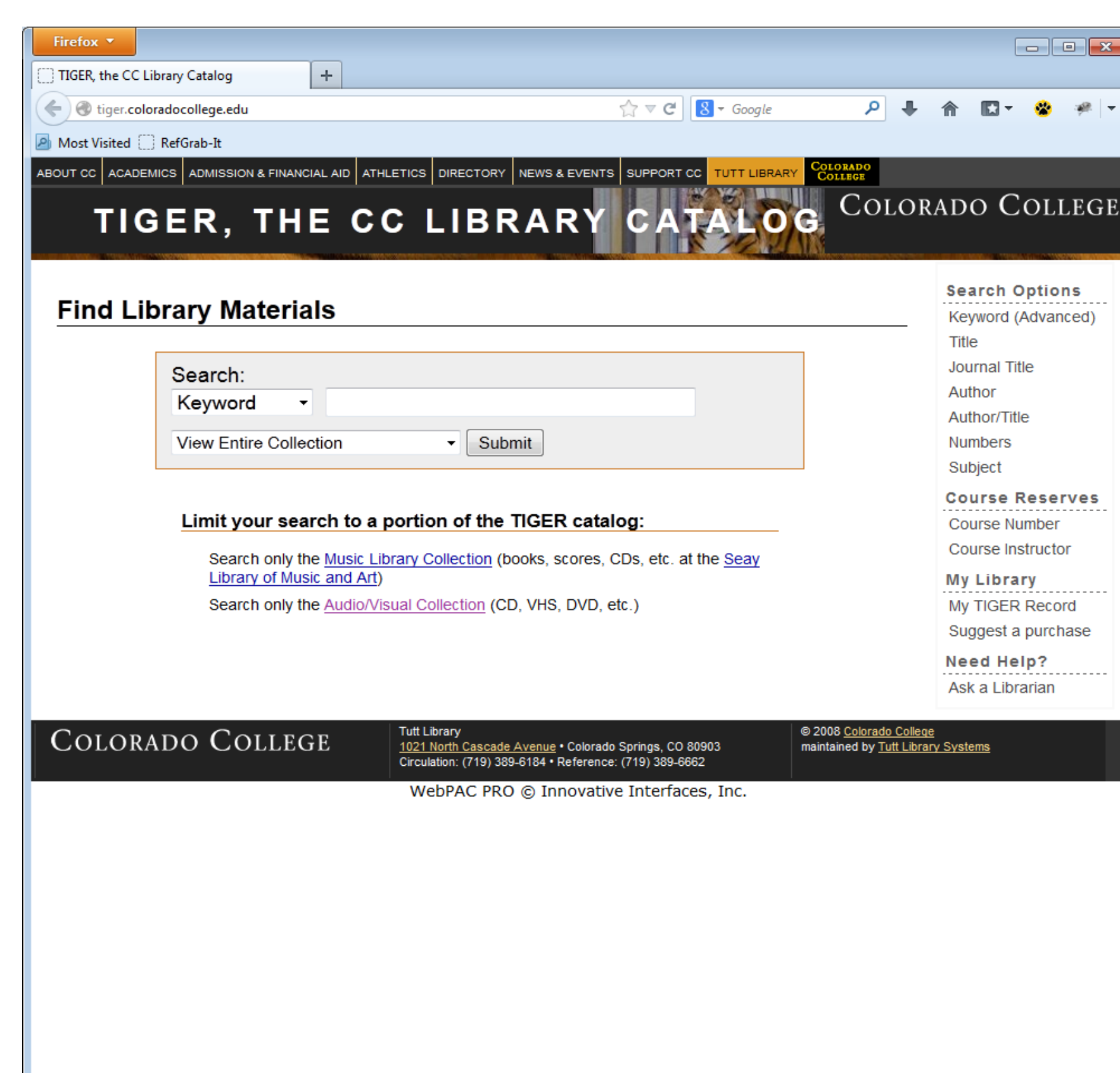


# Replacing a Legacy Library Catalog @ COLORADO COLLEGE

## Legacy Online Public Access Catalog (OPAC) (~2000-)



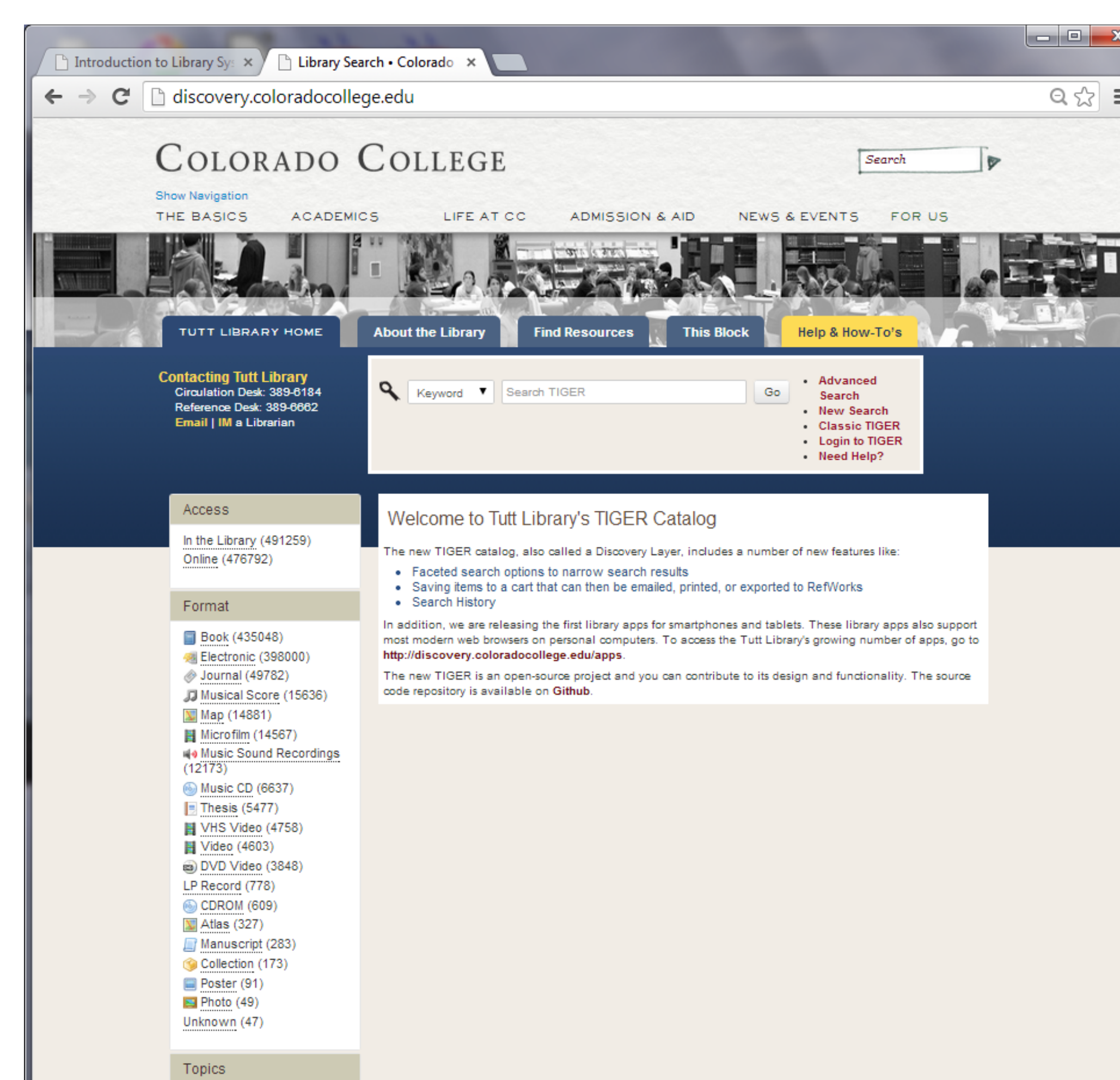
Web interface to legacy enterprise integrated library systems (ILS) from a commercial library software vendor. Main staff interface is a Java Swing application with limited reporting and extensibility.

### Persistence of MARC21



MARC (an acronym for **MA**chine-**R**eadable **C**ataloging) is a data format for bibliographic, authority, and holdings data. The Library of Congress is responsible for initially creating MARC in the 1960s and continues to support to the present. The MARC format combines both fixed control fields and variable length fields with a number of different subfields. Most library catalogs use MARC format, either using the format natively or converting records encoded in MARC to relational database or other backend storage. Colorado College's Tutt Library has a collection of over 1,100,000 MARC21 records representing Colorado College's physical and online collections.

