

Training Module Section VI

Publish Web Map by GMapFactory

1. Introduction


GMapFactory is a tool for rapid creation and deployment of mapping applications. In this tool you will be able to assemble all the parts to create your web mapping application such as: the mapping tools to use (i.e. ROSA applet), the layout of the application, and the design of the application.

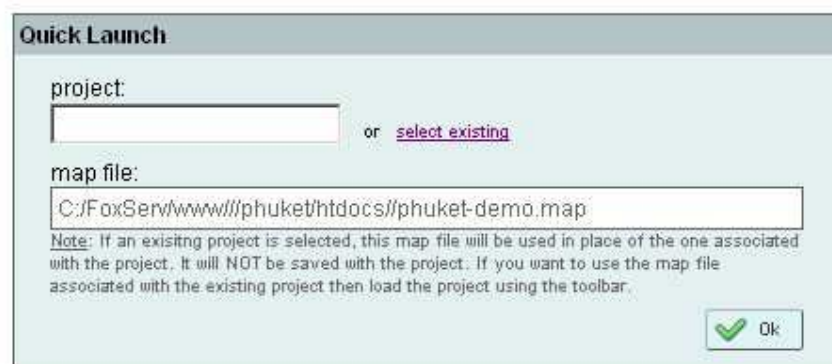
2. Objective

- 2.1 To familiarize with Maplab's GMapfactory application.
- 2.2 To interact with a creation of a web map project (HTML template).

3. Procedure

The first step is to create a folder to contain your project in.

- 3.1 If you are still in MapBrowser click on the GMapFactory button  this will open GMapFactory. The Quick Launch dialogue box will appear in GMapFactory saying that a project has not been selected yet. However it will already have a link to your phuket.map in the map file field.



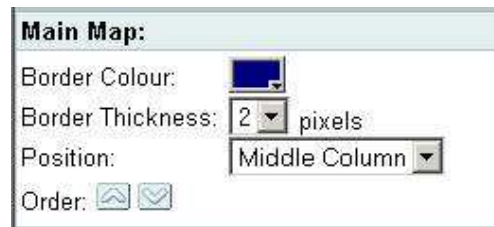
- 3.2 In the project field type mymap_project and click OK. This will be the name of your folder. You can now move on to the section titled Creating your application.

GMapFactory will take a moment to create the application.


3.3 Creating the layout of your application is fairly simple. GMapFactory is divided into several sections each pertaining to a certain section of the map. We'll move through each of this section to find out what they do.

In the main map section you can choose the colour of the border surrounding your map by clicking on the Select a colour button. You can also choose the thickness of the border by clicking on the drop down menu next to border thickness. Finally, you can adjust the position of the map on the application by using the drop down menu next to position. Experiment with these three functions. Remember to click the

Apply button  to see what the application will look like.





Main Map:

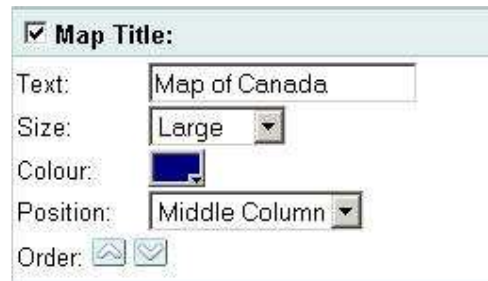
Border Colour: 

Border Thickness: 2 pixels

Position: Middle Column

Order:  


In the map title section, you can decide whether or not you want a title by clicking the box next to map title to remove the check mark. For this tutorial leave the map title visible. In the text box type in Map of Canada. This will be the title that appears on our mapping application.. The drop down box next to size determine the size of font you want to use for your title. You can also pick the colour of the font for your title and its position on the application. Experiment with all three of these functions.





