Automated Enhancement of Controlled Vocabularies: Upgrading Legacy Metadata in CONTENTdm

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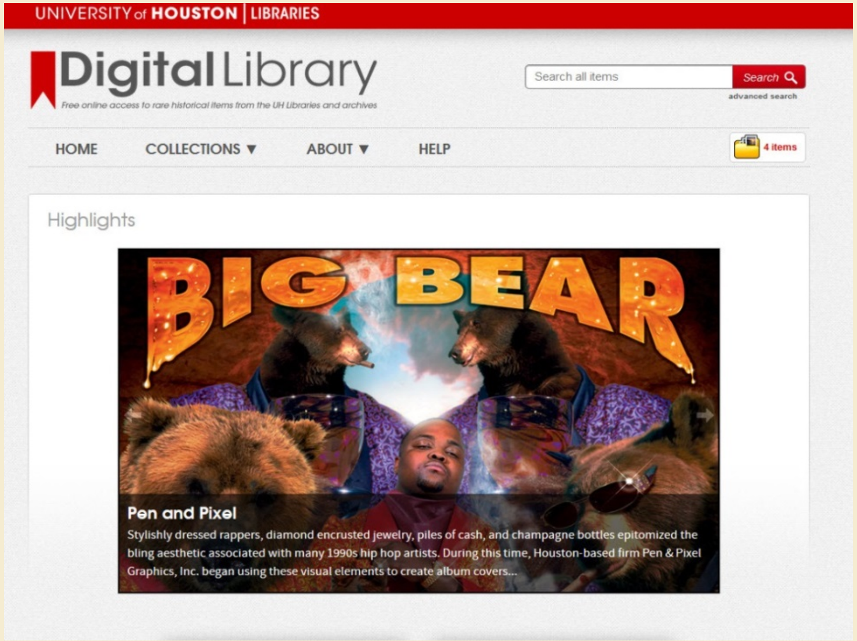
Austin, TX 2014

UH Digital Library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Highlights
BIG BEAR

Pen and Pixel

Stylishly dressed rappers, diamond encrusted jewelry, piles of cash, and champagne bottles epitomized the bling aesthetic associated with many 1990s hip hop artists. During this time, Houston-based firm Pen & Pixel Graphics, Inc. began using these visual elements to create album covers...

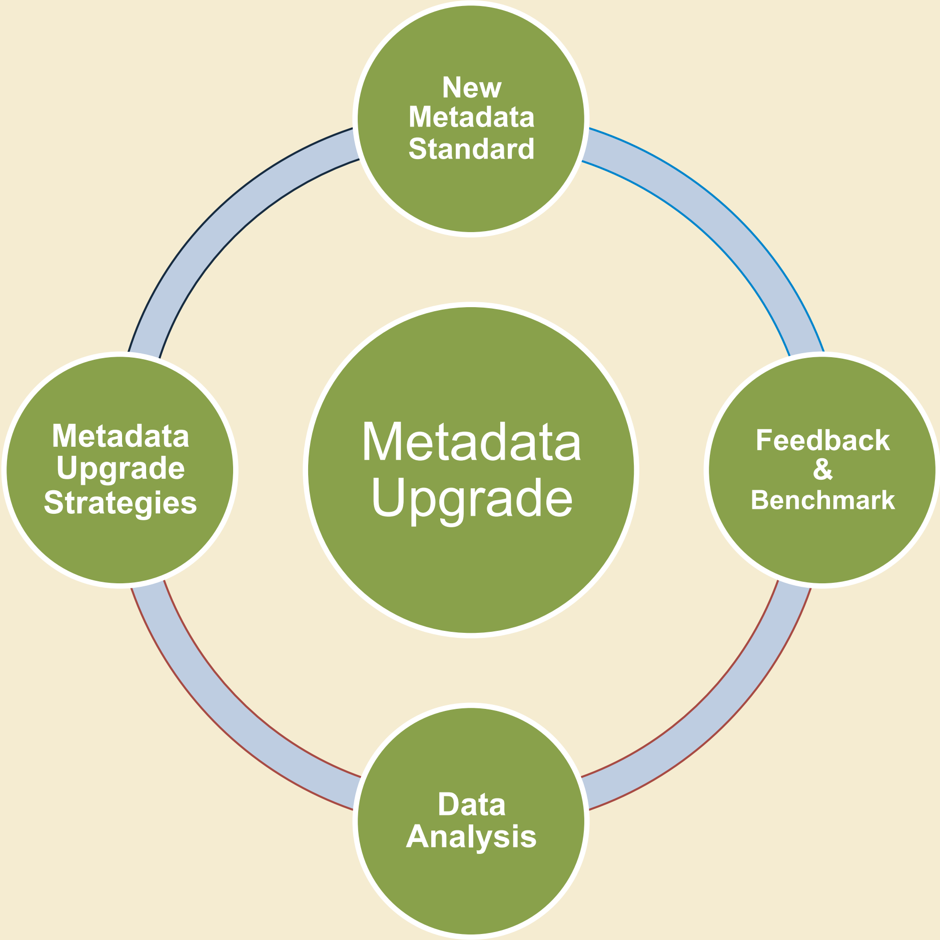
- Launched in 2009
- 60 collections
- 55,000+ digital objects
- Images, Text, Audio/ Video

Metadata Upgrade: Rationale

- Provide discoverability of digital objects via our discovery platform
- Improve retrieval and display of digital metadata through our newly designed UHDL interface
- Ensure metadata interoperability with other digital collections
- Be ready for linked data environment

More Robust, Reliable and Retrievable Metadata!

