

## **Using multivalued elements in Facet view**

1. We had tagged documents with Categories, Topics and Locations. Based on the content/metadata of the documents these tags may have multiple values.
2. Facetview, by default doesn't support multivalued attributes in facets and doesn't provide filtering on them. We changed the basic structure of how the content and facets are rendered on the page.
3. While building the facets we separated the distinct values of categories, topics and locations and then tagged them to what documents they belong to. Therefore, the facets have atomic values instead of the comma separated values that we initially had in the response received from SOLR.
4. These values, displayed on the left categorized by the tag they belong to can then be used to filter out the results of a particular query.
5. Along with handling the way facets are built on the page we had to change the way the results/documents on the page are built as the JSON format which was returned by the SOLR query was significantly different from the default JSON format that Facetview expects. So, the way to build the documents and their identifiers has been improvised.
6. On running a query in Facetview the results are displayed in terms of the unique identifier (that again was built as part of HW2). On clicking on the particular result identifier the associated content of the result identifier is displayed.