☒ **Map Title:**

Text: Map of Canada

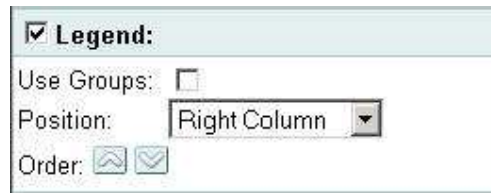
Size: Large

Colour: 

Position: Middle Column

Order:  



The legend section affects what the legend will look like in your application. Like the map title section you can choose whether or not to have your legend visible by clicking on or off the check mark. The User Groups box allows you to enable groups in your legend display, for example you can create the group water and under water list the layers rives, lakes and oceans. However, to enable user groups you must set up groups in the mapfile. Since we have not done this, we will leave this option alone. You can also decide the location of the legend on your application.



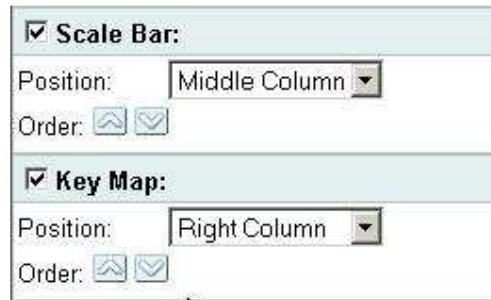
☒ **Legend:**

Use Groups: ☐

Position: Right Column



Order:  

In the scale bar section and key map section you can use the drop down menu to determine their locations on the map.





☒ **Scale Bar:**

Position: Middle Column

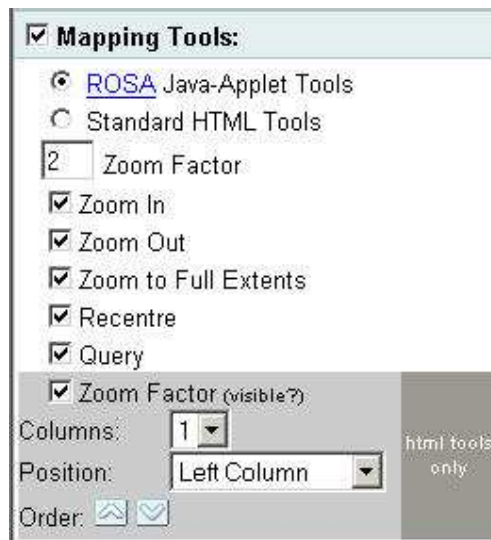
Order:  

☒ **Key Map:**

Position: Right Column

Order:  

In the mapping tools section you can decide which tools you want in your application. For example, you may decide that you do not want the ROSA applet but you only want HTML tools displayed. You can also click on or off the various tools, like the zoom in button to determine whether or not you want them on your application. In the Zoom factor box you can decide how far the zoom in or zoom out button will zoom. If you are using HTML tools instead of the ROSA applet, you can use the drop down menu to decide where to position them on your map.



☒ **Mapping Tools:**

☒ ROSA Java-Applet Tools

☐ Standard HTML Tools

2 Zoom Factor

☒ Zoom In

☒ Zoom Out

☒ Zoom to Full Extents



☒ Recentre

☒ Query

☒ Zoom Factor (visible?)

Columns: 1

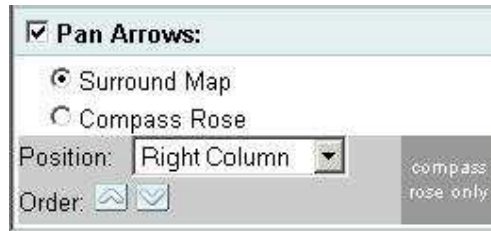
Position: Left Column

Order:  

html tools only

In the pan arrow section you can decide whether or not you want your pan arrows to surround the map or be assembled into a compass rose. If you chose the compass rose you can also decide where you would like to place it on your map by

using the drop down menu.



3.4 Congratulations, your application is now ready to be published on the web.

4. Conclusion

In this module, we have seen how to create web map project to publish a gis data integrate with an online data via wms connection on the WWW. GMapfactory is an apart of Maplab which is open source tool for the creation of web mapping applications.

5. Reference

This section was modified and reference from the

MapLab Get Started Manual

Samantha Baulch

DM Solutions Group Inc.

baulch@dmsolutions.ca

A copy of the GNU Free Document License can be found at
<http://www.gnu.org/licence/fdl.html>.