Metadata Upgrade: Overview



Metadata Upgrade: Strategy

Phase One

- Standardize field labels
- Standardize mapping to DC
- Add new fields to UHDL

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Phase Two

- Standardize collection names
- Add or edit collection level fields
- Cross linking

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Phase Three

- Templates to titles
- Apply ISO date
- Add DCMI type terms
- Headings control

Phase Three: Challenges

- Limitations of existing interfaces
  - No easy way to automate or batch edit legacy metadata in Project Client or Web Admin interfaces
  - Must edit item-by-item, which is time consuming and resource intensive

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- Limitations on staff time

Phase Three: Solutions

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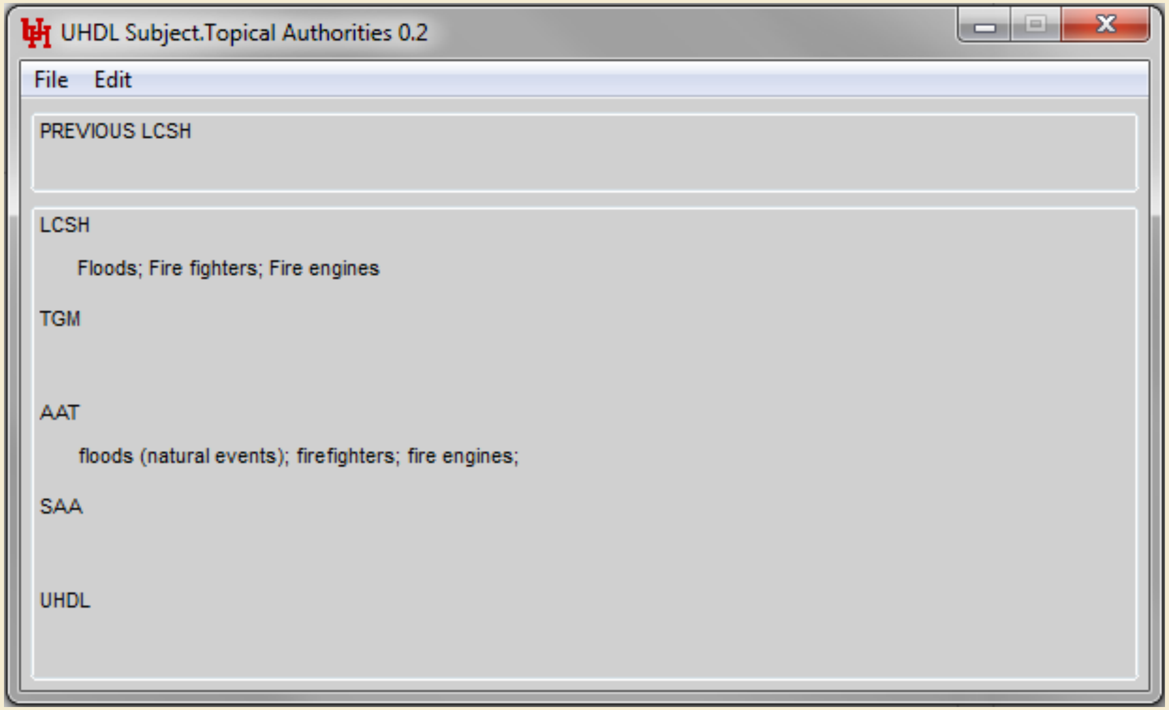
AutoHotkey

Upgrade Tools: Subject App



PREVIOUS LCSH

LCSH

Floods; Fire fighters; Fire engines

TGM

AAT

floods (natural events); firefighters; fire engines;

SAA

UHDL

- Automates mapping from various vocabularies to LCSH
- Facilitates harvesting of URIs from LC linked data service (id.loc.gov)

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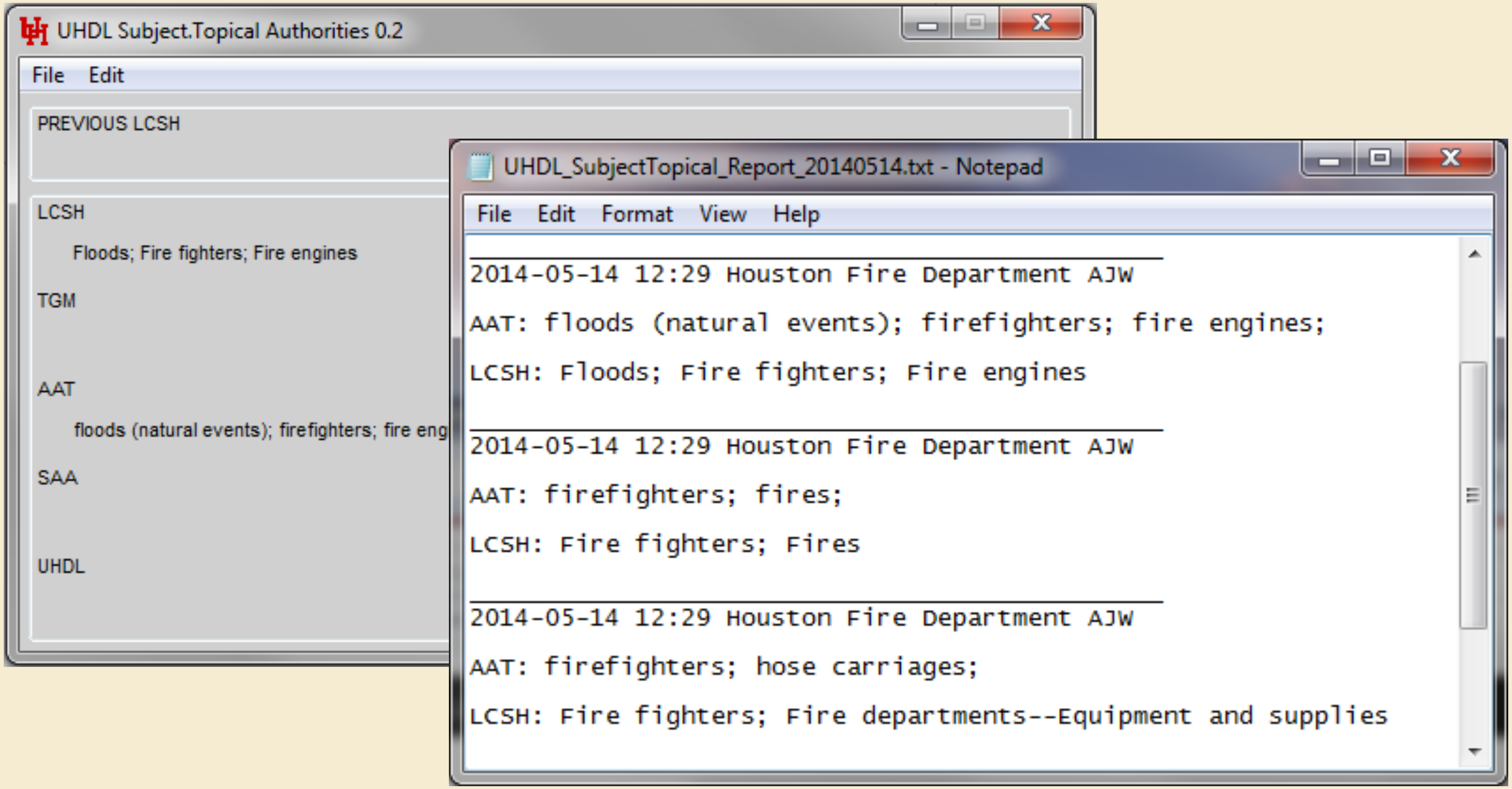

