Tools for Research in the Field & Archive

UCLA Library Research Workshop Series Fall 2020

Anthony Caldwell

SCHOLARLY InnovationLab

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What is this workshop about?

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Image source: Luke McKernan https://www.flickr.com/

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Issues Encountered with my own projects

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Image source: http://www.bbk.ac.uk

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Issues others have shared

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Image source: https://www.cnet.com

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Image source: https://wearesocial.com

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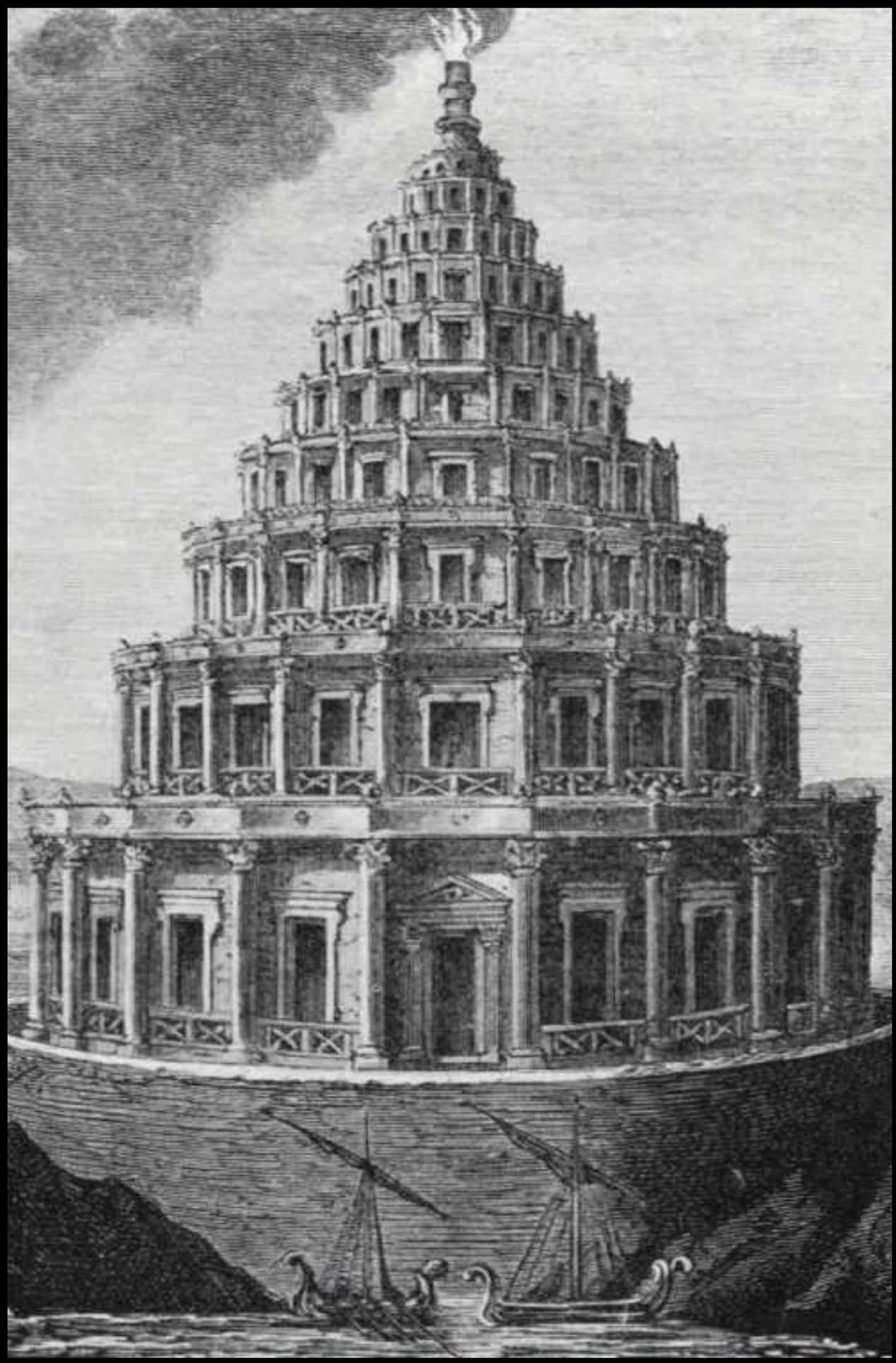
Reconstruction
of the
Pharos Lighthouse
of Alexandria