## Aristotle Discovery Layer (2011-)



### What is a Discovery Layer?

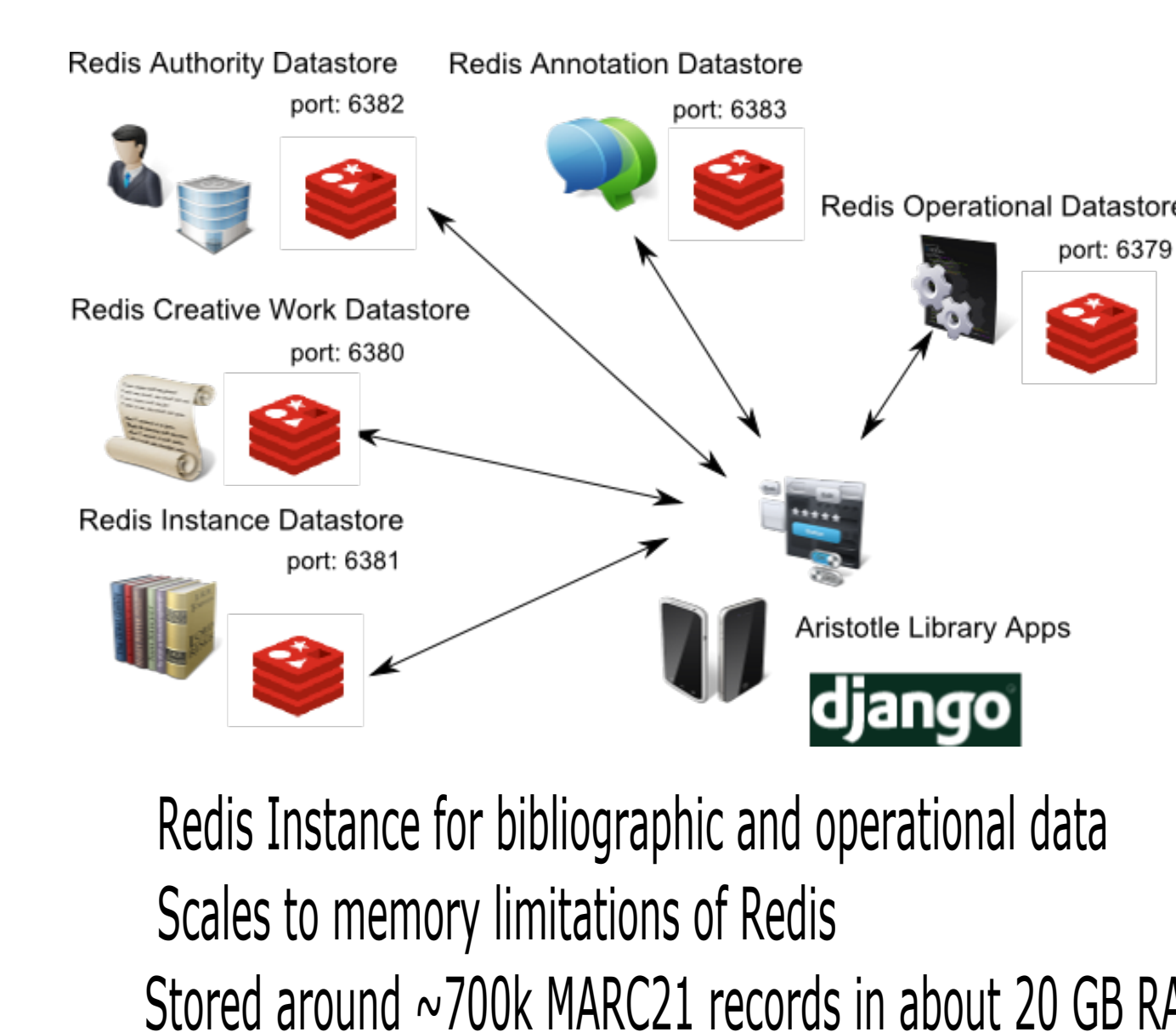
The user interface and search indices for finding, displaying, and with the content in library systems that was inspired by both Google's search and Amazon's user interfaces. Typically, a Discovery Layer includes all of the print books, DVDs, Music CDs, and journals MARC records indexed into proprietary search index or an Apache's Solr Index.



