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IMDb

CATALOG

CS 201 SPRING 2019 PORTFOLIO PROJECT

**GENERAL**

**OBJECTIVE**

Movie catalog with features to create and manage a movie catalog using the IMDB database

**REQUIREMENTS**

* Load the lookup dataset into memory or create an in-memory index to the (unsorted) files. The lookup dataset cannot be advantageously sorted
* There should be a catalog that a user can create, retrieve, update, and delete (CRUD) records
* Multiple users are denoted by multiple datafiles
  + i.e. monica.log would be the log for user Monica
* Users should be allowed to select the appropriate data file to continue work at a later time
* The user interface can be ascii based. Make sure that you plan for input errors and provide command help. Cursers can also be used

**RESEARCH**

* Log files
* Data structures for binary search tree, heap, etc.

**RESOURCES**

* <https://www.imdb.com/interfaces>

**SCHEDULE**

<https://trello.com/b/PRF4k2hF/imdb-catalog>

* February 17th: environment and layout setup
* February 20th: documentation and outline completed
* February 23rd: log file research done
* February 24th: data structure developed and ready for use
* March 4th: outline due for feedback
* March 8th – 17th: spring break
* March 8th: fetch and store dataset in memory
* March 17th: log files implemented
* March 24th: final touch and testing
* March 27th: README.md complete
* March 27th: peer feedback
* March 29th: project due and set public on GitHub

**STRUCTURE**

* doc
  + outline.doc
  + prompt.pdf
* src
  + data
    - .tsv files
  + makefile
  + main.c
  + movie.c
  + bst.c
  + parse.c
  + movie.h
  + bst.h
  + parse.h
* README.md
* .gitignore

**DATA STRUCTURE**

<https://cloud.smartdraw.com/>

(movie.c)

(bst.c)

**USER INTERFACE**

(main.c)