ETC
UCLA EXPERIENTIAL TECHNOLOGIES CENTER

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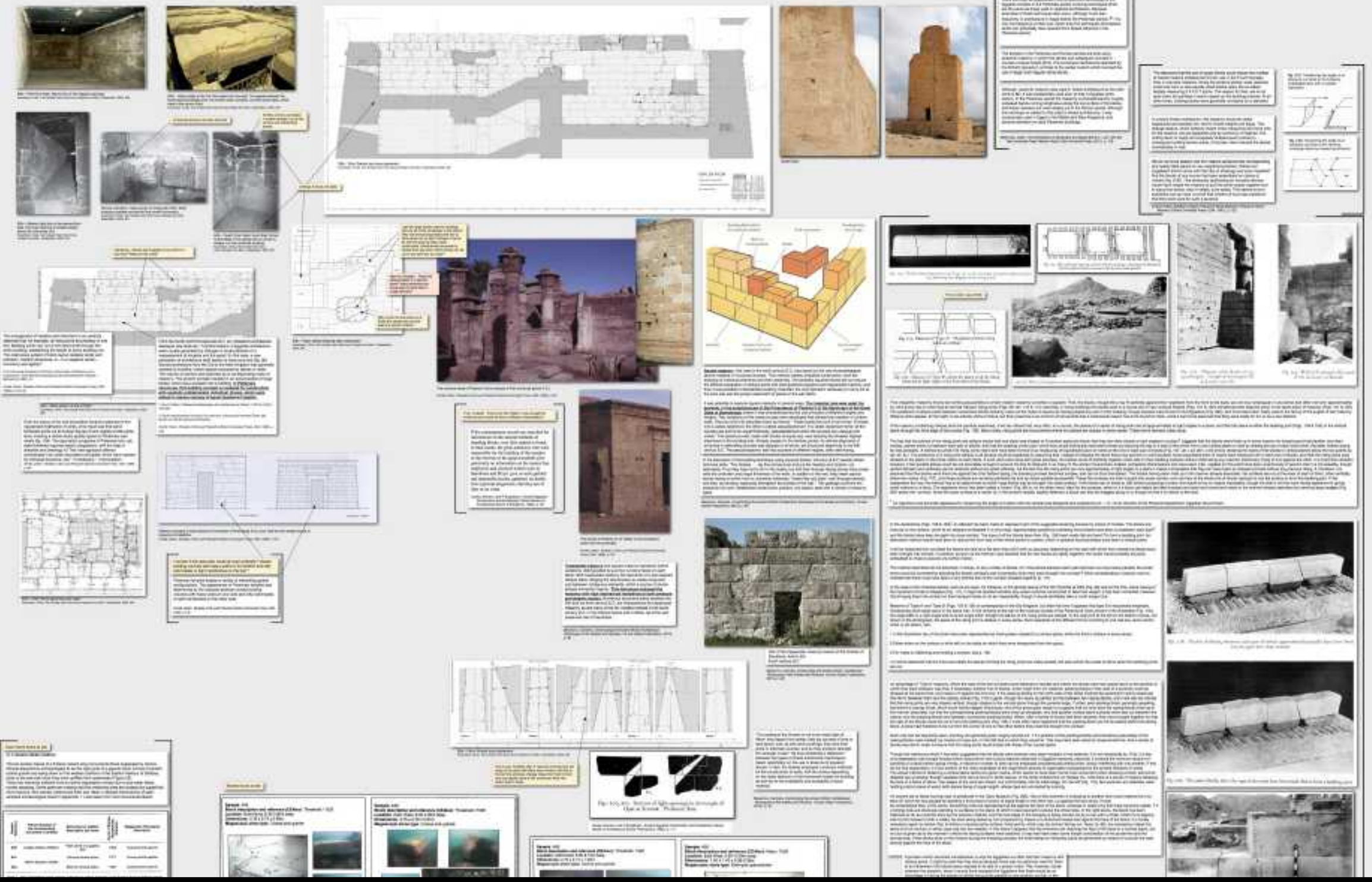
The Field