- \* Started as a fork of the Django-based Kochief (<http://code.google.com/p/kochief/>)
- \* Indexes MARC21 records exported from legacy catalog into Apache Solr (<https://lucene.apache.org/solr/>)
- \* Runs on a Ubuntu server VM on Colorado College's VMWare cluster
- \* Code Repository available at <https://github.com/jermnelson/Discover-Aristotle>

<http://discovery.coloradocollege.edu/>

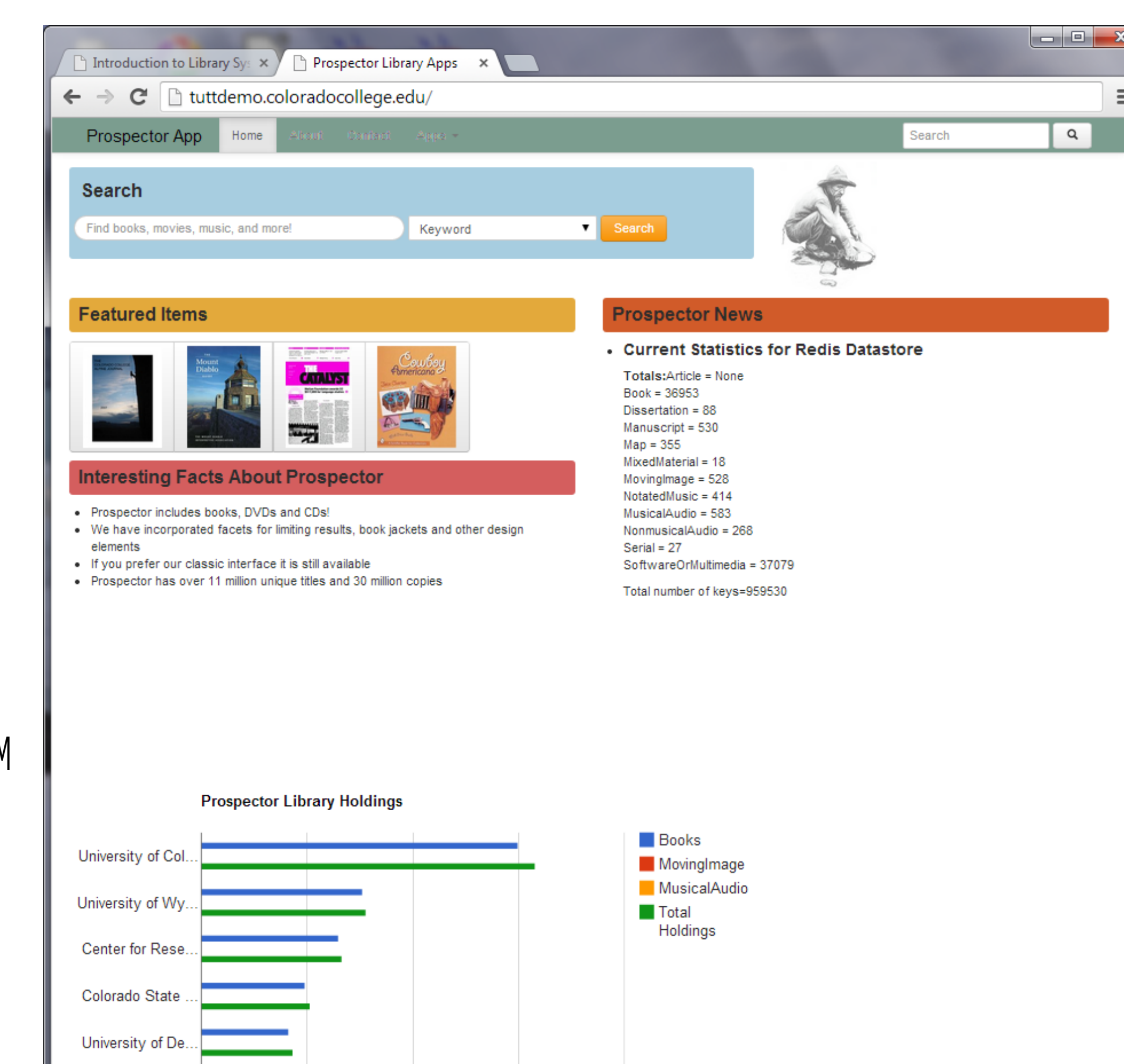
## Redis Library Services Platform (2011-2013)



