539 - Project 2

Goal: To enhance your project 1 cms by syndicating your news content, displaying at least one web service out of a choice of 3, and displaying your classmate's RSS feeds, thus demonstrating your knowledge of XML processing.

Requirements

1. Your site will be located at
   http://people.rit.edu/~abc1234/539/project2/index.php
2. Your site will be meet all of the project 1 requirements, plus all additional requirements detailed below.
3. Your site will add/update the following pages: index.php, news.php, project2.rss, RSSFeed.class.php, services.php, admin.php and P2_Utils.class.php
4. project2.rss
   o **Must be located at**:
     http://people.rit.edu/~abc1234/539/project2/project2.rss
   o Will be a static XML file in the RSS format created by RSSFeed.class.php
   o Will contain the last 10 news posts from your site. The time, subject, and content fields of the news posts will all be utilized.
   o See an example RSS file here:
     http://www.ist.rit.edu/~bdf/539/project2/project2.rss
   o See this quick tutorial (http://www.petefreitag.com/item/465.cfm) on how to create an RSS 2.0 feed.
5. RSSFeed.class.php
   o This PHP class will create project2.rss and save it to disk.
   o This class is called (instantiated) when the admin adds a new item.
6. admin.php - everything as in project 1 plus:
   o As mentioned above, every time a new news item is added, create an instance of RSSFeed.class.php and have it save the results to disk as project2.rss (see item 4)
   o Add a section where the admin can choose which of their classmate's RSS feeds they wish to include on services.php. page Use checkboxes or some other selection mechanism that will allow between 0 and 10 classmates to be included.
   o The section of admin.php that allows the admin to choose which classmate feeds they are subscribed to must always show the currently selected feeds when the admin panel opens. This data can either be stored in the rss_xml file, or in another XML file.
   o Add a section where the admin can select from up to 3 services from elsewhere on the web. These Web Service (see www.programmableweb.com for ideas) can be the weather, stock market information, etc. AS LONG AS they are not the ones we used in class.

7. The list of class RSS feeds can be found at
   http://www.ist.rit.edu/~bdf/539/project2/rss_class.xml
8. services.php
   o Will display the last 2 news items from several of your classmate's news items. These news items will come from your classmate's RSS feeds. The feeds/items selected will be chosen by the admin on the admin page. You must also validate whether the feeds exist and are valid. If they are not, you must display an appropriate message.
   o Will display a hypertext link to your project2.rss feed.
   o A link to this page will need to be added to your global navigation system.
9. Index.php
   o Display of home page changed from project 1 WITHOUT changing code other than using a different template or by calling the functions in the library in a different order. Leave old code in but commented out.
   o You will also display up to 3 services from elsewhere on the Web as selected by the admin on admin.php. (see item 6).

10. news.php
    o You need to create permalinks (http://en.wikipedia.org/wiki/Permalink) to your individual news items when displaying them.
    o The permalink will be part of the news item and when clicked on will display that news item in a page by itself (preferably with a way to get back as well) that fits in with your design.
11. P2_Utils.class.php
    o Place any project 2 helper functions here as *static* methods.
12. You must use DOMDocument or XMLReader methods to create and manipulate your XML.

Grading
Doing the above well will result in a maximum grade of a 85. To get an A, you must go "above and beyond" in some way. See the gradesheet for some options. **Note: These options must be different/in addition to what you did for project 1.** If you wish to be considered for an A on this project, you must document your extra work when you submit your files to the mycourses dropbox.

Due: Day 1, Week 8 @ 11:59PM

Component	Possible Points	Points Achieved
Pass HTML 5 validation (except pages displaying services)	**5**	
Has minimum required pages (: index.php, news.php, project2.rss, RSSFeed.class.php, services.php, admin.php and P2_Utils.class.php **) in the correct directory**	**5**	
Doesn't meet Project 1 Requirements	**-20**	
index.php (additional requirements)		
Display of home page changed from project 1 WITHOUT changing code other than using a different template or by calling the functions in the library in a different order. Leave old code in but commented out.	**5**	
Includes 3 services from elsewhere on the Web that are selected on the admin.php page	**5**	
news.php (additional requirements)		
Permalink in news items displayed	**5**	
When permalink is clicked on, the news item will open up in a new page by itself with appropriate navigation to get back and fitting in with the design of the stie.	**5**	
admin.php (additional requirements)		
An area to select up to 10 (maximum) of your classmates news feeds to follow. Validates number selected. Saves currently selected items.	**10**	
An area to select up to 3 (maximum) of other services found on the Web to be displayed on home page. Validates number selected. Saves currently selected items.	**10**	
project2.rss		
Must be located at: http://people.rit.edu/~abc1234/539/project2/project2.rss	**2**	
Will be a static XML file in the RSS format created by RSSFeed.class.php	**2**	
RSSFeed.class.php		
This PHP class will create project2.rss and save it to disk.	**7**	
This class is called (instantiated) when the admin adds a new item	**3**	

You must use DOMDocument or XMLReader methods to create and manipulate your XML.	**5**

services.php	
Will display the last 2 news items from several of your classmate's news items. These news items will come from your classmate's RSS feeds. The feeds/items selected will be chosen by the admin on the admin page. You must also validate whether the feeds exist and are valid. If they are not, you must display an appropriate message.	**7**
Will display a hypertext link to your project2.rss feed.	**2**
A link to this page will need to be added to your global navigation system.	**2**

P2_Utils.class.php	
Place any project 2 helper functions here as **_static_** methods.	**5**

| **SUBTOTAL** | **85** |

Extras (must be different than ones used for Project 1!)	Possible Points	Points Achieved
Convert news.txt, editorial.txt, banners.txt and ads.txt (if done) to xml files and used appropriately	**10**	
Contact Us Form	**3**	
Mobile version – with separate css, navigation link and possibly automatic detection based on user agent with link to full version	**10**	

if desired.

Allow user to choose number of news items per page with navigation adjusted accordingly	**5**
Meaningful news items	**5**
Design/Navigation Extras	**5**
Advertisements page with associated admin section (like news.php) including separate file and content	**15**
Banner maintenance section on admin.php	**7**
WYSWIG editor for text areas	**5**
The banners will be displayed in order based on some weighting system (eg. banners with a weight of 1 will be displayed twice as many times as a weight of 2 and all banners of the same weight will be displayed the same number of times).	**5**

Extra Points Earned:

Grade Earned (maximum : 100 points)   **100**