

## **Project Overview**

The primary goal of this project is to provide a better list of existing coworking spaces than the current wiki system can. The project is intentionally limited in scope since the user base is vast, possibilities are endless, and simplified ongoing maintenance is a top priority. Great care has been taken to preserve the primary benefits of the current system which are openness, neutrality, and remaining non-commercial. There are a number of commercial directories in existence and this system should complement, not compete with any one of them.

The interface will be embedded into the main coworking wiki located at [wiki.coworking.com](http://wiki.coworking.com). The data for individual sites will be stored on their web server. The back end mechanisms will be invisible to users.

Throughout this document I have indicated which items must be in the first revision (core), which ones would be nice to have (primary) and which ones are less important (secondary).

### ***Existing Examples***

Google Analytics and Flickr Slideshows have both done an excellent job abstracting technical details, making it easy for non-technical users to easily add remote functionality into their own website. They have online wizards to help generate code that is then embedded into HTML pages providing content that lives on a remote server.

Facebook/Open Graph use named meta tags.

<https://developers.facebook.com/docs/opengraphprotocol/>

We should also understand this important RFC  
RFC6415 - Web Host Metadata - <http://tools.ietf.org/html/rfc6415>

### ***Adding A Coworking Space***

#### **User adds site data to their website (core)**

The meta-data for each space is posted on their website, embedded in the homepage.

#### Required Parameters

name: Office Nomads  
main-url: <http://officenomads.com>  
contact-email: [info@officenomads.com](mailto:info@officenomads.com)  
latitude: 47.616911109879375  
longitude: -122.32242107391357

### Optional Parameters (Core):

contact-url: <http://officenomads.com/about/contact-us/>  
directions-url: <http://officenomads.com/about/map/>  
pricing-url: <http://officenomads.com/membership-pricing/>  
blog-url: <http://officenomads.com/blog>  
calendar-url: <http://officenomads.com/about/calendar/>

### Optional Parameters (Primary)

facebook: <https://www.facebook.com/OfficeNomads>  
flickr: <http://www.flickr.com/photos/20916143@N03/>  
yelp: <http://www.yelp.com/biz/office-nomads-seattle-2>  
vimeo: <http://vimeo.com/user3811145>  
youtube: <http://www.youtube.com/user/officenomads>  
twitter: officenomads  
calendar-rss: <feed://calendar.google.com/OfficeNomads>  
blog-rss: <feed://officenomads.com/?feed=rss2>

## User adds a website to the system (Core)

The user is presented with a form that asks for the main URL of their website. The system will check the website and if the required meta-data is missing or the format is invalid the user will receive an error in real-time.

The system will send an email to *contact-email* to notify them that the site has been entered into the system. The user will need to verify they received the email by clicking on a link provided.

The system will periodically check all sites in the system for changes. If any changes are made an email is sent to *contact-email*. If *contact-email* has changed an email will also go out to the previous *contact-email* as well. This can be as slow as daily if needed.

When a site is added or a change is detected, a log should be kept. Additionally the IP address of the user should be logged when a site is added.

## Validation

*Main-url* is defined by the site where the data is found.

*Main-url*, *name*, *contact-email*, *latitude*, and *longitude* are required. All other parameters are optional. Missing required parameters throw a real-time error when a site is added to the system or generate an email to *contact-email* if the site is changed.

later.

*Pricing-url*, *contact-url*, and *directions-url* should be checked that they are on the same domain as the *main-url* or if no base URL is provided it is assumed to be a page off the *main-url*

These are the same:

main-url: http://officenomads.com

pricing-url: http://officenomads.com/membership-pricing/

pricing-url: /membership-pricing/

pricing-url: membership-pricing

This is invalid:

main-url: http://officenomads.com

pricing-url: http://someothersite.com/membership-pricing/

*Facebook*, *flickr*, *yelp*, *vimeo*, *youtube*, and *twitter* can either contain the full URL to the different sites, or just the user account key.

All URLs should be checked they do not return 4xx or 5xx errors.

## **Data Creation Wizard (core)**

A tool to help users find their space on the map and create their meta-data. It should prompt for all the necessary information and then present the user with valid meta-data and clear instructions on how to add the data to their website.

## **Data Output Widgets**

These tools provide user friendly interfaces to create code snippets that can be embedded in other websites much like google analytics, and flickr do.

## **Regional List/Map Widget (Core)**

Users can specify a subset of data constrained by a region (country, state/province, city). The data will be presented in a Google Map, formatted HTML list, XML, or CSV.

Additionally the data can be outputted as an RSS feed for a user to keep track of new spaces coming online in a given area.

## **Data Aggregation Widget (Secondary)**

Twitter, Facebook, calendar, and blog data can be aggregated for a specified region and outputted in a formatted HTML list or RSS feed.

