Jorge Garifuna
http://www.jgari.com
http://www.GariDigital.com
info@GariDigital.com
Created: 5/1/06
Updated: 6/7/06

ATK Code Generator

Table of contents

Summary

This module generates source code for ATK nodes based on their database definitions.

Disclaimer:

Use this code at your own risk. The author has done his best to eliminate as many bugs as possible
It is highly recommended that you backup all your files prior to running this script.
The author is not reponsible for any damages resulting from the use of this script.

Having said that....

Installation:

You can install this script like you would any other ATK script. Here is what I recommend:

1. create a folder called "gkcode_generator" within the "modules" folder of ATK
2. Copy this script to the folder

3. modify your config.module.inc to include the following line: module("gkcode_generator");
4. the module.inc file withing the "gkcode_generator" folder should look as follows:

```php
<?php
  class mod_gkcode_generator extends atkModule
  {
    function getMenuItems()
    {
        $menu_label = "ATK Code Generator";
        $module = "gkcode_generator";
        // parent menu
                $this->menuitem($menu_label);
                        $this->menuitem("Code Generator<hr>",
dispatch_url($module.".code_generator", "intro"), $menu_label);
        }// end mod

    }
  ?>
```

5. modify the variable "$destination_folder" below to the folder where you want the generated code to go
6. fire up ATK and click on the menu link "ATK Code Generator" from the left
7. place a check mark next to the tables you want ATK code to be generated for and click on the "next" button at the bottom of the page
8. enter a module name at the top of the page and select/deselect the options you want for each node. For the most part the default options will work fine
9. click on the "Generate Code" button located at the bottom of the page
10. If you selected to have your new module created within the "modules" folder of ATK, then you can test your new module by simply clicking on the menu link "Back to Main" and you will see the name of the new module within the menu left menu of ATK
11. If you selected for the generated code to be stored on a different location then go to that location to see the generated files and copy them to the appropriape ATK path to see them in action

Flow

This application operates based on the following flow:

1. User gets presented with all the tables of the current database
2. The user selects which tables code should be generated for
3. User previews and adjust fields and nodes settings prior to generation
4. User instructs code generation by clicking on a button

Controls (on preview)

Module control

Module name:	

Node Controls

Node Name	
Add Link	☐ CheckBox1
Track Changes	☐
Edit after add	☐
Copy	◉
Edit after copy	◉
Multi Record Action	☐

Attribute Controls

Name	Obligatory	Hide List	Hide Add	Read Only	Searchable	Index(1 per node)	Order By	Total	
Test1	☐	☐	☐	☐	☐	◉	☐	☐	
Test2	☐	☐	☐	☐	☐	◉	☐	☐	

Notes

to-do notes (5/2/06)

- make first field of type varchar searchable (done 5/2/06)
- make fields with names image, photo,file, attachment of file type (done 5/2/06)
- make created_date hide add, hide list, read only (done 5/2/06)
- make modified_date hide add, hide list, read only (done 5/2/06)
- add check box to create either regular node or meta node next to module name (done 5/2/06)

- add check box to back up existing files next to module name
- add attribute tab field (done 5/2/06)
- hide "text" type fields from list (done 5/2/06)
- only allow one field for index (done 5/2/06)
- include relationships with option to create code or not (done 5/2/06)

Interface control field naming convention

- Node_name_node_type
- Node_name_node_options[]
- Node_name_index_attribute
- Node_name_order_attribute
- Node_name*attribute_name_tab_name
- Node_name*attribute_name_attribute_options[]
- Node_name*attribute_name_atk_attribute_type
- Node_name*attribute_name_relation
- name_node_relations[]
    o value format:
        source_node*source_field*destination_node*destination_field*type