**News Feeder**  
  
**URL:** [newsfeeder.iann0036.com](http://newsfeeder.iann0036.com/)  
**Company/Blog URL:** [company.newsfeeder.iann0036.com](http://company.newsfeeder.iann0036.com/)  
  
**Concept Design**  
<http://www.dumpt.com/img/viewer.php?file=e5fekvxusxw2euwlrosf.png>  
<http://www.dumpt.com/img/viewer.php?file=b2d2htewtayl2y9cpd36.png>  
<http://www.dumpt.com/img/viewer.php?file=cja9mealzisjf1s1b2o3.png>  
  
**Source Formats**  
- E-mail (Formats in the e-mail may be lost, but it does not matter :P)  
- Website (RSS feed is fine enough)  
- Forum (Howerver, most of forums do provide RSS support)  
- Social Network (Alex: I don’t use facebook or tweeter :(... So is that possible to access those things via APIs by them, if they provide … Ian: I’ve had some experience with those API’s, they’re easy :))  
- PDF (Not that easy to import, Ian: Why would we need to import PDF’s?)  
- Mobile website (Have to do some research on detecting them)  
  
Note: Generally there are only 2 kinds of source formats:  
 ACSII files: RSS, XML, etc. Mainly for RSS.  
 Binary files: PDF, etc. Those formats could not be rebuilt but could be an object.  
  
**Export Formats** (Alex: I’d like to separate them because we could import something that we can’t generate)  
- E-mail (Exactly the same as website)  
- Website (Probably in html)  
- PDF (Postscript may be used or export from html, Ian: PHP generates PDF files nicely)  
- Mobile website (It depends. Smart phone could use html. Otherwise, mobile only supports WML)  
- RSS (RSS Aggregator)

- OPML  
  
Note: Generally there are only 2 kinds of export formats:

Multimedia (based on HTML)

Plain text (based on plain text in UTF-8)

**Possible Platforms**  
- Mac OS X  
- Windows  
- Linux  
- Mobile (probably in browser only. We could have applications if have time)  
  
**Possible Content**  
- News  
- Weather, BOM alerts  
- E-mails  
- Calendar/Schedule  
- *Podcasts*  
*- Social Networks*  
*- YouTube Subscription Updates*  
*- Local TV Guide*  
*- Local Movie Listings*  
*- Local Shopping Sales*  
*- Blog posts*  
  
**Possible Stakeholders**  
- Business people  
- Children  
- Students  
- IT Enthusiasts  
- General Public  
  
**General Brainstorming**  
- jQuery could be used to create a dynamically updating news-feed page  
- Customized news sources (example: SOLS messages) could be generated by a learning mechanism  
~~- For website pages, use CSS to make the layout.~~  
~~- Geolocation-specific browsing could prove problematic, possibly scanning the text for locations and using Google Maps API to find general distances could work.~~  
- Constant site crawling can annoy some webmasters. In addition to information being sent with the crawlers headers, an opt-out type mechanism should be provided on the public front-end..this is a social and ethical issue \*cringes from HSC\*  
~~- News-feed downloader offline application~~  
- What about template engine? Ian: Good idea, I was thinking about having a few predefined templates, and possibly even a custom layout interface for users.  
- People can share their news-sheets  
- People can change the layout of news-sheets as they like (think about Ajax?) Ian: as above  
- Open APIs

- Follow robots.txt  
  
**~~Database Layout Draft~~****~~Users~~** ~~id int  
username text  
password text (MD5’d)  
realname text  
email text  
verified bool~~**~~Feeds~~** ~~id int  
username text  
title text (Section title)  
url text  
frequency int~~**~~Feed Content~~** ~~id int  
feedid int  
data text  
date timestamp~~  
**Interface**  
- Should be fancy interface due to today’s trade show  
- The Client only see the interface : (  
- That’s why the first winner is always Game Projects  
- Ian: ~~Luckily, trade show is NOT marked~~ My bad, it is INDEED marked

**Front-End**

*(*[*http://forums.techarena.in/guides-tutorials/971829.htm*](http://forums.techarena.in/guides-tutorials/971829.htm)*)*

Multiple Viewing Panes – Can view different sheets at the same time

Date Sorting **X**

Relevance Sorting – BIG AI THING

Item rating

Flag / Star items??...

Geolocation Sorting (Nearest to me)

Mark Feed Read/Unread?

Import Content (Comma Separated Values, OPML) **X**

Export Content (Comma Separated Values, OPML) **X**

Shortcut Keys

Sheet Sharing / E-mail a Sheet / Sharing link to cached sheet

Clipboard Modification

Search sheets by keyword?

Tagging?

Search web for content by keyword? **X**

Recommendation Engine – BIG AI THING

Public Subscriber Counts (Statistics) **X**

Mobile Access – Very low requirement

Deletion

Deleted items section?

Bad word censoring **X**

Content filtering (filtering out prons, etc)

Abuse Reporting Blacklist

**Back-End**

Parse RSS feeds **X**

Parse other source types (see above)

Update when new content is available **X**

Crawling

Tagging?

Feed grouping

Geolocation?

Image Grepping?

RELEVANCE ALGORITHM (Related feeds)

Reparsing updated items?

PRIORITY ALGORITHM