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**Name of Program:** Parse Funds

**Files:** parseFunds.py, functions.py

**Date created:** 2018-12

**Purpose:**

* To create a series of word documents that contain bibliographies of all the Titles purchased in a given fiscal year for a given library (Tisch or Ginn)

**Command:**

* install requirements (first time)
  + python3 -m pip install -r requirements
* run
  + python3 citations.py

**Method:**

* provide library and fiscal year prompt
* program retrives the appropriate Analytics report:
* either/or
* /shared/Tufts University/Reports/Collections/Gift Funds/Titles Purchased with Gift Funds - Tisch - Generic for Script
* /shared/Tufts University/Reports/Collections/Gift Funds/Titles Purchased with Gift Funds - Ginn - Generic for Script
* outputs:
* MMS Id
* fund
* filters on
* "MMS Id is not equal to / is not in -1"
* (Tisch) "AND Fund Ledger Code is equal to / is in dalex; dalel; daron; dbarr; dcamp; dchri; dcros; dduke; dfitc; dgiff; dgonz; dgord; dhaly; dharo; dloeb; dmeas; dnewh; dpall; dprit; drose; drosg; dshap; dsper; dtisc; dwill; dfox; docon; dcohe; dargo; dblak; dmarc"
* OR (Ginn) "Fund Ledger Name is equal to / is in Bradley - Books; Cabot - Books; Fares - Books; Hay - Books; Imlah - Books; Maney - Books; Raanan - Books; Salacuse - Books; Saskawa-NPP - Books"
* "AND Transaction Date is prompted"
* this is passed as a 'saw' XML filter in the URL that encodes the date range
* retrieves the XML report, iterates through and parses MMS Id and fund
* performs an SRU search by MMS Id
* parses out relevant title, author, and pulication information field from bib XML
  + MMS Id
  + Main entry Author (MARC 100|a)
  + Main entry Author relator (MARC 100|e)
  + Second author (MARC 110|a)
  + Second author relator (MARC 110|e)
  + Corporate author (MARC 700|a)
  + Corporate author relator (MARC 700|e)
  + Second corporate author (MARC 710|a)
  + Second corporate author relator (MARC 710|e)
  + Title (MARC 245|a)
  + Subtitle (MARC 245|b)
  + Place of publication (MARC 260|a)
  + Name of publisher (MARC 260|b)
  + Date of publication (MARC 260|c)
  + Place of second publication (MARC 264|a)
  + Name of second publisher (MARC 264|b)
  + Date of second publication (MARC 264|c)
* turns this data into a ".bib" BibTex-style file

**Outputs:**

- "/Processing/\*" directory contains intermediate ".bib" file, which is in BibTex that citeproc

- "/Output/\*" directory contains final Word .docx file

**Dependences:**

* in "requirements.txt"
  + django<2
  + pandas
  + openpyxl
  + tk
  + numpy
  + future
  + lxml
  + python-docx
  + citeproc-py