

Part 1

I have two WordPress plugins I need to integrate. Participant Database and MapSVG I upload contact files that are stored to a MySQL table in WordPress. I need that information to be able to be synced between the two databases. The addresses will need to be geocoded, but the MapSVG has an import function which can be utilized to achieve that.

Part 2.

I need to utilize the map's markers JavaScript popups on the MapSVG plugin maps to capture additional information and update the database with more information. You can see an example of the current popups at <http://elections.mn/civCRM/index.php/map-test/> There will be a few radio boxes, a drop down, and a text area that need to be captured and put in the database.

When those records are updated, I need them synced back to the Participant Database table.

Requirements:

Thorough documentation: I need documentation and comments within the code explaining what is being done for future updates and troubleshooting.

Minimal / No editing of core files: Your work should be called into the existing WordPress and plugin systems to maintain stability after upgrades.

Flexibility: It's likely that we may find things that need to be tweaked along the way.

I'm attaching images to help you see the database structures and current code. Once hired, you will have access to the databases and website, but let me know if you have any questions before applying.

Participant Database structure

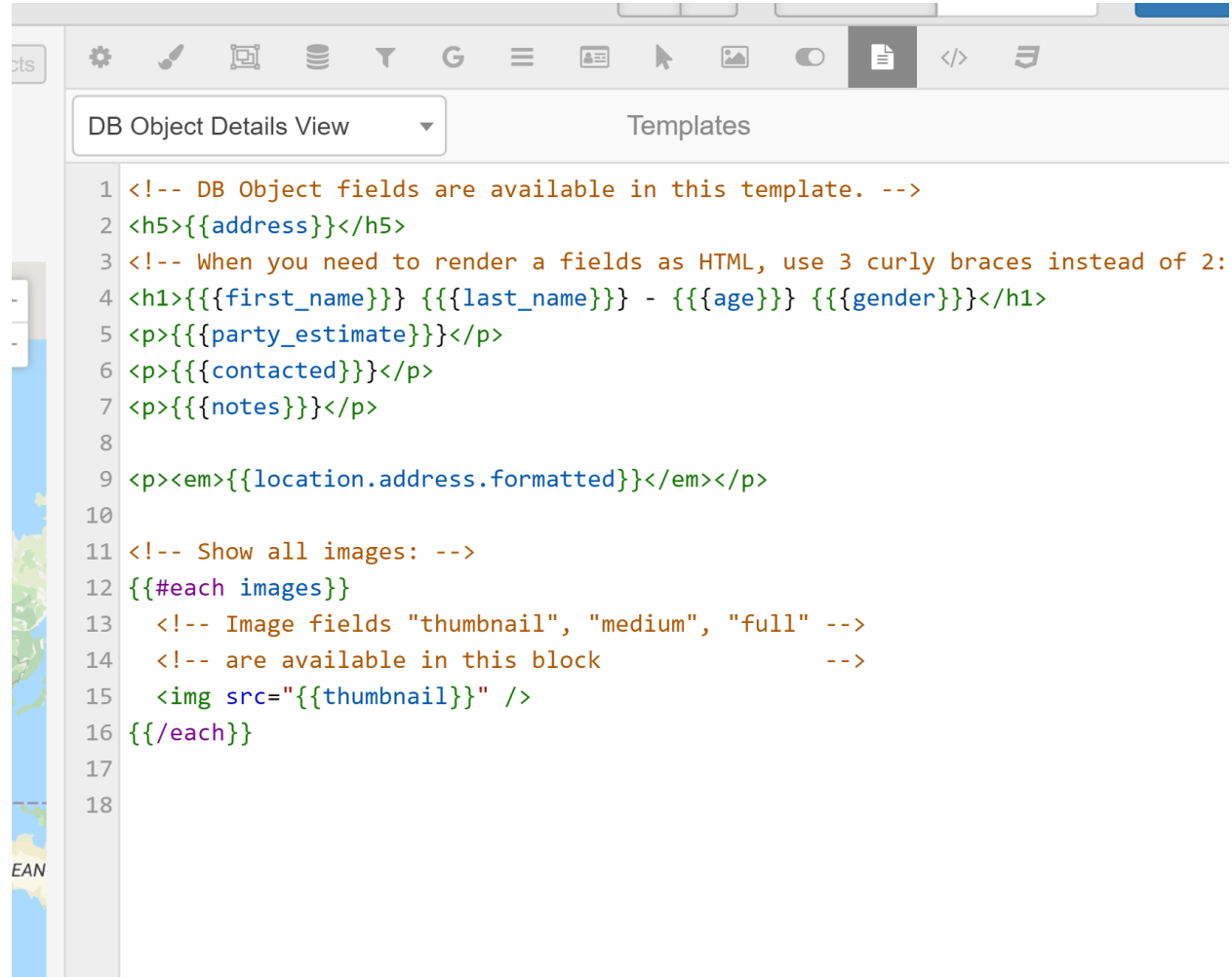
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(6)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 private_id	varchar(9)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 first_name	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 last_name	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5 address	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6 city	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	7 state	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	8 country	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	9 zip	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	10 phone	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	11 email	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	12 mailing_list	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	13 photo	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	14 website	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	15 interests	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	16 approved	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	17 date_recorded	timestamp			No	CURRENT_TIMESTAMP			Change Drop More
<input type="checkbox"/>	18 date_updated	timestamp			Yes	NULL			Change Drop More
<input type="checkbox"/>	19 last_accessed	timestamp			Yes	NULL			Change Drop More
<input type="checkbox"/>	20 age	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	21 gender	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	22 county	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	23 precinct	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	24 statevoterid	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	25 party_estimate	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	26 client	tinytext	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	27 notes	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	28 contacted	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	29 supporter	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	30 voting	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	31 contact_result	text	utf8_unicode_ci		Yes	NULL			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Fulltext Fulltext