Image source: https://amayei.nyc3.digitaloceanspaces.com/

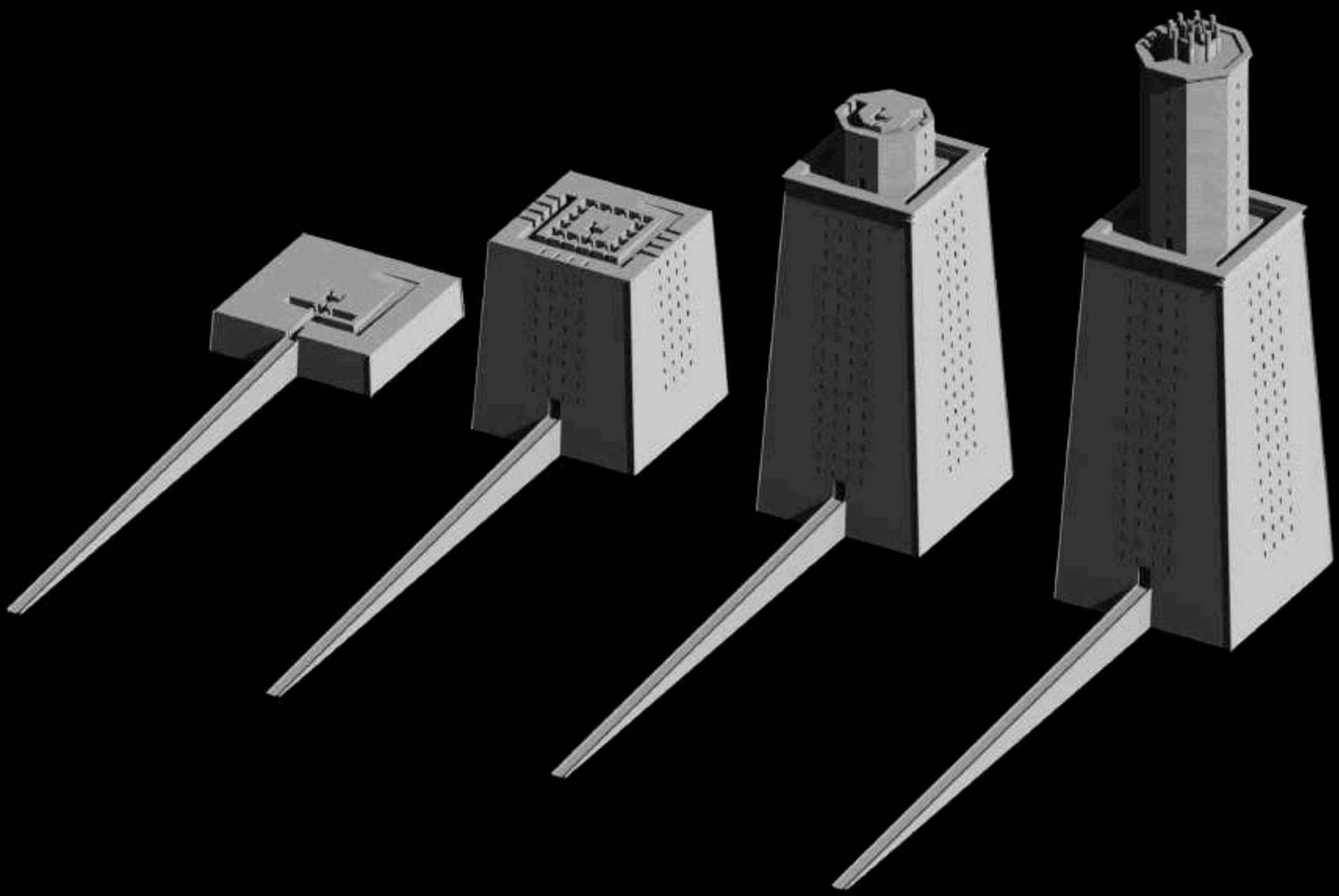
Sources
Search
Form
Name
Dates
Notes
ID
Occupation
Footnotes
Poseidippus of Pella
310 BC-240 BC
Poseidippus of P...
S1
Greek epigramm...
Ahmad Ibn Iyas al-Hanafi - Ibn Ijas Muhammed
1448 - 1522 AD
LIFE
S10
was a chronicler...
Translations: (1)...
Josephus (Yosef Ben Matityahu) (Titus Flavius Josephus)
37-100 AD
Josephus (AD 37...
S11
First-century Je...
1. Plag...
Muhammad al-Idrisi
1100 – 1165 or 1...
Abu Abd Allah Mu...
S12
was an Arab geo...
Ibn Chordadhbeh
820 - 912 AD
Ibn Chordadhbeh...
S13
was Post Master...
Jaqubi (Ya'qubi)
? - 897
Ahmad Ibn Abu Y...
S14
was a Muslim his...
Ibn al-Faqih
10th Century AD
Ibn al-Faqih al-H...
S15
Persian [1] histori...
1 Islamic Desk R...
Ahmad Ibn Rustah
10th Century
Ibn Rustah (in Pe...
S16
Persian explorer...
1 Ibn Rustah was...
al-Mas'udi (Al-Masudi)
895 - 957 AD
'Abu al-Hasan Ali...
S17
was an important...
al-Istachri
? - 951 AD
al-Istachri, Abu Is...
S18
was one of the gr...
Ibn Hawqal
Travelled 943 - 9...
Mohammad Abul-...
S19
Arab writer, geog...
1. Soucek, Svat...
Eusebius of Caesarea
263 – 339 AD
Eusebius of Cae...
S2
1. a b c Wetterau...
Al-Muqaddasi
Nasir Khusraw
Abu Zakarija
Ibn Dschubair
Benjamin of Tude
Abd-el-latif
Jaqut
Ali Ibn al-Athir
Abu l-Faradsch
Ibn Adhari Bayan
Suidas
Zakariya al-Qazi
Al-Dimashqi
Abu al-Fida
Ibn Mutawadj
Waterd Ibn al-Ku
Ibn al-Wardi
Ibn Battuta
Ibn Khaldun
Al-Maqrizi
SIHAB-AD- DIN
Pliny the Elder
Ibn Duqmaq
Ahmad al-Qalqas
Chalil Zahiri
Imam al-Suyuti
Leo Africanus
Layout: Layout #3
View As:
Preview
e Modified
Translator
Author
Time Period
Quotation Original
Quotation Translation
Notes
Notes Translated
Commentary Author
Commentary Original
Commentary Translat...
Source Refe
3:54:20 PM
Zotenberg
Johannes von Nikiu
to 680
In der äthiopischen
In the Ethiopian
1) Vgl. Butler, p.
1) See Butler, p. VIII
Hermann Thiersch
Die erste Notiz,
The first note, that
3:54:20 PM
Epiphanius
to 760
(Hagiopolites).
(Hagiopolites).
Hermann Thiersch
Von der allergrößten
Of the utmost
3:54:20 PM
Dyroff
Ibn Chordadbeh
writes of 849-885
Kitab al-masalik [de
Kitab al-MASAL [en
2) Das "ringsumher"
2) The "round"
Hermann Thiersch
Über die Zeit seiner
About the time his
3:54:20 PM
Dyroff, Reckendorf
Jaqubi
write to 891 in Egypt s...
Kitab al Buldan, de
Kitab al Buldan, de
3) mawqid ist der
3) mawqid is the
Hermann Thiersch
Wie alle bisher nahm
Like all previously
3:54:20 PM
van Berchem
Ibn Faqih
write to 903
de Goeje Bibl. geogr.
Bibl de Goeje, geogr.
4) Die Stelle scheint
4) The body seems
Hermann Thiersch
Seine Angaben
His information is
3:54:20 PM
van Berchem
Ibn Rostah
write to 903
de Goeje, Bibl.
de Goeje, Bibl.
1) Hier heißt daraga
1) Here is daraga
Hermann Thiersch
Sein Bericht ist
His report is about
3:54:20 PM
de Meynard
Masudi - Goldwäschen
writes to 915-956
a) Les Prairies d'or,
a) Prairie Gold, Text
3) Nach Reckendorf
3) After stretching
Hermann Thiersch
der "arabische
the Arab Herodotus
3:54:20 PM
Carra de Vaux
Masudi - Tanbih
writes to 915-956
b) Le livre de
b) The book of
3) Wörtlich: "von der
3) Literally: "of the
Hermann Thiersch
b) Tanbih: die
b) Tanbih: the story
3:54:20 PM
Reckendorf
Istachri
951 edits
De Goeje, Bibl.
De Goeje, Bibl.
Hermann Thiersch
Über ihn ist wenig
About it is little
3:54:20 PM
Reckendorf
Ibn Hawqal
write to 960
De Goeje, Bibl.
De Goeje, Bibl.
1) "keine
1) "No mirage"
Hermann Thiersch
Wie Istachris Bericht
How Istachris report
3:54:20 PM
Reitemeyer
Magdisi
985 edits
De Goeje, Bibl.
De Goeje, Bibl.
2) Nach v. Berchem
2) After v. Berchem
Hermann Thiersch
So genannt nach
So named after his
3:54:20 PM
Schefer
Nasiri Chosrau
visited Egypt in the
ein persischer
a Persian traveler, in
3:54:20 PM
Marquartt
Abu Zakarija