UHDL Subject.Topical Authorities 0.2
File Edit

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UHDL

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LCSH: Floods; Fire fighters; Fire engines

2014-05-14 12:29 Houston Fire Department AJW
AAT: firefighters; fires;
LCSH: Fire fighters; Fires

2014-05-14 12:29 Houston Fire Department AJW
AAT: firefighters; hose carriages;
LCSH: Fire fighters; Fire departments--Equipment and supplies
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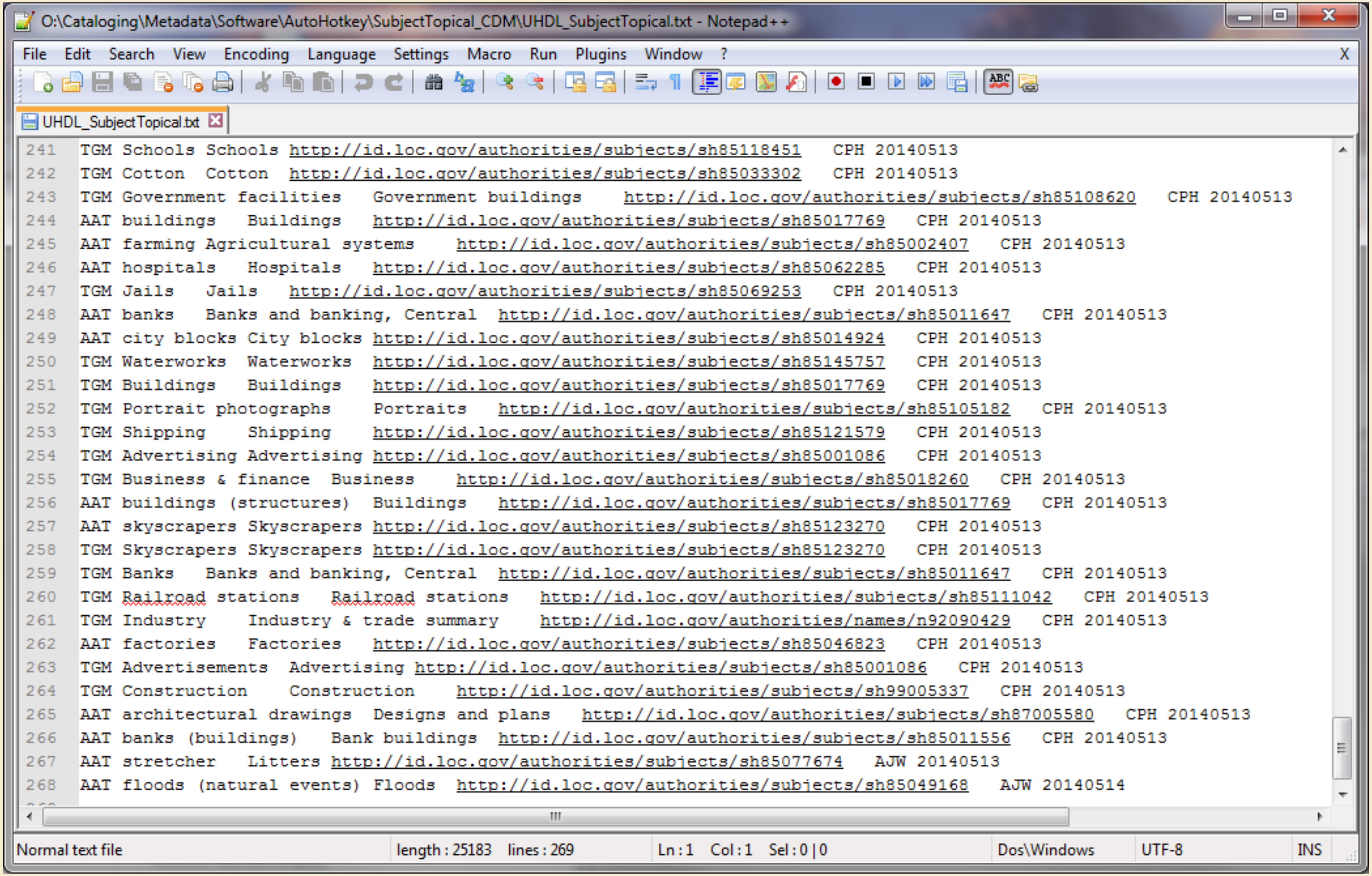
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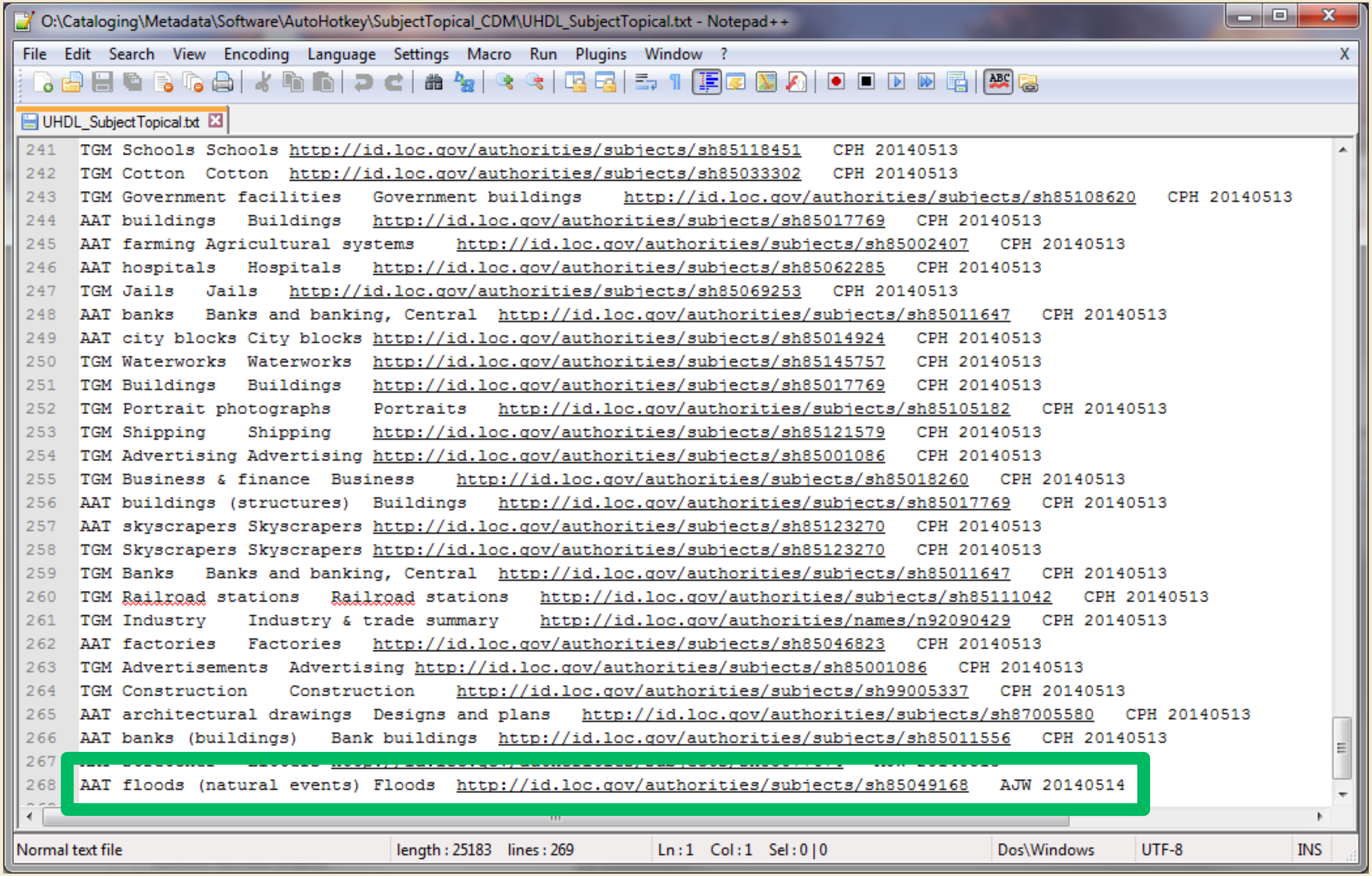