MapSVG contact database structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 first_name	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 last_name	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	4 age	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	5 gender	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	6 address	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	7 city	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	8 state	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	9 zip	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	10 phone	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	11 county	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	12 precinct	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	13 statevoterid	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	14 party_estimate	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	15 client	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	16 contacted	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	17 contacted_text	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	18 contact_result	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	19 supporter	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	20 supporter_text	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	21 voting	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	22 voting_text	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	23 notes	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	24 location	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	25 location_lat	float			Yes	NULL			Change Drop More
<input type="checkbox"/>	26 location_lng	float			Yes	NULL			Change Drop More
<input type="checkbox"/>	27 location_x	float			Yes	NULL			Change Drop More
<input type="checkbox"/>	28 location_y	float			Yes	NULL			Change Drop More
<input type="checkbox"/>	29 location_address	text	utf8_unicode_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	30 location_img	varchar(255)	utf8_unicode_ci		Yes	NULL			Change Drop More

Admin Backend of MapSVG for clicking on a marker



The screenshot shows the Admin Backend of MapSVG interface. At the top, there is a toolbar with various icons for editing and viewing. Below the toolbar, the main area is titled "DB Object Details View" and "Templates". The code editor displays the following template code:

```
1 <!-- DB Object fields are available in this template. -->
2 <h5>{{address}}</h5>
3 <!-- When you need to render a fields as HTML, use 3 curly braces instead of 2:
4 <h1>{{{first_name}}} {{{last_name}}} - {{{age}}} {{{gender}}}</h1>
5 <p>{{{party_estimate}}}</p>
6 <p>{{{contacted}}}</p>
7 <p>{{{notes}}}</p>
8
9 <p><em>{{location.address.formatted}}</em></p>
10
11 <!-- Show all images: -->
12 {{#each images}}
13   <!-- Image fields "thumbnail", "medium", "full" -->
14   <!-- are available in this block -->
15   
16 {{/each}}
17
18
```

The sidebar on the left shows a map of the United States with a marker. The text "EAN" is visible at the bottom of the sidebar.