div>
34 <div class="table_cell_header col10">Account</div>
35 <div class="table_cell_header col11">Category</div>
36 <div class="table_cell_header col12">Subcategory</div>
37
38 </div>
39
40 <div class="scrollbar_shadow"></div>
41
42 <div class="rows_container_outer">
43
44 <div class="rows_container_inner">
45
46
47
48
49 </div> <!-- row container inner -->
```

data_grid.css

```
1 *{
2   box-sizing: border-box;
3   font-family: Inter;
4 }
5
6 body {
7   margin: 0px;
8 }
9
10 .main_container{
11
12   position: relative;
13   margin: 0px auto 0px 0px;
14   display: flex;
15   width: 1307px;
16   height: calc(100% - 0px);
17   /* border: 1px solid black;*/
18 }
19
20 .table_container{
21   flex-direction: column;
22   border: 1px solid #rgb(155 155 155);
23   margin: 0px;
24   width: 100%;
25   overflow: hidden;
26   position: relative;
27 }
28
29 .table_header{
30   display: flex;
31 }
32
33 .rows_container_outer{
34   display: flex;
35   position: relative;
36   height: calc(100% - 19px);
37
38   overflow-x: hidden;
39   overflow-y: auto;
```

data_grid.js

```
1 window.app_state_object= {}; //application state object - that will hold
2
3
4 //-----
5 //-----app state object members definicion-----
6 //-----
7 window.app_state_object.update_html_table = function( json_table_data){
8
9   let json_table_data_obj = JSON.parse(json_table_data);
10
11   console.log("conversion made");
12
13   convert_to_html_table_body(json_table_data_obj);
14
15 } // end of function update_html_table
16
17
18 window.app_state_object.give_return_value = function(){
19
20   let r_value = window.app_state_object.return_value;
21   window.app_state_object.return_value = "";
22
23   return r_value;
24
25 } // end of function update_html_table
26
27
28 //-----
29 //-----Function startup script-----
30 //-----
31
32 function startup_script(){
33
34
35   window.app_state_object.preview_counter = 0;
36   window.app_state_object.preview_vibile = false;
37   window.app_state_object.preview_picture = "";
38   window.app_state_object.return_value = "";
39
40   console.log("welcome - startup script");
41
42   add_event_handlers_to_body();
43 }
```

Sample Project - Step 1 - Prepare JSON Data for Html Document

```
Dim Db As DAO.Database
Dim rs As DAO.Recordset

Dim json_string As String
Dim json_current_row As String

json_string = "["
|
Set Db = CurrentDb()
Set rs = Db.OpenRecordset(strSql, dbOpenDynaset, dbSeeChanges)

Do Until rs.EOF = True
    '-----
    json_current_row = "["
    json_current_row = json_current_row & "'" & Nz(rs("Row_ID"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(rs("Unit_number"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(Replace(rs("Description"), Chr(34), "\" & Chr(34))), "" & "',"

    json_current_row = json_current_row & "'" & Nz(rs("Qty"), "") & "',"
    json_current_row = json_current_row & "'" & Trim(Format(Nz(rs("Amount")), "### ##0.00")) & "'," 'correct number formatting with decimal space separators

    json_current_row = json_current_row & "'" & Nz(rs("Project_no"), "") & "',"
    json_current_row = json_current_row & "'" & Format(Nz(rs("Date_of_purchase"), ""), "yyyy-mm-dd") & "'," 'correct date formatting (ISO standard)
    json_current_row = json_current_row & "'" & Nz(rs("Invoice_no"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(rs("Supplier"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(rs("Account"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(rs("Category"), "") & "',"
    json_current_row = json_current_row & "'" & Nz(rs("Subcategory"), "") & "'"
    json_current_row = json_current_row & "]"

    json_string = json_string & json_current_row

    '-----
    rs.MoveNext
Loop

rs.Close
Set rs = Nothing
Set Db = Nothing
```

```
strSql = "SELECT * FROM Single_Project_data "

If Current_Category <> "ALL" Then
    current_filter = current_filter & " Category = '" & Current_Category & "' AND "
End If

If current_subcategory <> "ALL" Then
    current_filter = current_filter & " Subcategory = '" & current_subcategory & "' AND "
End If

If Len(current_filter) > 4 Then
    current_filter = Left(current_filter, Len(current_filter) - 4) 'cuts last 4 characters ( 'AND ' )
    strSql = strSql & " WHERE " & current_filter
End If

strSql = strSql & " ORDER BY Category, Subcategory, Amount "
```

Result data after this step:

```
[
['113206','1411807','SKYDDSSLANG HG-SW28','1','34,85','Project-02','2024-05-08','2510170738','Supplier23','Account2','Electrical','Conduit'],
['112409','1411801','SKYDDSSLANG HG-SW13','6','79,03','Project-02','2024-04-09','2510100032','Supplier23','Account2','Electrical','Conduit'],
['112195','1419692','FLEXRÖR 16MM 50M/FP','50','202,25','Project-02','2024-03-26','2510072014','Supplier23','Account2','Electrical','Conduit']
]
```

Sample Project - Step 2 - Pass formatted Data to Html Document

```
json_string = Replace(json_string, "'", Chr(34))      'replace single quote to double quote
json_string = Replace(json_string, Chr(34), "\" & Chr(34))  'adds to double quote escape character \ to make it transsfered to json

json_string = Replace(json_string, Chr(13), "")      'replace enter character - not necessary for json correctness. it is only to show in single line data that has line braek
json_string = Replace(json_string, Chr(10), "")      'replace enter character - not necessary for json correctness. it is only to show in single line data that has line braek
json_string = Replace(json_string, Chr(9), "")      'replace horizontal tab - not necessary for json correctness. it is only to ommit tab

prepare_table_json_data = json_string 'return of function value
```

Result data after adding escape characters for quotes

```
[
[\"113206\", \"1411807\", \"SKYDDSSLANG HG-SW28\", \"1\", \"34,85\", \"Project-02\", \"2024-05-08\", \"2510170738\", \"Supplier23\", \"Account2\", \"Electrical\", \"Conduit\"],
[\"112409\", \"1411801\", \"SKYDDSSLANG HG-SW13\", \"6\", \"79,03\", \"Project-02\", \"2024-04-09\", \"2510100032\", \"Supplier23\", \"Account2\", \"Electrical\", \"Conduit\"],
[\"112195\", \"1419692\", \"FLEXRÖR 16MM 50M/FP\", \"50\", \"202,25\", \"Project-02\", \"2024-03-26\", \"2510072014\", \"Supplier23\", \"Account2\", \"Electrical\", \"Conduit\"]
]
```

Preparing full Javascript function call with parameter:

```
Dim kom As String
kom = "window.app_state_object.update_html_table('" & table_json_data & "')
```

Immediate

?kom

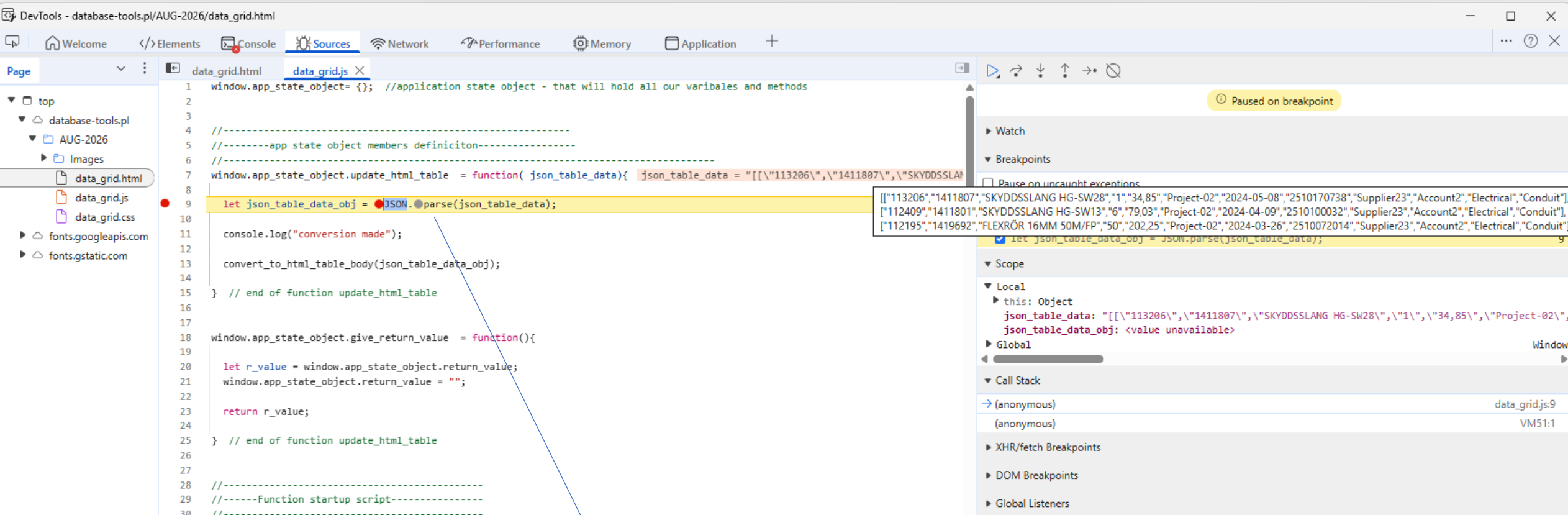
```
window.app_state_object.update_html_table('["113206", "1411807", "SKYDDSSLANG HG-SW28", "1", "34,85", "Project-02",
"2024-05-08", "2510170738", "Supplier23", "Account2", "Electrical", "Conduit"], ["112409", "1411801", "SKYDDSSLANG HG-SW13",
"6", "79,03", "Project-02", "2024-04-09", "2510100032", "Supplier23", "Account2", "Electrical", "Conduit"], ["112195",
"1419692", "FLEXRÖR 16MM 50M/FP", "50", "202,25", "Project-02", "2024-03-26", "2510072014", "Supplier23", "Account2",
"Electrical", "Conduit"]']')
```

Execution of command „ExecuteJavascript” with prepared before statement