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AAT floods (natural events) Floods  http://id.loc.gov/authorities/subjects/sh85049168   AJW 20140514
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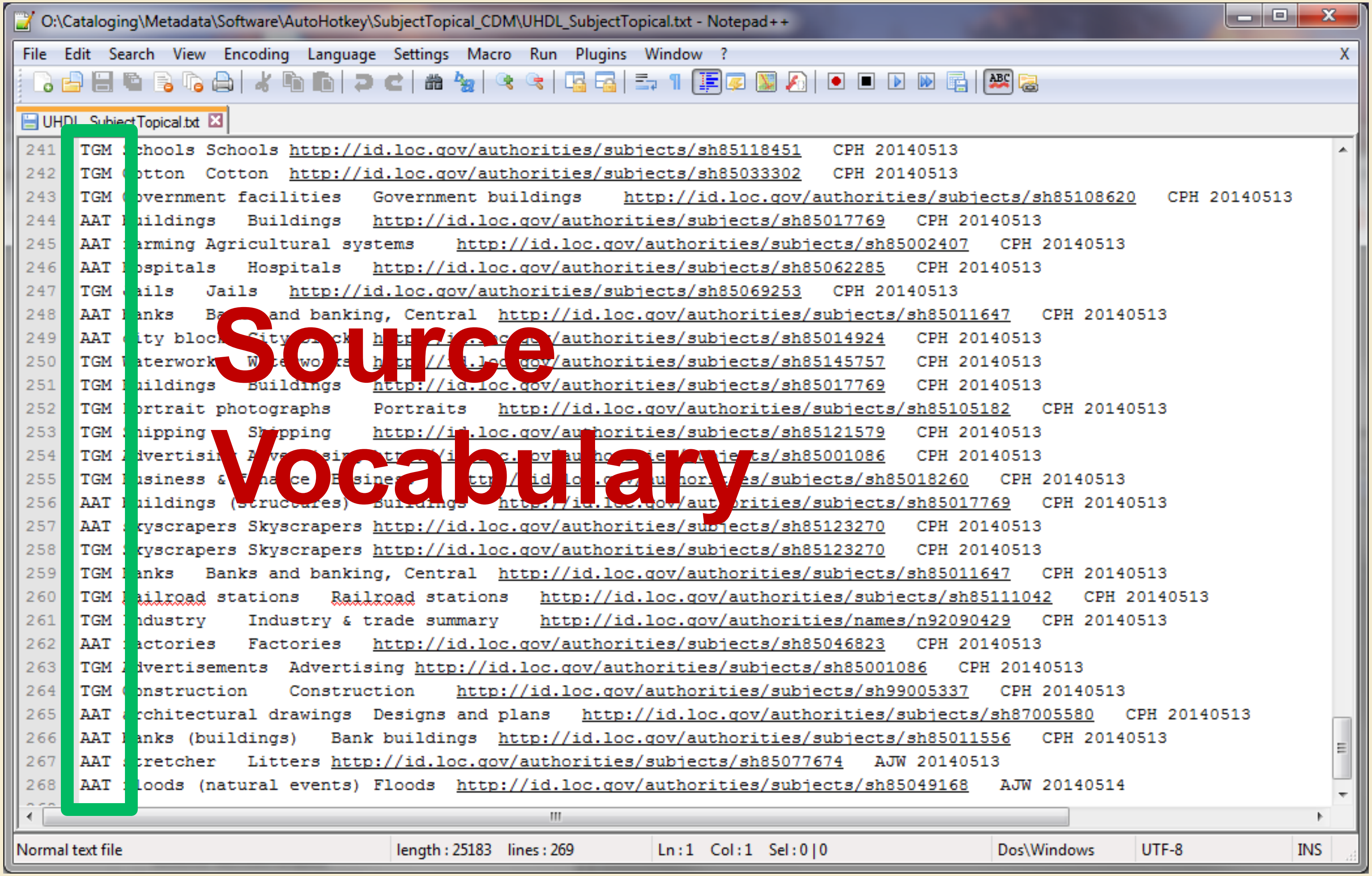
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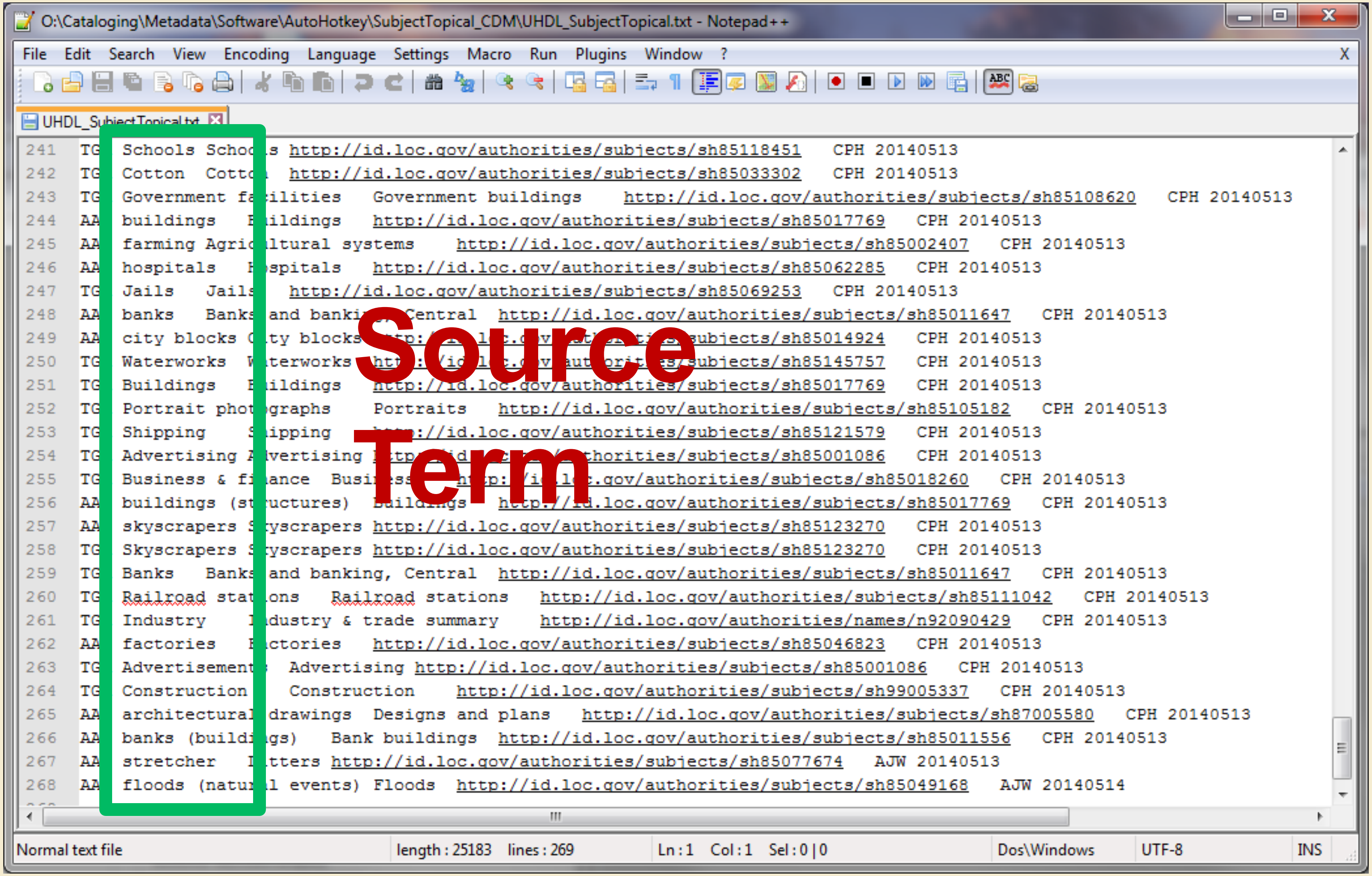
