Passed Params Parameters in MarushkaDesign

CONTENTS

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1 Aim of the Example

In this example, we will demonstrate work with Passed Params parameters in MarushkaDesign. This example was created in version 4.0.1.0, so it does not have to be compatible with older versions.

2 Working with Example

o Unzip the **PassedParams_EN.zip** into **c:\MarushkaExamples** folder. The target folder must be respected due to interconnection of paths with the project. In the case of placing the files in the different folder, it would not be possible to work with an example.

o Open the **PassedParams_EN.xml** in MarushkaDesign environment.

o Select all the form layers in SQLite (WKB) data store, in the context menu choose Data – Load all:
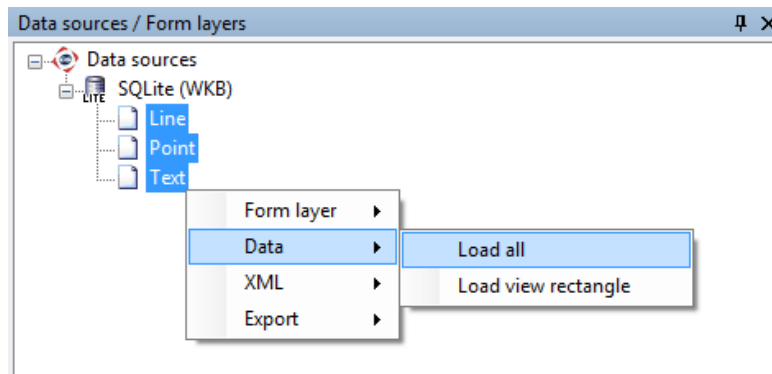
o In map window choose "Fit all":

o Launch the local web server:

3   Dialog Box Sample

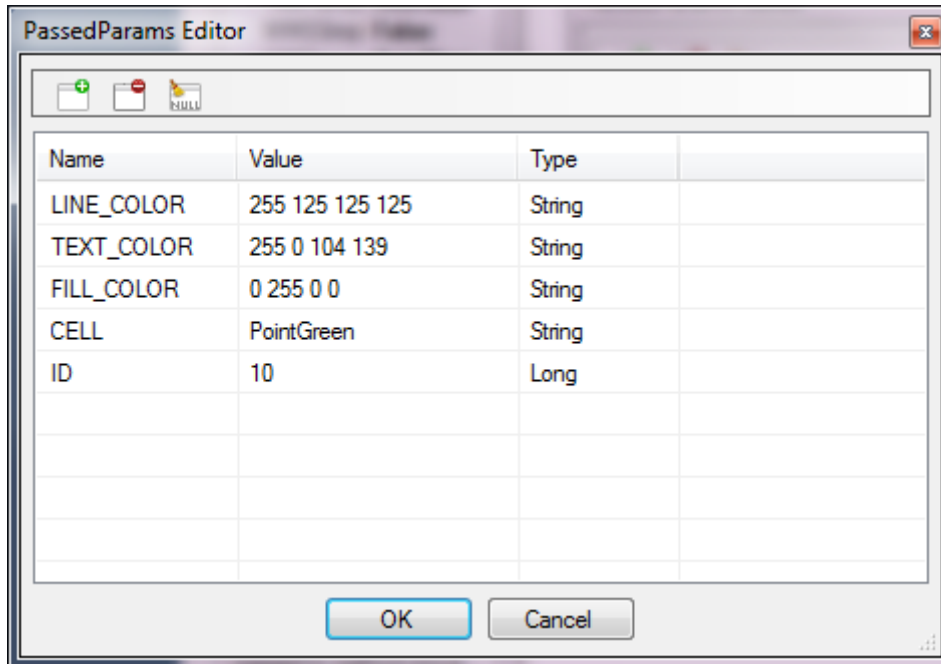Fig 1: Sample of parameters definition in PassedParams editor

