PubMed Article Search by ID Instructions

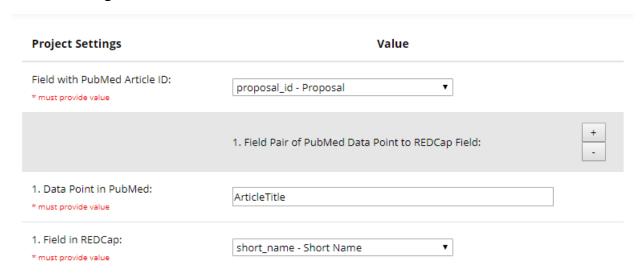
Purpose of This Module

This module is designed to fill out fields in a REDCap project based on a user entering a valid PubMed ID into a data field. This module uses the tools at https://eutils.ncbi.nlm.nih.gov to pull in the data in an XML format. An example of what this XML format is like can be found at the following link:

https://eutils.ncbi.nlm.nih.gov/entrez/eutils/efetch.fcgi?db=pubmed&id=17284678&retmode=xml&rettype=medline

Any element within the XML document that has a text value indicated within them can be referenced. The names for the elements are case sensitive, so "ArticleTitle" is not the same as "articletitle". In the case of XML tags that appear multiple times, only the first result found in the document will be used. The module is not designed to do data validation on your REDCap fields, so make sure that you're pointing data points to fields that will be capable of containing them.

Module Settings



Settings Explanation:

- "Field with PubMed Article ID"
 - Data field in the REDCap project that will contain the PubMed ID to pull data from. If these data points are going to fields that are on the same REDCap data form as this, they will be filled in upon clicking outside of this field. Fields on other data forms will be filled in once the record is saved.

- "Field Pair of PubMed Data Point to REDCap Field"
 - This indicates another mapping of a data point in the XML document to a field in the REDCap project. The "+" button will add another pair of fields to the module settings. The "-" button will remove the two settings directly below it from the module settings.
- "Data Point in PubMed"
 - This should be a reference to a data point in the XML document. This can also be a reference to a data point with a specific tag using a comma delimited format of "element name, tag name, tag value".
 - For instance, the following setting:

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ArticleId, IdType, pubmed
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Would pull the following XML element's value:

<ArticleId IdType="pubmed">17284678</ArticleId>

- There are a few placeholder values for this field that refer to data points that may be needed, but need to be parsed in some special way. These are namely data points that require pulling in multiple XML elements together to create something meaningful. The list is:
 - Status Grabs the value of the "Status" tag shown in the XML document at the following <MedlineCitation Status="MEDLINE" Owner="NLM">
 - Owner Grabs the value of the "Owner" tag in the XML document as indicated in the 'Status' description above.
 - AuthorFull Gets the full name of the first author for the article.
 - AuthorShort Gets the Initials + Last Name of the first author for the article.
 - Grant Combines the GrantID, Agency, and Country of the first Grant listed in the article.
 - PubDate The full date value of the PubDate for the article in a 'Month Year' format.
 - DateCompleted The full date value of the DateCompleted for the article. If this is going into a REDCap field with date validation applied, the date will be formatted to match that field.
 - DateRevised The full date value of the DateRevised for the article. If this
 is going into a REDCap field with date validation applied, the date will be
 formatted to match that field.
 - ArticleDate The full date value of the ArticleDate for the article. If this is going into a REDCap field with date validation applied, the date will be formatted to match that field.

- PubMedPubDate The full date value of the PubMedPubDate for the article. If this is going into a REDCap field with date validation applied, the date will be formatted to match that field.
- "Field in REDCap" This is the REDCap field in the project that should contain the data point from the article information.