PROCE55[®] Mobile: Web API App











Design User Interface

The visual User Interface can be designed with the PROCE55[®] Modeler using the pre-defined **visual controls** which can be placed on the screens of the mobile App. **Buttons** are used to navigate among the screens. Each button can be associated with a **sequence of pre-defined actions**, the flow of actions is controlled by **conditions**. See our Guides for details.

Description (100%-221) Deter	Organo E0,007-4,41 Default styles	Tangates (2000-03)	to of equilibrium BD/ 108001-60-001 Parked Parked	Fuelo 120 Stollo	PROCE
deservations and s1_b	4				
Datasing Londahome	ton	inter 🔄 🖂 Steffs	-		
C America Printers	and to fine harper accessed they				
Lange and strength on 12					
Variation of the state	CHINASS PROVIDENT		10		
And the second second		Parentee of	- Internet		
BHNKH TATIS		Tax	1000 · D	walking WIT-8	
Berritte Advancements	44 () 				
Tolley calles value.			The second second	. Editoreageneties	int and for the amproved
System, About Advant		Decety to	-	- E (9438
		Teorete	Type Name	Value	
			and the second s		



PROCE55[®] Mobile: How to create Web API App – Step 2



PROCE55® Mobile: How to create Web API App – Step 3







PROCE55® Mobile: How to create Web API App – Function Code



Embedded functions

The following JavaScript functions will be packaged with this app. Right-click in the editor window for more options.

```
🇱 Insert function template 🛛 🖛 Undo 💷 Redo
```

```
2 □ function processResponse() {
3
 4
        // Parse the response object
        var obj1 = JSON.parse(P55_LAST_REQUEST_RESPONSE);
 5
 6
7
        // Get the object array
        var art objects = obj1.artObjects;
8
        //ShowDialog('Object count: ' + art objects.length);
9
10
11
        // Get the screen table element
        var table1 = PROCE55_GetElementByName('s1_t1');
12
        var table_rows = [ ];
13
14
15
        // Loop art object array and add each to the screen table
        for (var n = 0; n < art_objects.length; n++) {</pre>
16 🛱
17
18
              // Create a new table row
19
              var newrow1 = new P55TableRow(n);
              var rowdata1 = [ ];
20
21
              // Image URL is optional, read if present:
22
              var img1 = '';
23
              if (art objects[n].webImage && art objects[n]. asImage) {
24 🛱
                    img1 = art_objects[n].webImage.url;
25
26
27
              // Add column data for all 4 columns in this row
28
29
              rowdata1.push(art objects[n].objectNumber);
              rowdata1.push(art_objects[n].title);
30
              rowdata1.push(art_objects[n].principalOrFirstMaker)
31
              rowdata1.push(img1);
32
33
34
              // Push the row to the rows array
35
              newrow1.RowData = rowdata1;
36
              table rows.push(newrow1);
37
38
        // Assign new table row array to the table element object
        table1.TableData = table_rows;
39
40 }
```

This Function extracts parses the JSON response returned by Web API and creates the table which contains the extracted data elements. The Response contains the array of the artObjects with text descriptions and URL of Web images.

The response in JSON format is in the system variable **P55_LAST_REQUEST_RESPONSE** which is filled in by the immediatelly previous Web API call. The JSON object is parsed using standard means.

For table processing the local variable table1 is connected with the visual element table s1_t1 using the internal function **PROCE55_GetElementByName**.

\mathbf{V}	ist az	Search for	
\mathbf{A}	22.02		* Colur
	input #1_i1	[van Gogh	- Colur
	Sutto S3 b1	SYS_DOWN Load atworks	Object
	Table s1_t1		

Related	table d	efinitio	n s1_t1
* Column			
- Column	- Row		
Object number	Title	Artist	Image URL
	1		_



PROCE55® Mobile: How to create Web API App – JSON Fragment



```
"elapsedMilliseconds": 53,
"count": 385,
"artObjects": [
  ł
    "links": {
    "self": "https://www.rijksmuseum.nl/api/en/collection/SK-A-3262",
    "web": "https://www.rijksmuseum.nl/en/collection/SK-A-3262"

     "id": <u>en-SK-A-3262</u>"
     objectNumber": "5K-A-3262",
title": "self-portrait",
     'hasImage": true,
     "principalOrFirstMaker": "Vincent van Gogh",
     "longTitle": "Self-portrait, Vincent van Gogh, 1887",
     "showImage": true.
     "permitDownload": true,
      webImage": {
"guid": "79574970-8e6a-46af-aa42-d2aa7101ab89",
       "offsetPercentagex": 50,
       "offsetPercentageY": 50,
       "width": 2034,
"<u>heig</u>ht": 2562
       الاستام: "http://lh4.ggpht.com/RKAJ3z2mOcw83Ju0a7NIp71oUoJbVWJQzxwki5PSERissvWIrELCuxxGZ12U0PeAnf6WLkRCzpFdvjweUBjlcr2I4dl_=s0"
     "headerImage": {
    "guid": "87fe6026-45a1-41d2-a126-9e330eda65a9",
    "guid": "87fe6026-45a1-41d2-a126-9e330eda65a9",
       "offsetPercentagex": 50,
       "offsetPercentagey": 50,
       "width": 1920,
"height": 460,
       "url": "http://lh3.ggpht.com/q9g69z_FCfiHy0UoOw3z1I5H4zs1FqiCWm-J2rVaYLuD90xUMYD95ZjLMz2gBCqQP5Vu_fK7snxcwRxa_izMWu_PGw=s0"
      productionPlaces": []
  },
    "links": {
    "self": "https://www.rijksmuseum.nl/api/en/collection/RP-D-1984-40-V.W.V.GOGH-5",
    "web": "https://www.rijksmuseum.nl/en/collection/RP-D-1984-40-V.W.V.GOGH-5"
     "id": "en-RP-D-1984-40-V.W.V.GOGH-5",
     "objectNumber": "RP-D-1984-40-V.W.V.GOGH-5"
     "title": "Prentbriefkaart aan Daniel Apollonius Delprat",
     "hasImage": false,
     "principalOrFirstMaker": "Vincent Willem van Gogh",
     "longTitle": "Prentbriefkaart aan Daniel Apollonius Delprat, Vincent Willem van Gogh, 1968",
     "shoẃImage": false,
     "permitDownload": false,
     "webImage": null,
     "headerīmage": null,
     "productionPlaces": [
       "Amsterdam"
     "links": {
```



PROCE55® Mobile: How to create Web API App – Step 4



Deployment of the mobile App with PROCE55® Modeler is very simple compared with the procedures used in the App Stores. You can deploy the mobile App directly from the PROCE55® Modeler using QR Code or via Portals for complex deployment scenarios. **No compilation** is needed, you deploy to **iOS, Android or Windows Mobile Runtime Environment** directly without any transformation.





www.east-gate.eu