Source Vocabulary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AA  hospitals   Hospitals   http://id.loc.gov/authorities/subjects/sh85062285   CPH 20140513
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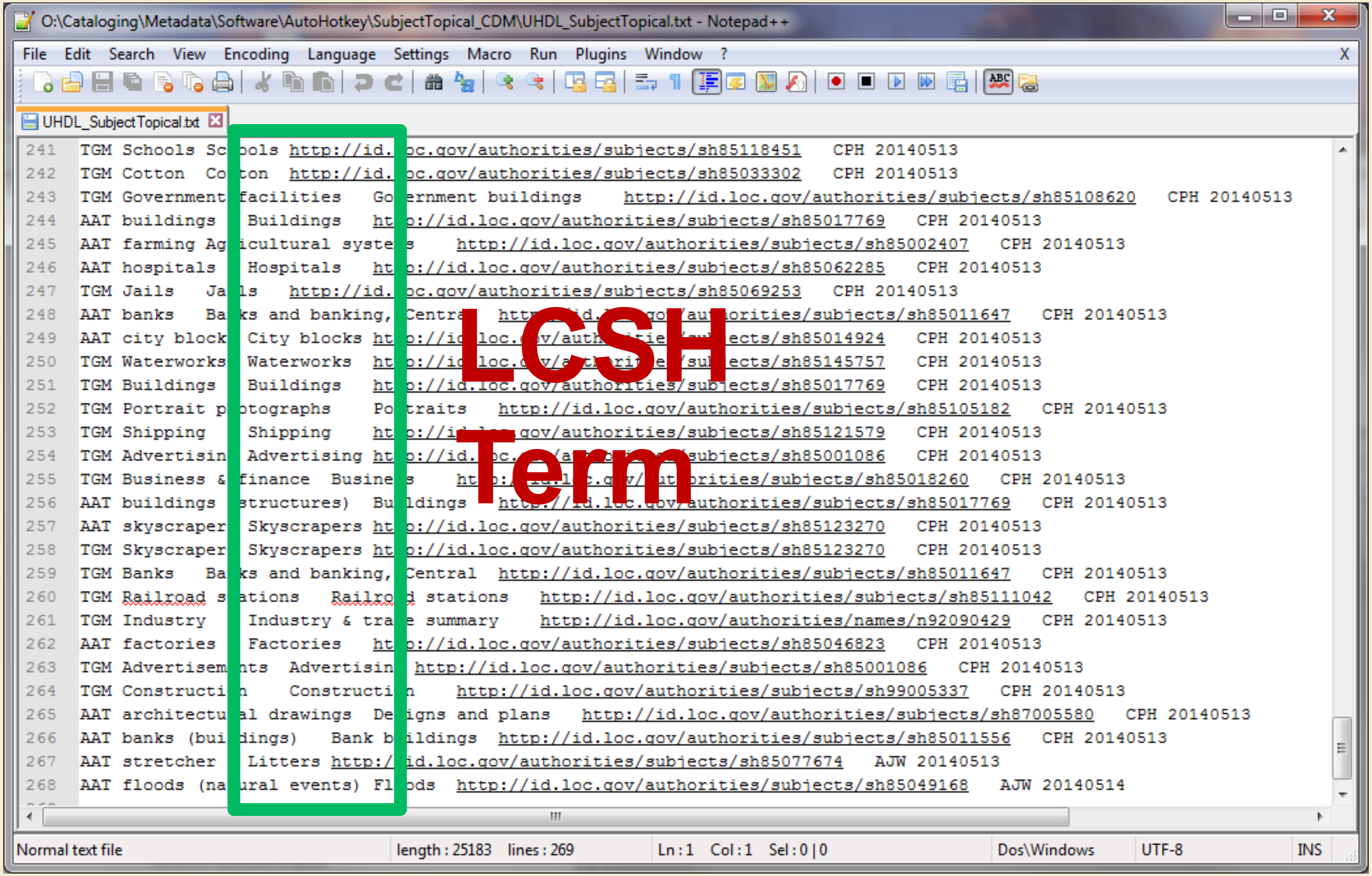
Source Term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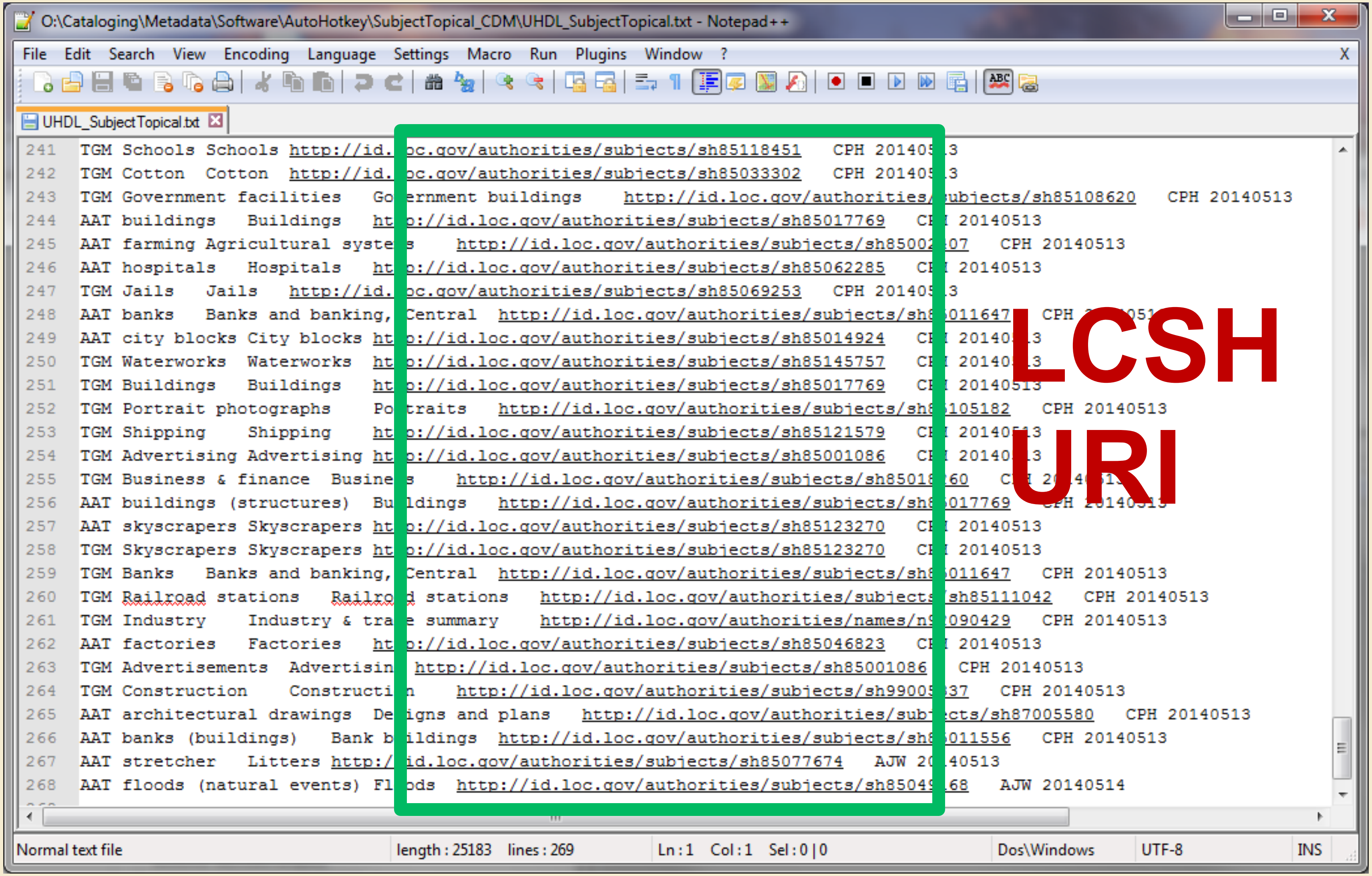
LCSH Term