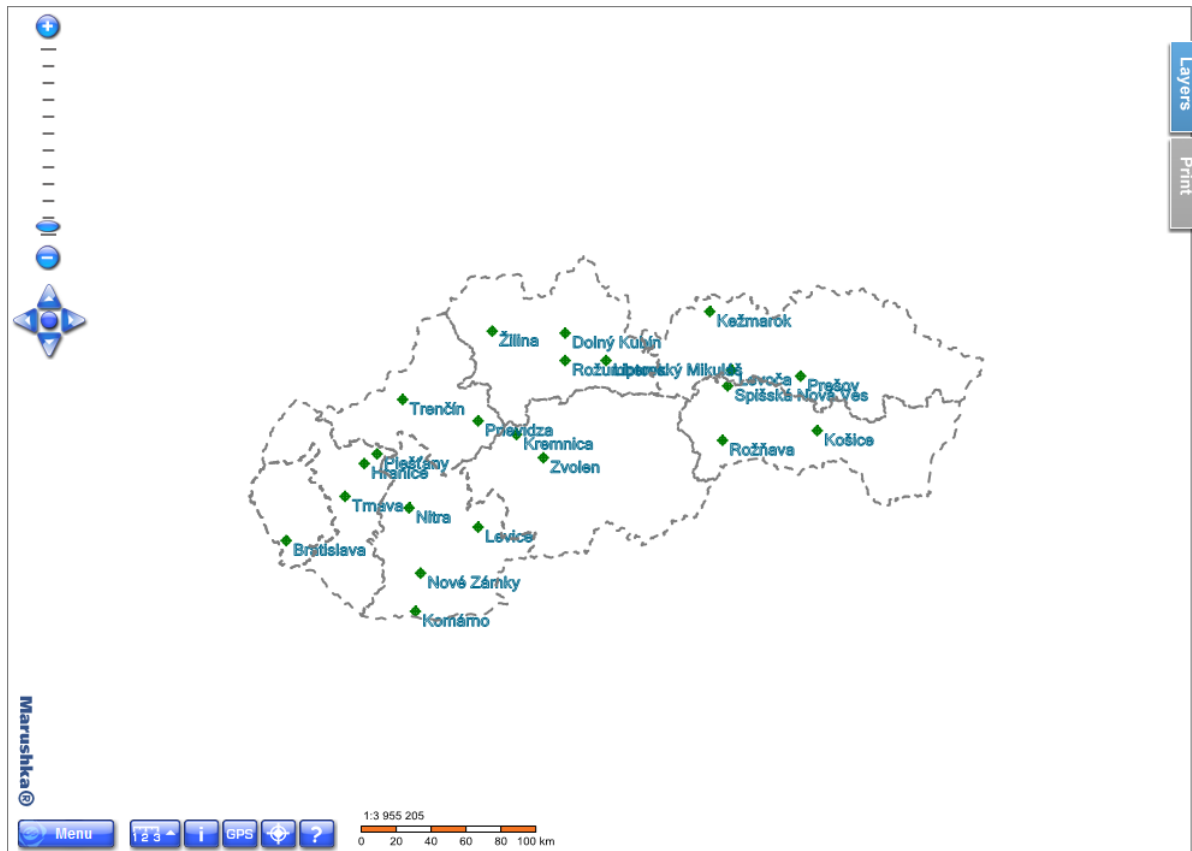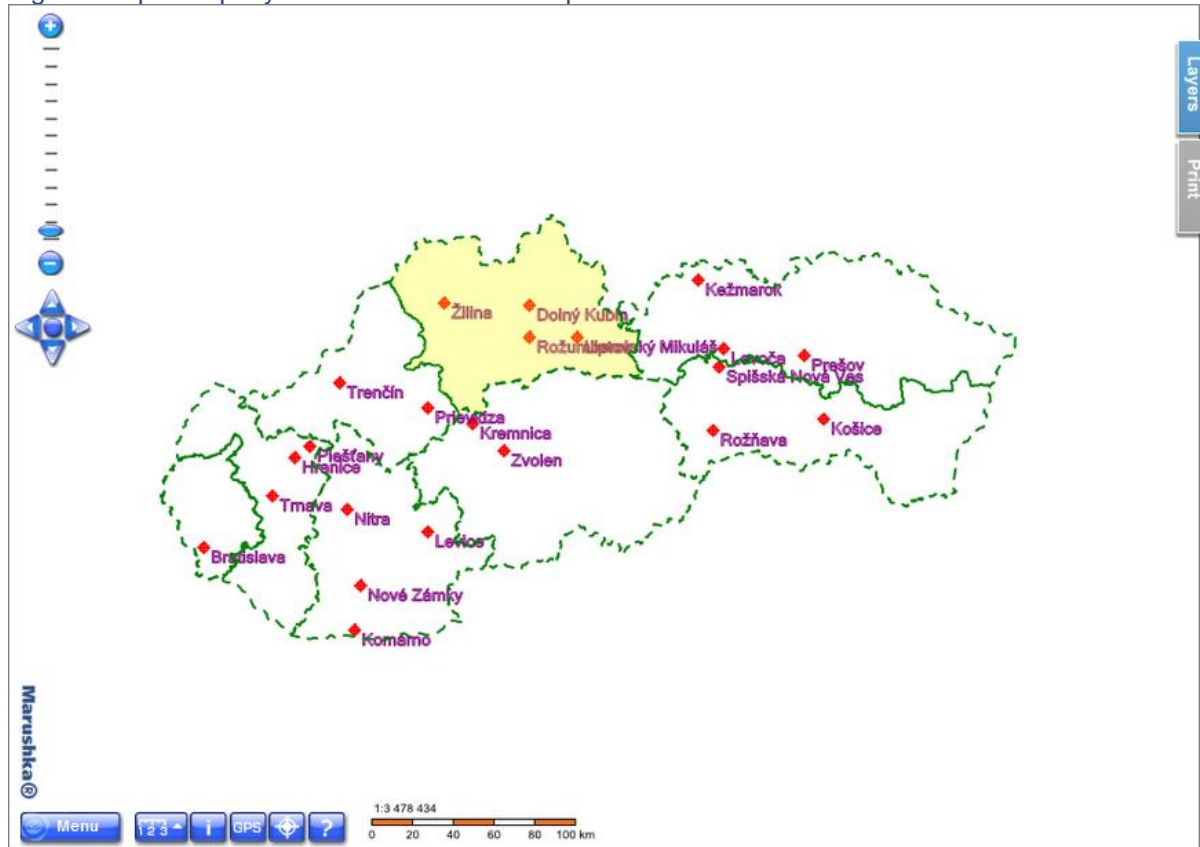Fig 2: Sample of query result without user-defined parameters in MarushkaDesign