```
If doc_completed = True Then
    Call Me.EdgeBrowser0.ExecuteJavascript(kom)
End If
```

Sample Project - Step 3 - Capture Data using Javascript for Html document and further processing

Web Dev Tools - debugging Javascript Code



```
▼ json_table_data_obj: Array(3)
  ► 0: (12) ['113206', '1411807', 'SKYDDSSLANG HG-SW28', '1', '34,85', 'Project-02', '2024-05-08', '2510170738', 'Supplier23', 'Account2', 'Electrical', 'Conduit']
  ► 1: (12) ['112409', '1411801', 'SKYDDSSLANG HG-SW13', '6', '79,03', 'Project-02', '2024-04-09', '2510100032', 'Supplier23', 'Account2', 'Electrical', 'Conduit']
  ► 2: (12) ['112195', '1419692', 'FLEXRÖR 16MM 50M/FP', '50', '202,25', 'Project-02', '2024-03-26', '2510072014', 'Supplier23', 'Account2', 'Electrical', 'Conduit']
  length: 3
```

Sample Project - Step 4 - Formatting Html structure from received Data and put it into html document

```
47 //--https://database-tools.pl/AUG-2020
48 //-----
49 function convert_to_html_table_body(json_table_data_obj){ json_table_data_obj = (3) [Array(12), Array(12), Arra
50
51 let current_row = "";
52 let current_row_html = "";
53 let whole_html_body = "";
54
55 for (let i = 0; i < json_table_data_obj.length ; i++) {
56
57     current_row = json_table_data_obj[i];
58
59     current_row_html = `
60
61     <div class="table_row">
62
63         <div class="table_cell col1">${current_row[0]}</div>
64         <div class="table_cell col2">${current_row[1]}</div>
65
66         <div class="table_cell col14">
67             <div class="picture_background" style="background-image: url(./Images/${current_row[1]}.jpg);"></div>
68         </div>
69
70         <div class="table_cell col3">${current_row[2]}</div>
71         <div class="table_cell col4">${current_row[3]}</div>
72         <div class="table_cell col5">${current_row[4]}</div>
73         <div class="table_cell col6">${current_row[5]}</div>
74         <div class="table_cell col7">${current_row[6]}</div>
75         <div class="table_cell col8">${current_row[7]}</div>
76         <div class="table_cell col9">${current_row[8]}</div>
77         <div class="table_cell col10">${current_row[9]}</div>
78         <div class="table_cell col11">${current_row[10]}</div>
79         <div class="table_cell col12">${current_row[11]}</div>
80
81     </div>
82
83 `;
84
85 console.log("row number " + i);
86 whole_html_body = whole_html_body + current_row_html;
87
90 let container_inner = document.querySelector(".rows_container_inner"); //capture container tag co
91 container_inner.innerHTML = whole_html_body; //injects new body into its container tag whole_html
```

```
<div class="table_row">
  <div class="table_cell col1">113206</div>
  <div class="table_cell col2">1411807</div>
  <div class="table_cell col14">
    <div class="picture_background" style="background-image: url(./Images/1411807.jpg);"></div>
  </div>
  <div class="table_cell col3">SKYDDSSLANG HG-SW28</div>
  <div class="table_cell col4">1</div>
  <div class="table_cell col5">34,85</div>
  <div class="table_cell col6">Project-02</div>
  <div class="table_cell col7">2024-05-08</div>
  <div class="table_cell col8">2510170738</div>
  <div class="table_cell col9">Supplier23</div>
  <div class="table_cell col10">Account2</div>
  <div class="table_cell col11">Electrical</div>
  <div class="table_cell col12">Conduit</div>
</div>

