NGDS UI

Configuration Options

The NGDS UI requires to be configurable. There are three parameters that influence the functionality that should be made available to the user:

1. System Configuration, and
2. User Role
3. Ownership

The following Figure 1 shows which UI menus and features shall be available depending on those two parameters.



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Map Search



Library Search



Map Search



Library Search



User Feedback



Social Net Features



Editing



Publishing





Map Search



Library Search



User Feedback



Social Net Features



Upload



Editing



Publishing



Admin



Map Search



Library Search



User Feedback



Social Net Features



Upload



Editing



Map Search



Library Search



User Feedback



Social Net Features





Map Search



Library Search



N/A





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

Map Search



Library Search



User Feedback



Social Net Features



Admin



Harvesting









N/A



Map Search

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Library Search

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User Feedback

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Social Net Features

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Steward

Admin

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Figure : Image of UI configurations.

Question: how does a Steward get feedback?

Reorder Submitter, Steward and Admin features. Put in order of “what is the main part of their job” first. Explain that a Submitter, for example, only uses Map Search to investigate the data that has been uploaded and finds issues.

The local users (anonymous and user) really serve no purpose. Rather the users should simply look at data through the Portal

As can be seen the two parameters System Configuration and User Role have a matrix-like impact on the available UI functionality. The parameter Ownership only influences the editing option. Essentially only a dataset owner can edit a dataset with the exception of the data steward who is also allowed to edit datasets.

The following table summarizes all UI features that are required to be available (and configurable):

|  |  |  |  |
| --- | --- | --- | --- |
| # | Feature | Type | Description |
| 1 | Map Search | Main Tab | This is a main page allowing for searching with a map |
| 2 | Library Search | Main Tab | This is a main page allowing for searching with facets |
| 3 | User Feedback | Pop Up | This is a popup feature enabling the user to comment datasets |
| 4 | Social Networking | Pop Up | This is a popup feature that allows the user to connect datasets to social networks and to follow datasets. |
| 5 | Uploading | Main Tab | This is a main page allowing for creating datasets and uploading resources |
| 6 | Editing | Link in lists of results | This is a link that brings the user to the main tab for editing datasets (it’s a pre-populated upload page). This option shall only be available to the owner and the stewards. |
| 7 | Publishing | Link in editing page | This link on the editing tab enables stewards to publish (or un-publish) a dataset. |
| 8 | Administration | Main Tab(s) | This is an aggregation of multiple management features incl. User Management, review logs, set configuration parameters. They probably are distributed over multiple main pages. |
| 9 | Harvesting | Main Tab | This is a main page that allows administrators to configure harvesting. It should only be available in portal configurations. |

The UI design concept must support such configurability. It should:

* Allow for dynamic main menu entries for the main pages/ tabs
* Links and pop-ups shall be rendered dynamically into the page

Features

General Node Configuration

This is basic configuration about the node. This configuration may not be handled through the UI. This includes:

* + Logo
  + Node Name
  + Node URL
  + Database
    - Configure database access?

Harvesting Configuration

This is the basic configuration parameters for the Harvesting Page

* + Allow this node to sign up another node with NGDS (Portal Node only)

This allows the portal node administrator to sign up an NGDS   
Node-in-the-box or a non-NGDS node with NGDS. This is only done by the administrator at the Portal Node. The assumption is that the “local” administrator has either downloaded NGDS software locally and has configured the local NGDS node appropriately or if the local node is a non-NGDS node then there are minimum requirements that the local node must be met for example it must export its metadata using CSW.  
  
The UI page needs to specify: the URL, local node contact (i.e. administrator name and email)

Home Page Configuration

This is the basic configuration parameters for the Home Page. This includes:

* + Logo
  + Geo Exploration Images
  + RSS Feed for Data Watch
  + Home Page Footer data
  + RSS Feed for data contributor

Map Page Configuration

This is the basic configuration parameters for the Map Page. This includes:

* + Map Faceted Search Parameters. We believe that these parameters are different than library faceted search parameters.
  + Layers (TBD)
    - Layer Name
    - Data source (?)
    - Color
  + Basemaps (TBD)

Library Page Configuration

This is the basic configuration parameters for the Library Page. This includes:

* + Library Faceted Search Parameters. We believe that these parameters are different than map faceted search parameters.