died 1078
Historiker einer
Muslim historians
3:54:20 PM
Dozy et de Goeje;
Idrisi
born in 1099, includes
Description de
Description of Africa
1) Er meint wohl die
1) He says probably
3:54:20 PM
Reckendorf
Ibn Dschubair
write to 1182, died
befindet sich in
Located in
3) Nach Reckendorf
3) After stretching
3:54:20 PM
Baratier
Benjamin of Tudela
Egypt in 1173
Voyages, ed.
Voyages, ed.
12:33:54 AM
Wahl
Abdellatif
write to 1190, died
Abdellatif, Relation
Abdellatif, Relation
3:54:20 PM
Dyroff
Jaqut
writes to 1215-1227,
besucht Alexandrien
visited Alexandria in
1) Der Text ist hier
1) The text is not
3:54:20 PM
Fagnan
Ibn el-Athir
died 1234
ed. Tornberg Bd. VI,
ed Tornberg Vol VI,
3:54:20 PM
Reckendorf
Abu' l-Faradsch
1226-1289
Sein syrischer Name
His name is Syrian
4) Durch freundliche
4) Through friendly
3:54:20 PM
Fagnan
Ibn Adhari Bayan
Late 13th Century
Kurzfassung vom
Kurzfassung vom Ende
3:54:20 PM
Dyroff
Qazwini
died 1283
ed. Wustenfeld II, p.
ed Wüstefeld II, p.
5) Von Herzfeld
5) From Herzfeld
3:54:20 PM
Mehren
Dimaschqi
lives from 1256-1327
(Schams ed-din Abu-
(Schams-ed-din Abu
3:54:20 PM
Reinaud
Abulfeda
lives from 1273-1331
hielt sich in Ägypten
held in Egypt on H
3:54:20 PM
Ibn Mutawadj
write to 1314
gestorben 730.
died 730th Wrote
3:54:20 PM
Ahmed el-Warraq
died 1319
Kitab mabahij al-
Kitab mabahij al-
3:54:20 PM
Fraehn
Ibn al-Wardi
died 1350
Eine Textausgabe
A text edition of his
3:54:20 PM
Defrémery-Sanguinetti
Ibn Batuta
write to 1326, died
ed. Defrémery et
ed. I Defrémery and
1) Nach Reckendorf
1) After stretching
3:54:20 PM
Noel de Vergers
Ibn Khaldun
written around 1378
(achrijin um 1379 in
(written around
3:54:20 PM
Bouriant
Maqrisi - Description
lives in Egypt 1364
a) Description
a) topographical and
3) "Sixième" ist
3) "Sixième is
3:54:20 PM
Quatremère
Maqrisi - Histoire des
lives in Egypt 1364
b) Histoire des
b) History of the
3:54:20 PM
Rat
Ahmed el-Aboshi,
c. 1388-1446
Kitab al Mostatraf,
Kitab al Mostatraf,
3:54:20 PM
C. H. Becker
Ibn Duqmaq (IDN
writes after 1391
ed. Bulak (1309
ed. Bulak (1309
3:54:20 PM
van Berchem
Qalqaschandi
writes for 1412-1418
Der Text ist noch
The text has not yet
1) Das Stück ist
1) The piece is
3:54:20 PM
van Berchem
Chalil Zahiri
write to 1436
Zubdah, ed.
Zubdah, ed Ravaisse
2) "Griechen" ersetzt
2) "Greeks" are
3:54:20 PM
van Berchem
Suyuti
lived 1445-1505
Husn al-muhadara,
Husner al-muhadara,
1) rasif = fest, festes
1) = rasif finds solid
3:54:20 PM
van Berchem
Ibn Ijas Muhammed
Chronicle until 1522
Bd. II, p. 173,189 u.
Vol II, p. 173,189
3:54:20 PM
J. Florianus
Leo Africanus (Hasan
Egypt in 1517
(Hassan ben
Hassan ben
3:54:20 PM
nach E. Blochet
Turkish manuscript in
written 1582
Als ein
As a curious
10:51 AM
Jewish historian
1st Century AD
States that the left
Calculating each
3:54:20 PM
Poseidippus of Pella
During the reign of
As a saviour of
It is preserved on a
3:54:20 PM
Eusebius of Caesarea
263 - 339 AD
Dates for
Eusebii Chronicorum
3:54:20 PM
Suidas
before Eustathius (12th
Dates for
Suidae Lexicon, ed.
3:54:20 PM
Pliny the Elder
79 AD
Ptolemy allowed
Pliny, Natural History
3:54:20 PM
Lucian of Samosata
125 - after 180 AD
The archivist
Lucian, to How to
3:54:20 PM
Pliny the Elder ? &
79 -180 AD
Was Sostratus the
Suggestion that the
3:54:20 PM
Pliny the Elder
AD 23 – August 25, 79
Lighthouse cost 800
Pliny, Natural History
3:54:20 PM
Pliny the Elder
AD 23 – August 25, 79
Mentions that
Pliny, Natural History
3:54:20 PM
Lucian of Samosata
125 - after 180 AD
Comments 'we ought
Lucian, Ripples, or
3:54:20 PM
Strabo
63/64 BC – ca. AD 24
Describes the
Strabo, Geography
3:54:20 PM
Ammianus Marcellinus
325/330-after 391
Cleopatra may have
Ammianus
3:54:20 PM
Ibn Iyas
Records that Qait
Correct identification
2
3
4
4 90-95 AD
7
8
8 90-95 AD
11
12