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AAT city blocks City blocks http://id.loc.gov/authorities/subjects/sh85014924    CPH 20140513
TGM Waterworks  Waterworks  http://id.loc.gov/authorities/subjects/sh85145757    CPH 20140513
TGM Buildings   Buildings   http://id.loc.gov/authorities/subjects/sh85017769    CPH 20140513
TGM Portrait photographs    Portraits   http://id.loc.gov/authorities/subjects/sh85105182    CPH 20140513
TGM Shipping    Shipping    http://id.loc.gov/authorities/subjects/sh85121579    CPH 20140513
TGM Advertising Advertising http://id.loc.gov/authorities/subjects/sh85001086    CPH 20140513
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TGM Banks   Banks and banking, Central  http://id.loc.gov/authorities/subjects/sh85011647    CPH 20140513
TGM Railroad stations   Railroad stations   http://id.loc.gov/authorities/subjects/sh85111042    CPH 20140513
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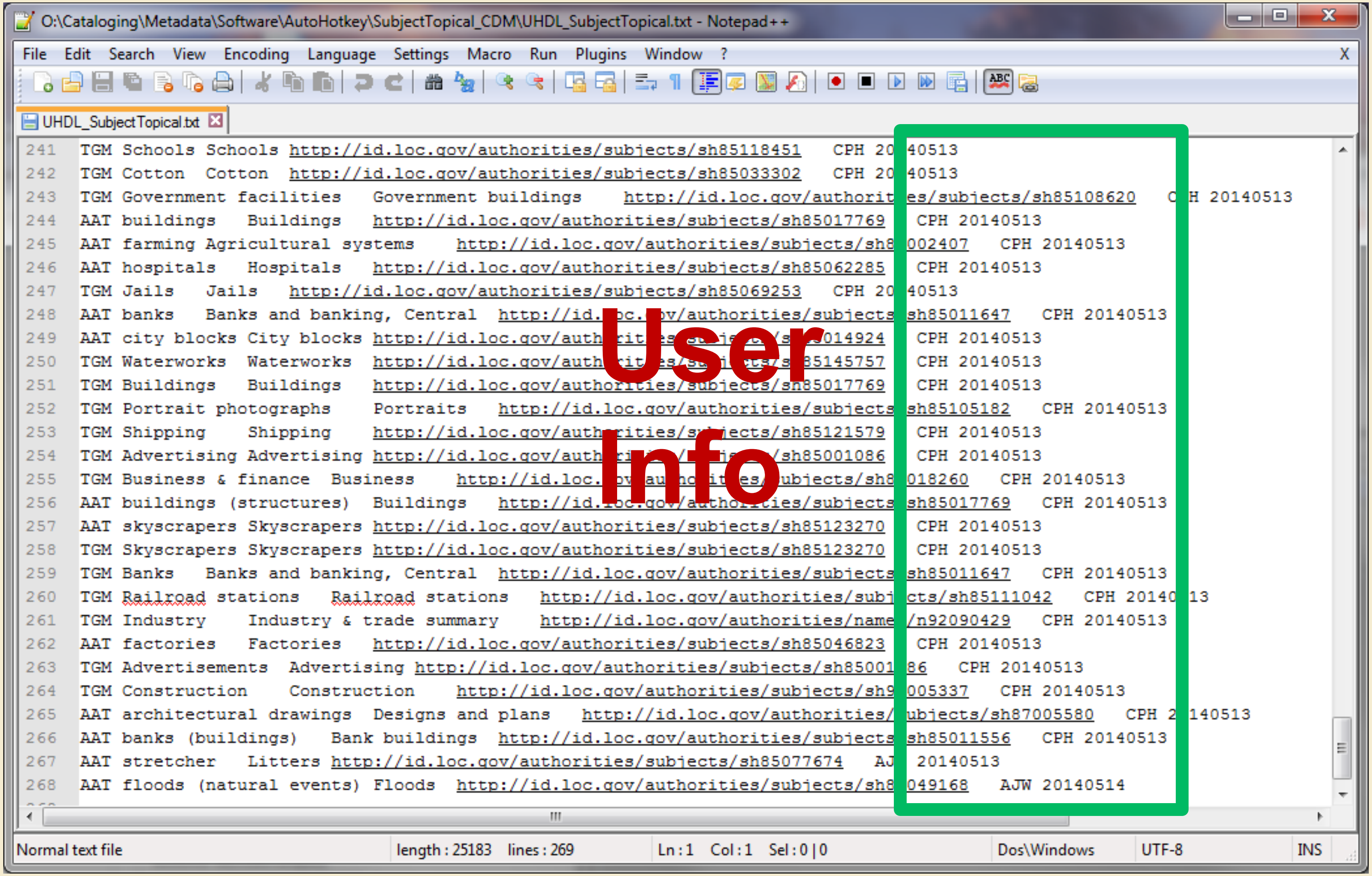
LCSH URI