<div class="table_row">
  <div class="table_cell col1">112409</div>
  <div class="table_cell col2">1411801</div>
  <div class="table_cell col14">
    <div class="picture_background" style="background-image: url(./Images/1411801.jpg);"></div>
  </div>
  <div class="table_cell col3">SKYDDSSLANG HG-SW13</div>
  <div class="table_cell col4">6</div>
  <div class="table_cell col5">79,03</div>
  <div class="table_cell col6">Project-02</div>
  <div class="table_cell col7">2024-04-09</div>
  <div class="table_cell col8">2510100032</div>
  <div class="table_cell col9">Supplier23</div>
  <div class="table_cell col10">Account2</div>
  <div class="table_cell col11">Electrical</div>
  <div class="table_cell col12">Conduit</div>
</div>

<div class="table_row">
  <div class="table_cell col1">112195</div>
  <div class="table_cell col2">1419692</div>
  <div class="table_cell col14">
    <div class="picture_background" style="background-image: url(./Images/1419692.jpg);"></div>
  </div>
  <div class="table_cell col3">FLEXRÖR 16MM 50M/FP</div>
  <div class="table_cell col4">50</div>
  <div class="table_cell col5">202,25</div>
  <div class="table_cell col6">Project-02</div>
  <div class="table_cell col7">2024-03-26</div>
  <div class="table_cell col8">2510072014</div>
  <div class="table_cell col9">Supplier23</div>
  <div class="table_cell col10">Account2</div>
  <div class="table_cell col11">Electrical</div>
  <div class="table_cell col12">Conduit</div>
</div>
```

Sample Project - Html document – mouse event handlers

```
32 function startup_script(){
33
34
35 window.app_state_object.preview_counter = 0;
36 window.app_state_object.preview_vibile = false;
37 window.app_state_object.preview_picture = "";
38 window.app_state_object.return_value = "";
39
40 console.log("welcome - startup script");
41
42 add_event_handlers_to_body();
43
44 }
45
```

```
96 //-----
97 function add_event_handlers_to_body(){
98
99 let whole_body = document.querySelector("body");
100
101 whole_body.addEventListener('pointermove', handlePointerMove);
102 whole_body.addEventListener('pointerdown', handlePointerDown);
103
104
105 } //end of function add_handler_to_pointer_move_body
106
```

```
107 //-----
108 function handlePointerDown(e){
109
110 //alert("pointer down");
111
112 let table_row = e.target.closest(".table_row");
113
114 if (table_row == null){
115 return;
116 }
117
118 let column1 = table_row.querySelector(".col1");
119 let contents = column1.innerHTML;
120
121 window.app_state_object.return_value = contents;
122
123
124 } //end of function handlePointerDown
125
```

```
127 //-----
128 function handlePointerMove(e){
129
130 let object_preview_sub;
131 let object_preview;
132 let current_preview_counter = 0;
133
134 let target_cell_col14 = e.target.closest(".table_cell.col14"); // checks whether the target has a parent that has bot
135
136 if(target_cell_col14 !==null){
137
138 let element_picture_background = target_cell_col14.querySelector(".picture_background");
139 let bg_image = element_picture_background.style.backgroundColor;
140
141 if (bg_image == ""){
142 console.log("no picture");
143 return; // if empty, do nothing - for debugging purposes because later there will always be some image assigned t
144 }
145
146 bg_image = bg_image.replace(`url("${`", ``);
147 bg_image = bg_image.replace(`\"`, ``);
148
149 if (window.app_state_object.preview_vibile == false){
150
151 console.log("will be showing the picture");
152
153 window.app_state_object.preview_counter = window.app_state_object.preview_counter + 1;
154 window.app_state_object.preview_vibile = true;
155 window.app_state_object.preview_picture = bg_image;
156
157 object_preview = document.querySelector(".picture_preview_main");
158 object_preview.style.display = "flex";
159
160 object_preview_sub = document.querySelector(".picture_preview_sub");
161 object_preview_sub.style.backgroundColor = `url(${bg_image})`;
162
```

Sample Project - Receiving data from Html document to use in Ms Access

```
Private Sub EdgeBrowser0_Click()  
  
Sleep 100  
  
Dim r_value As String  
  
r_value = Me.EdgeBrowser0.RetrieveJavascriptValue("window.app_state_object.give_return_value()")  
  
If r_value <> "" Then  
    MsgBox "User Clicked on row with ID: " & r_value  
End If  
  
End Sub
```

```
18 window.app_state_object.give_return_value = function(){  
19  
20     let r_value = window.app_state_object.return_value;  
21     window.app_state_object.return_value = "";  
22  
23     return r_value;  
24  
25 } // end of function update_html_table  
26
```

THANK YOU VERY MUCH !