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\*\*Name of Program:\*\* Citations

\*\*Files:\*\* citations.py, Scripts/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)

* This github repo is in the Tufts University github.com organization at https://github.com/TuftsUniversity/gift-fund-bibliography

\*\*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
* uses locally python-citeproc "pseudo LaTex" to create bibliography, and docx module to write these to Word

\*\*Dependences:\*\*

* in "requirements.txt"

+ django<2

+ pandas

+ openpyxl

+ tk

+ numpy

+ future

+ lxml

+ python-docx

+ citeproc-py

\*\*Output:\*\*

* "/Processing/\*" directory contains intermediate ".bib" file, which is in BibTex that citeproc
* "/Output/\*" directory contains final Word .docx file

\*\*links.py:\*\*

* For the second object in this process, thereâ€™s a Python script called links.py that retrieves an Analytics report of MMS Ids (and fund codes) and uses the MMS Id to construct a Primo URL that can be used for linking on the library websites. Also configured for either Tisch or Ginn and the specified fiscal year based on prompts.