Databases



Reference Material

Spatial Data



3D Models

Los Angeles Historic Theatres

Image source: http://stoltzfamily.us/los-angeles/

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The Field

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Special Collections

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Image source: http://www.graphitejournal.com

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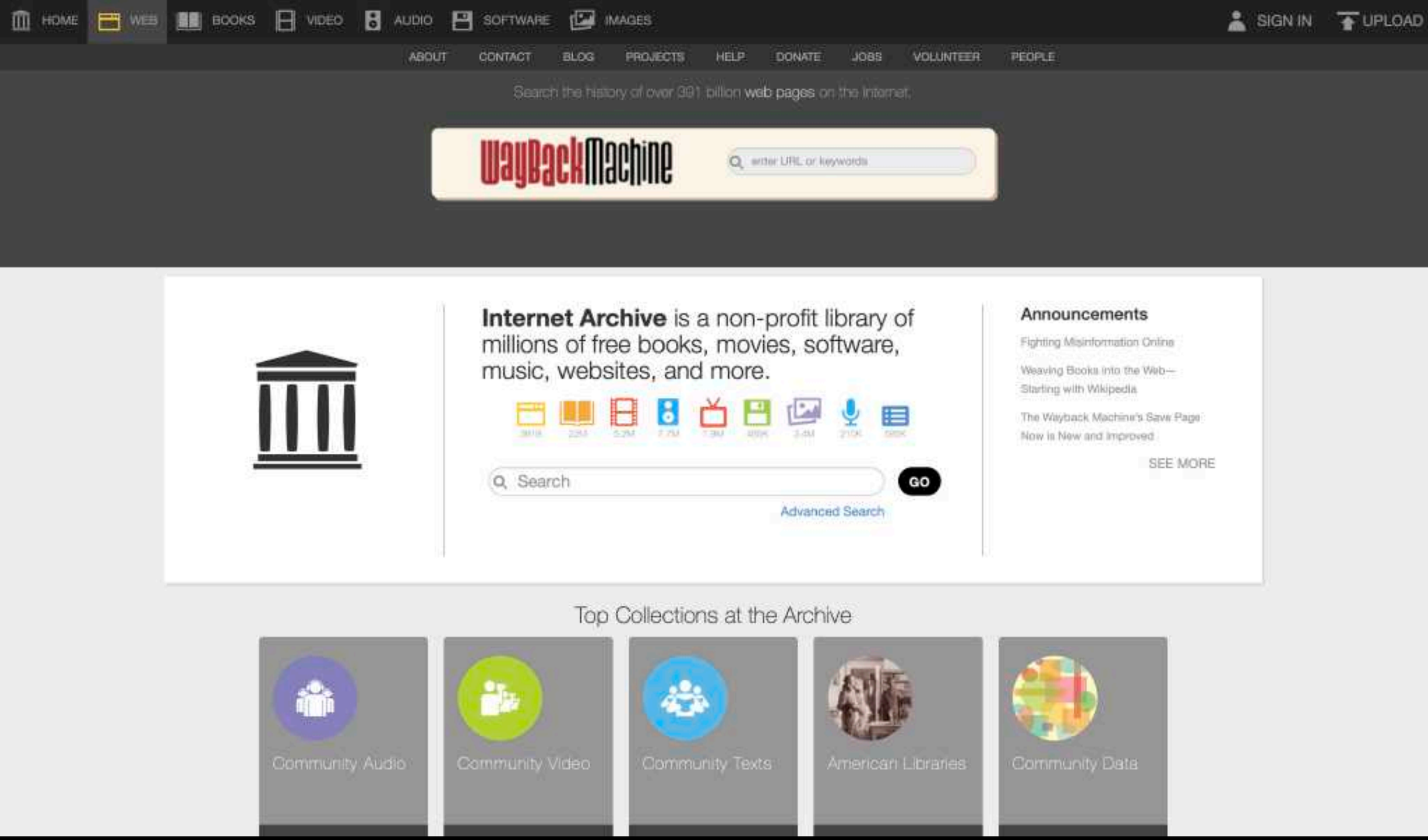