Fig 3: Sample of query result with user defined parameters in web browser

4 A Brief Description of the Example in MarushkaDesign

Passed Params Parameters

Individual parameters *Passes Params* are used for substitution into individual database queries. If they are used in the project, it is necessary to define these parameters in the project properties *PassedParams*. Here, it is essential to fill the name of particular parameter, its default value (in the case that for the particular parameter, user does not send any value, the default value is substituted instead) and parameter type. The parameter list for this project can be seen in project properties *PassedParams* and also in Fig 1.

So defined parameters can be then remotely called, in addition it is possible to define user - specified parameter value. These parameters can be also called directly through URL address, as shown below. For successful use, it is necessary to define used parameters in *DBColumnsToClient*.

An example includes 3 form layers in SQLite data store:

1. Form layer **Point** renders point coordinates of selected cities in Slovakia. In *DBColumnsToClient* the layer has defined following string:

   ```
   ~(String)CELL~ SET_PARS_CELLNAME
   ```

   It specifies the name of the parameter, instead of which is substituted the specified cell name. This cell is then rendered in these coordinates.

2. Form layer **Line** displays boundaries of regions in Slovakia. In *DBColumnsToClient* is defined the following string:

   ```
   ~(string)LINE_COLOR~ SET_PARS_RGBCOLOR, ~(string)FILL_COLOR~, CASE
   WHEN ID=~(long)ID~ THEN '75 255 255 0' ELSE '0 0 0 0' END
   SET_PARS_RGBFCOLOR
   ```

   By using this string is specified the parameter name, instead of which is substituted color of region boundary lines. Furthermore by using CASE is set that the selected polygon region will be recolored, according to the ID called by the user from remote call (1 – 9).

3. Form layer **Text** displays texts to the coordinates of selected cities in Slovakia. In *DbColumnsToClient* is defined this string:

   ```
   CITY SET_PARS_TEXT, ~(string)BARVA_TEXTU~ SET_PARS_RGBCOLOR, '0 0
   500' SET_PARS_POINT_FROM_CORG
   ```

   It defines, that the texts are rendered from the column `CITY`. It also defines the parameter name for the text color.

These parameters in tildes (~) can be then called by remote call; it can be done in the local web server by clicking on button ![icon] *Launch in default browser*.

When entering the URL address into your browser, you can just define parameters and specify their values into displayed URL. When entering, the individual parameters are separated by **&**.

In this project, you can specify specifically for parameters **LINE_COLOR** and **TEXT_COLOR** any value in format ARGB, each value of ARGB code must be separated by a space character (**%20** character). Parameter **CELL** allows entering values *PointGreen* or *PointRed*, which are the names of cells from the cell library. For parameter **ID** it is possible to define the values 1 - 9, which corresponds to ID of polygons of individual regions. When entering higher or lower value than the specified range, no polygon will be recolored. The default value was deliberately set to -1, because in the project is not available an element with this id and we do not want any polygon to be recolored by default. The parameter **FILL_COLOR** allows defining color of the parameter in URL, but if the

user does not send the parameter ID, it will be preferentially used the value of a parameter ID, the value of parameter FILL_COLOR will not change.

Specifically, the values of parameters in URL can be entered for example like this:

```
[serveraddress]&default.aspx?themeId=XXY&LINE_COLOR=255%200%20128%200&TEXT
_COLOR=255%20128%200%20128&CELL=POINTRED&ID=6
```

After entering the server address, theme Id and specific parameters with specified values, will the status of the query result change from Fig 2 to Fig 3.

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