References

The syndication feed framework
http://www.djangoproject.com/documentation/syndication/
RSS
Really Simple Syndication
Rich Site Summary

XML format for distributing news headlines and Web content
http://www.jisc.ac.uk/index.cfm?name=fairsynthesis_glossary

Used to aggregate news, blogs, changes in web sites
Poll Example

Notify users when a poll has been posted
from django.contrib.syndication.feeds import Feed
from cs683.polls.models import Poll

class SitePollFeed(Feed):
    title = "CS 683 Polls"
    link = "/polls/"
    description = "Polls of interest to students in 683"

    def items(self):
        return Poll.objects.order_by('-pub_date')[:5]
from django.conf.urls.defaults import *
from cs683.feeds import SitePollFeed

feeds = {
    'latest': SitePollFeed,
}

urlpatterns = patterns('',
    # some stuff removed
    (r'^feeds/(?P<url>.*)/$', 'django.contrib.syndication.views.feed',
     {'feed_dict': feeds},
)
from django.db import models

class Poll(models.Model):
    question = models.CharField(max_length=200)
    pub_date = models.DateTimeField('date published')

    def __str__(self):
        return self.question

    def get_absolute_url(self):
        return f"/polls/{self.id}/details.html"  

class Admin:
    date_hierarchy = 'pub_date'
    list_display = ('question', 'pub_date', 'foo')
    list_filter = ('pub_date', )

class Meta:
    ordering = ['-pub_date']
    permissions = (  
        ('can_view', 'Can view poll list'),  
        ('can_vote', 'Can vote'),  
        ('can_see_results', 'Can see voting results'),
    )
Admin site

Django administration

Welcome, whitney. Documentation / Change password / Log out

Home › Sites › 127.0.0.1:8000

Change site

<table>
<thead>
<tr>
<th>Domain name:</th>
<th>127.0.0.1:8000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display name:</td>
<td>CS 683</td>
</tr>
</tbody>
</table>

Delete

Save and add another | Save and continue editing | Save
# CS 683 Polls

<table>
<thead>
<tr>
<th>Poll</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>When will a new poll appear?</td>
<td>Today, 11:02 AM</td>
</tr>
<tr>
<td>What's up doc?</td>
<td>Yesterday, 06:20 PM</td>
</tr>
<tr>
<td>Do you like Python?</td>
<td>Yesterday, 06:20 PM</td>
</tr>
<tr>
<td>Do you like Django Reinhardt's music?</td>
<td>Yesterday, 06:20 PM</td>
</tr>
</tbody>
</table>

[Read more...]
Testing
How?