O:\Cataloging\Metadata\Software\AutoHotkey\SubjectTopical_CDM\UHDL_SubjectTopical.txt - Notepad++
File
Edit
Search
View
Encoding
Language
Settings
Macro
Run
Plugins
Window
?
X
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TGM Schools Schools http://id.loc.gov/authorities/subjects/sh85118451   CPH 20140513
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AAT banks (buildings)   Bank buildings  http://id.loc.gov/authorities/subjects/sh85011556   CPH 20140513
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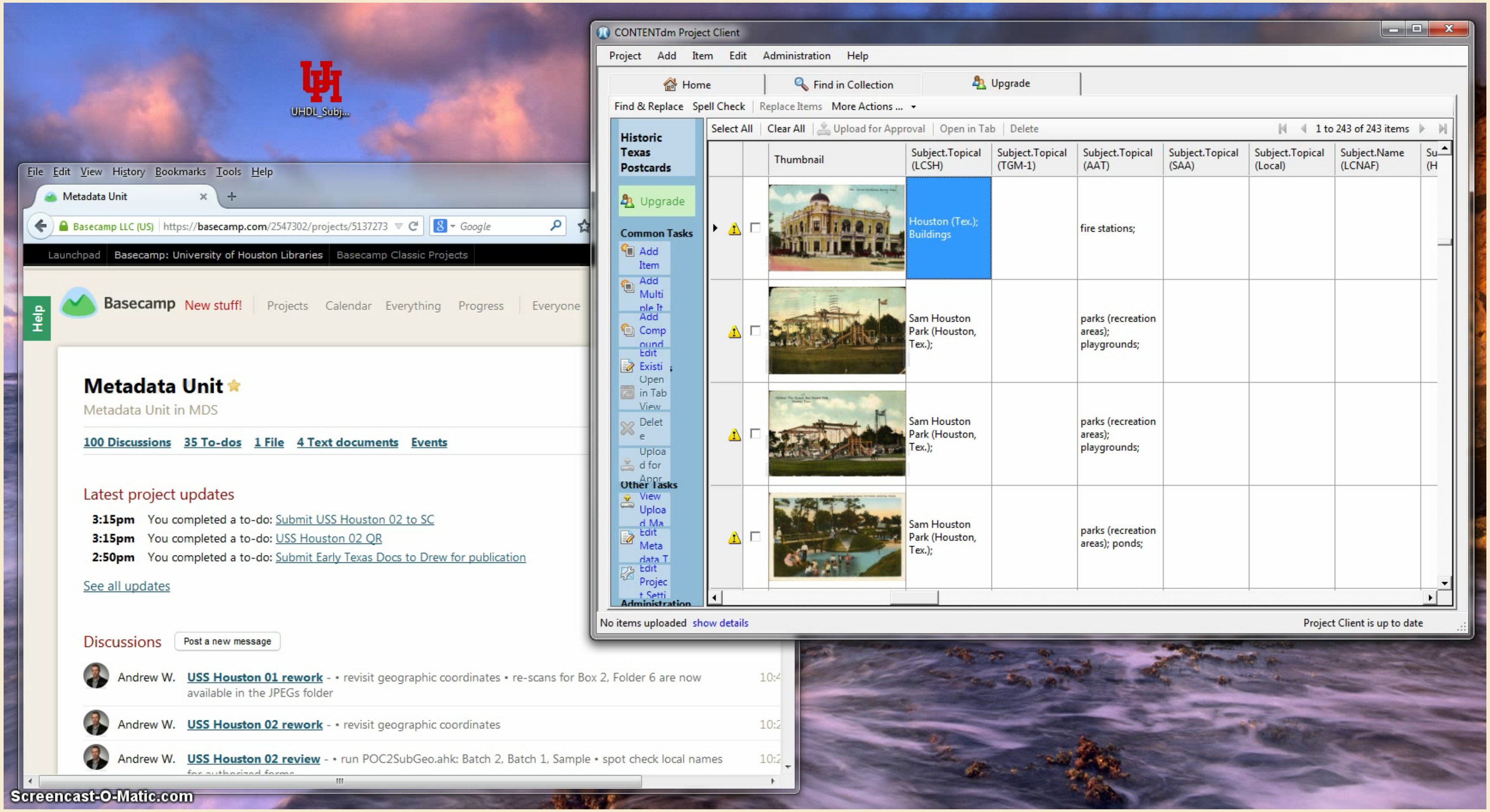
User Info