Online Archives

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Archive vs Field

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Image source: Top: https://www.paul-mellon-centre.ac.uk, Bottom: https://wadahp.wordpress.com

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The Archive

Specific location

Controlled Environment

Open Access

Limited Access

Very Limited Access

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Image source: https://en.wikipedia.org

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The Field

Just about anywhere

Uncontrolled Environment

Access issues

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Image source: https://summer.virginia.edu

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Collection Methods

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Image source: Eric Paré ericpare.com

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Cameras

(still and movie)

Image source: https://www.lensrentals.com

Specialized Instruments

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Image source: https://forschungsinfrastruktur.bmbwf.gv.at

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Drones

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Image source: https://www.commercialuavnews.com

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Microphones

Image source: https://www.macaulaylibrary.org

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Pre-Captured Data

Image source: https://www.maketecheasier.com/

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Files

Organize

Annotate

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Image source: https://blogs.3ds.com/

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Planning

The goal is to work efficiently

What will you do with the information?

Where is it?

What form is it in?

How long will it take?

How long do you have?

What tools can you bring?

Will you have internet access?

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Image source: https://www.callcentrehelper.com/

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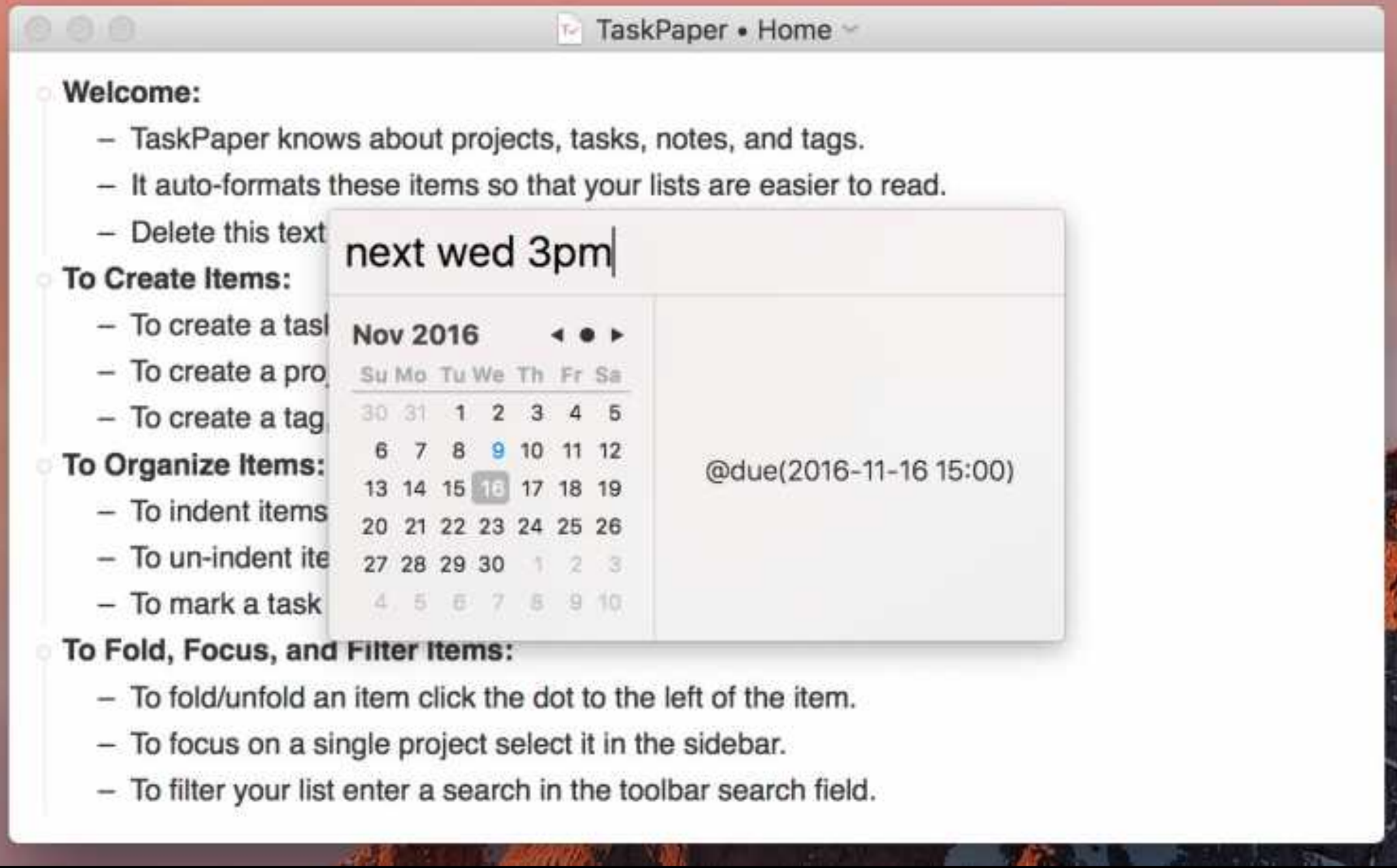