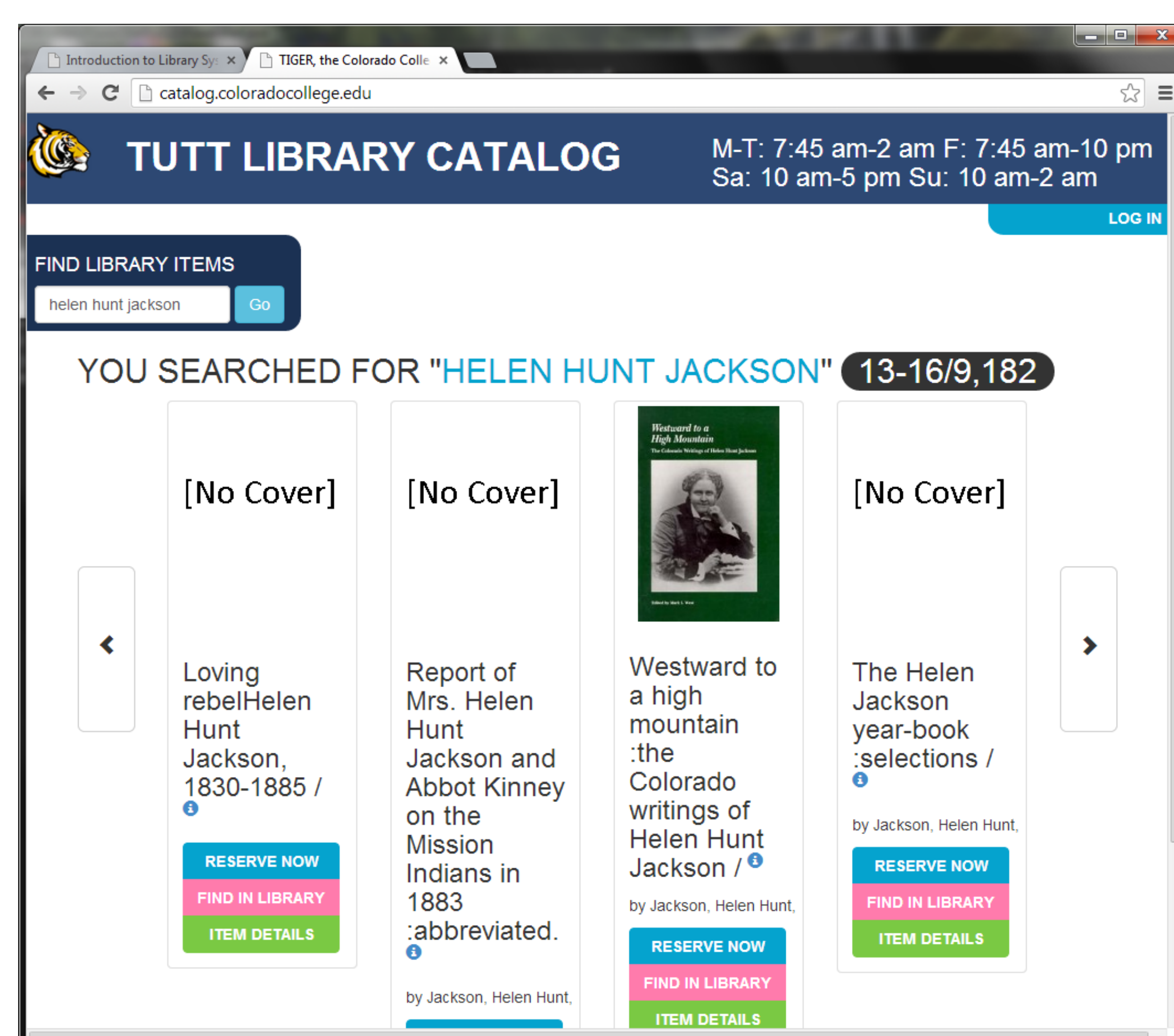
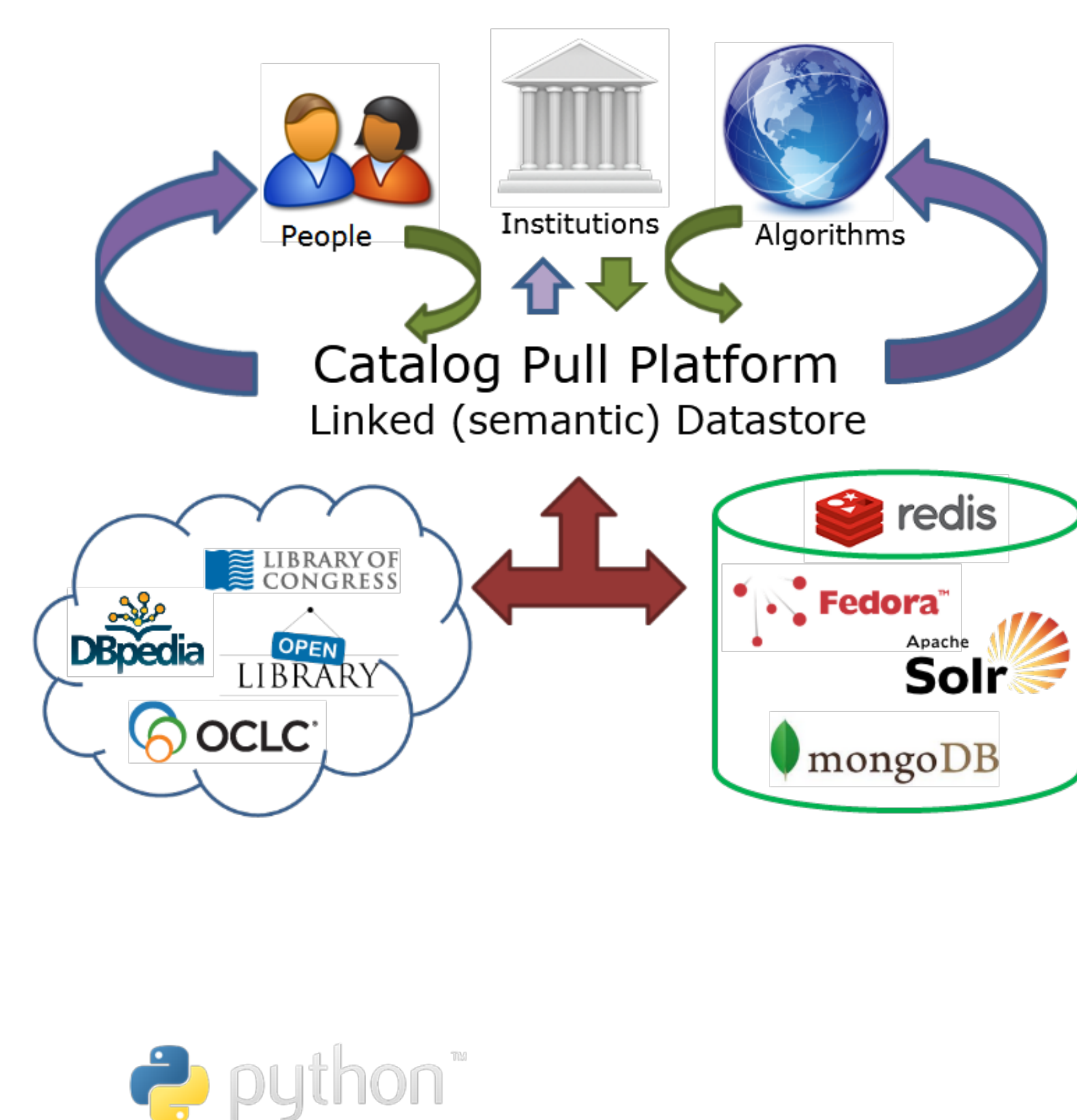
Redis Instance for bibliographic and operational data  
 Scales to memory limitations of Redis  
 Stored around ~700k MARC21 records in about 20 GB RAM



<http://tuttdemo.coloradocollege.edu/>



## Catalog Pull Platform (2013-)



<http://catalog.coloradocollege.edu/>

LinkedData, Schema.org, and BIBFRAME