Upgrade Tools: Subject App



Metadata Unit

Metadata Unit in MDS

100 Discussions 35 To-dos 1 File 4 Text documents Events

Latest project updates

3:15pm You completed a to-do: Submit USS Houston 02 to SC

3:15pm You completed a to-do: USS Houston 02 QR

2:50pm You completed a to-do: Submit Early Texas Docs to Drew for publication

See all updates

Discussions

Post a new message

Andrew W. **USS Houston 01 rework** - • revisit geographic coordinates • re-scans for Box 2, Folder 6 are now available in the JPEGs folder 10:4

Andrew W. **USS Houston 02 rework** - • revisit geographic coordinates 10:2

Andrew W. **USS Houston 02 review** - • run POC2SubGeo.ahk: Batch 2, Batch 1, Sample • spot check local names for authorized forms 10:2

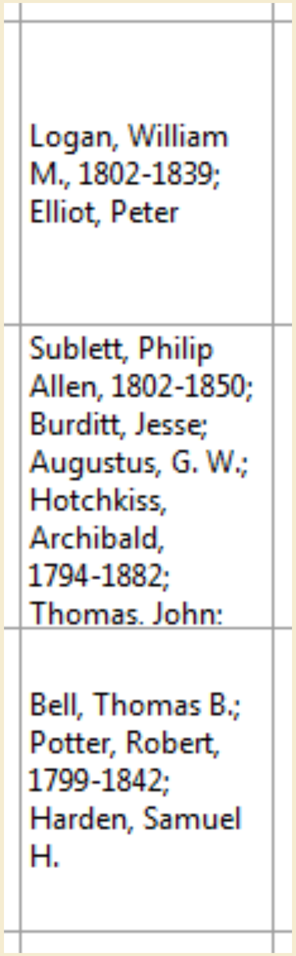
Thumbnail	Subject.Topical (LCSH)	Subject.Topical (TGM-1)	Subject.Topical (AAT)	Subject.Topical (SAA)	Subject.Topical (Local)	Subject.Name (LCNAF)	Su (H
	Houston (Tex.); Buildings		fire stations;				
	Sam Houston Park (Houston, Tex.);		parks (recreation areas); playgrounds;				
	Sam Houston Park (Houston, Tex.);		parks (recreation areas); playgrounds;				
	Sam Houston Park (Houston, Tex.);		parks (recreation areas); ponds;				

No items uploaded show details

Project Client is up to date

https://www.dropbox.com/s/wg9nwn73k5d4hzt/01_SubjectApp.avi?dl=0

Upgrade Tools: Name App



Logan, William M., 1802-1839; Elliot, Peter
Sublett, Philip Allen, 1802-1850; Burditt, Jesse; Augustus, G. W.; Hotchkiss, Archibald, 1794-1882; Thomas, John;
Bell, Thomas B.; Potter, Robert, 1799-1842; Harden, Samuel H.

- Large collections with legacy metadata
- All names entered in LCNAF field and formatted to look like an LCNAF name
- App moves names to correct authority

Benefits of Metadata Upgrade

- Best Practices
- Data interoperable
- Enhance retrieval of digital data
- New and better standard for future metadata creation and integration

Image source: http://123rf.com

Thank You!

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Annie Wu:

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Santi Thompson:
sathompson@uh.edu

Questions?