Task Manger

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Workflows

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Image source: https://www.bplogix.com

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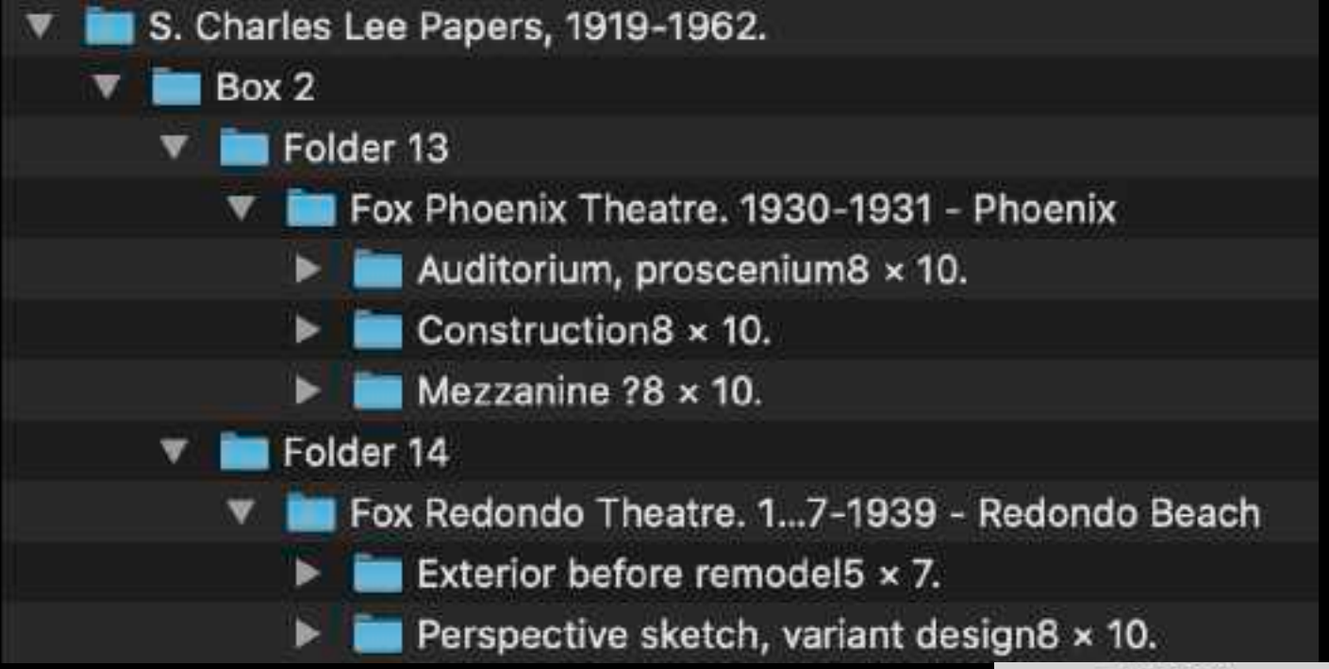
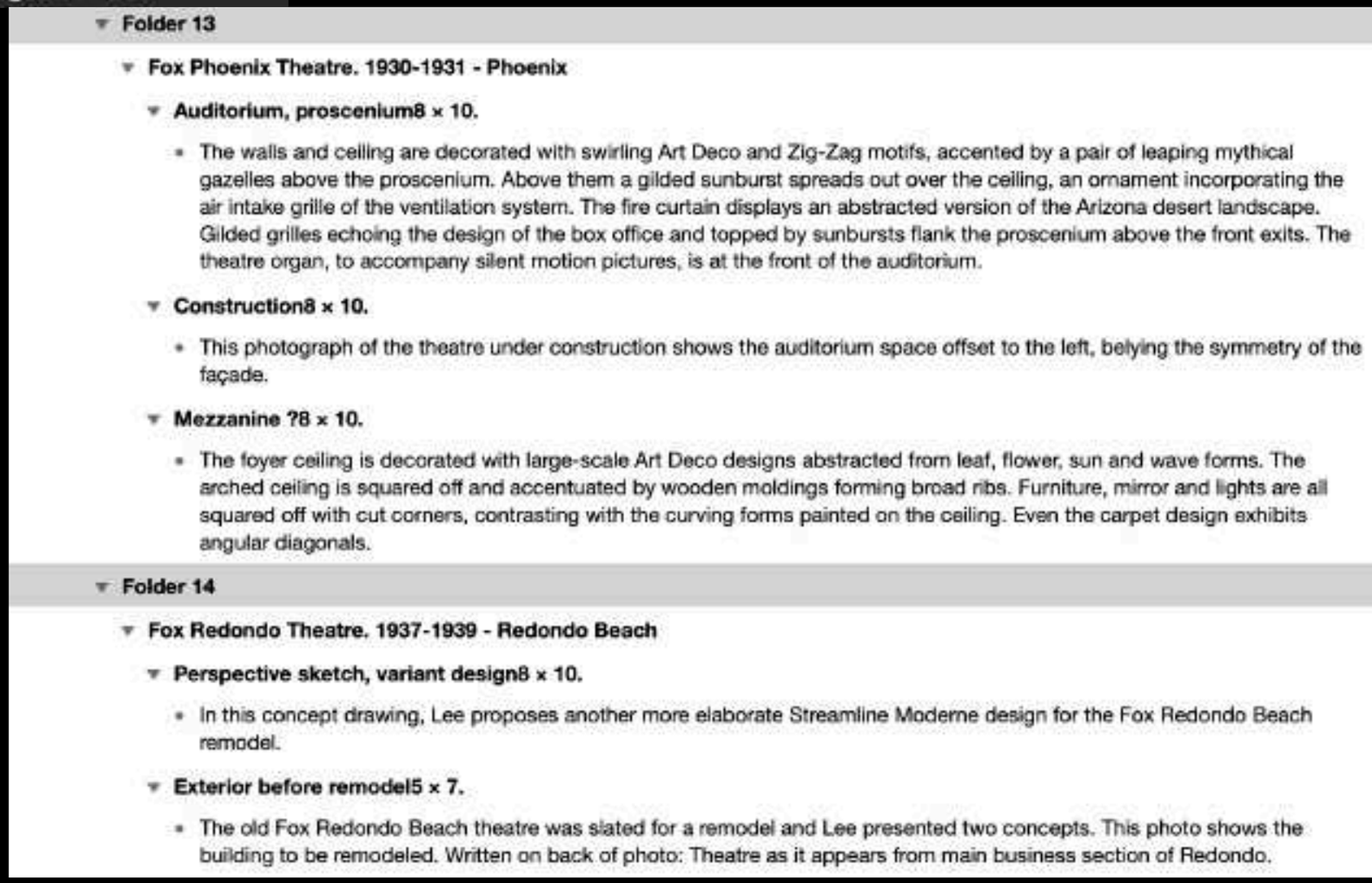