Resource Page Configuration

This is the basic configuration parameters for the Resource Page. This includes:

* + Tools
    - Name
    - URL
    - Description
  + Websites
    - Name
    - URL
    - Description
  + Contact Email address

Contribute Page Configuration

This is the basic configuration parameters for the Contribute Page. This includes:

* + Show Contribute Page (yes/No) (Contribute page will only exist at a local note)
  + Organizations
    - Name
    - URL to Organization/Project.
  + RSS Feed for datawatch

Social Networking

This is a feature that is available to privileged uses. Users with this privilege have the social networking capability to provide comments to social networking group

Upload data

This is a feature that is available to privileged users. Users with this privilege have the ability to upload data to a node and where necessary manually enter metadata.

Editing

This is a feature that is available to privileged users. Users with this privilege have the ability to update previously uploaded data to a node and where necessary manually update (re-enter) metadata.

Publish Resource Data

This is a feature that is available to privileged users. Users with this privilege have the ability to publish and un-publish uploaded data. Published data’s metadata is available for harvesting by the central (aggregating) node.

Provide Feedback on data quality

This is a feature that is available to privileged users. This allows users to directly mark data that they believe have quality issues allowing data stewards to directly search for these issues to determine how to resolve the issue.

Search for data quality Issues

This is a feature that is available to privileged users. Users with the privilege (often a data steward) may perform searches for data resources that have been marked as having quality issues. Note that the data steward needs to be able to search for data quality issues that have been marked in the portal node, yet the data is on the local node-in-the-box sp this needs further clarification as to how these issues are found and resolved.

Manage Content Model

This is a feature that is available to privileged users. Users with this privilege have the ability to create new content models, upload shape files, and publish the model.

Resource Management

This is a feature that is available to privileged users. Users with this privilege have the ability to apply data access permissions on Resource Collections.

Manage User Groups

This is a feature that is available to privileged users. Users with this privilege have the ability to add and remove user groups from NGDS either local or from the portal.

Manage Users

This is a feature that is available to privileged users. Users with this privilege have the ability to add and remove users from NGDS either local or from the portal.

System Administration

This is a feature that is available to privileged users. Users with this privilege have the ability to perform several administration tasks such as:

* search, sort and view activity and system logs
* export selected metadata records.
* Utilize a monitoring service that sends test requests to all services periodically and monitor response times.
* Backup and restore data and metadata
* Perform a System upgrade

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| # | Feature | Central / Administrator | Central / Anonymous User | Central / Logged in User | Central / Submitter | Central / Data Steward | Local / Administrator | Local / Anonymous User | Local / Logged in User | Local / Submitter | Local / Data Steward |
| 1 | Harvest Configuration | X |  |  |  |  |  |  |  |  |  |
| 2 | Home Page Configuration | X |  |  |  |  | X |  |  |  |  |
| 3 | Map Page Configuration | X |  |  |  |  | X |  |  |  |  |
| 4 | Library Page Configuration | X |  |  |  |  | X |  |  |  |  |
| 5 | Resource Page Configuration | X |  |  |  |  | X |  |  |  |  |
| 6 | Contribute Page Configuration |  |  |  |  |  | X |  |  |  |  |
| 7 | Social Networking |  |  | X |  |  |  |  |  |  |  |
| 8 | Upload Data |  |  |  |  |  |  |  |  | X | X |
| 9 | Editing |  |  |  |  |  |  |  |  | X | X |
| 10 | Publish Resource Data |  |  |  |  |  |  |  |  |  | X |
| 11 | Provide Feedback on Data quality |  |  | X |  |  |  |  |  |  |  |
| 12 | Search for data quality Issues |  |  |  |  | ? |  |  |  |  | ? |
| 13 | Manage Content Model |  |  |  |  |  | X |  |  |  |  |
| 14 | Specify Resource Access |  |  |  |  |  | X |  |  |  | X |
| 15 | Add/remove Resource from a resource collection |  |  |  |  |  |  |  |  | X | X |
| 16 | User Management | X |  |  |  |  | X |  |  |  |  |
| 17 | User Group Management | X |  |  |  |  | X |  |  |  |  |
| 18 | System Administration | X |  |  |  |  | X |  |  |  |  |