Simple File Tracking

Outliner and Folders



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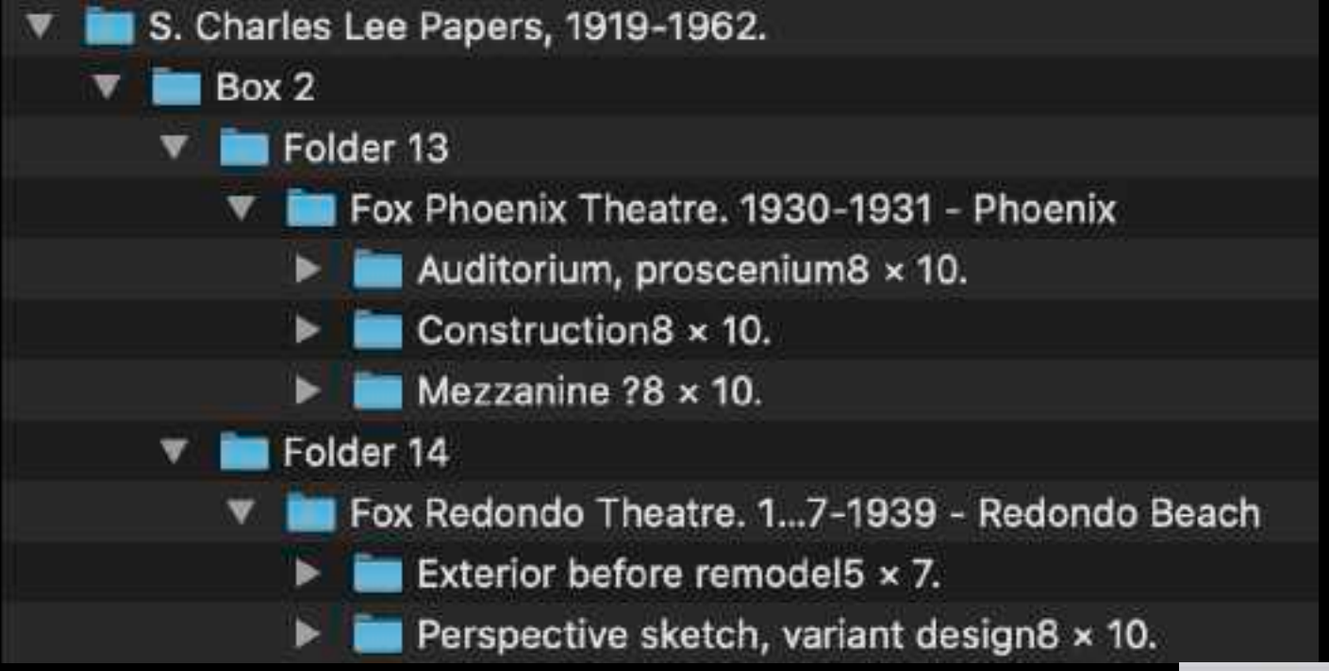
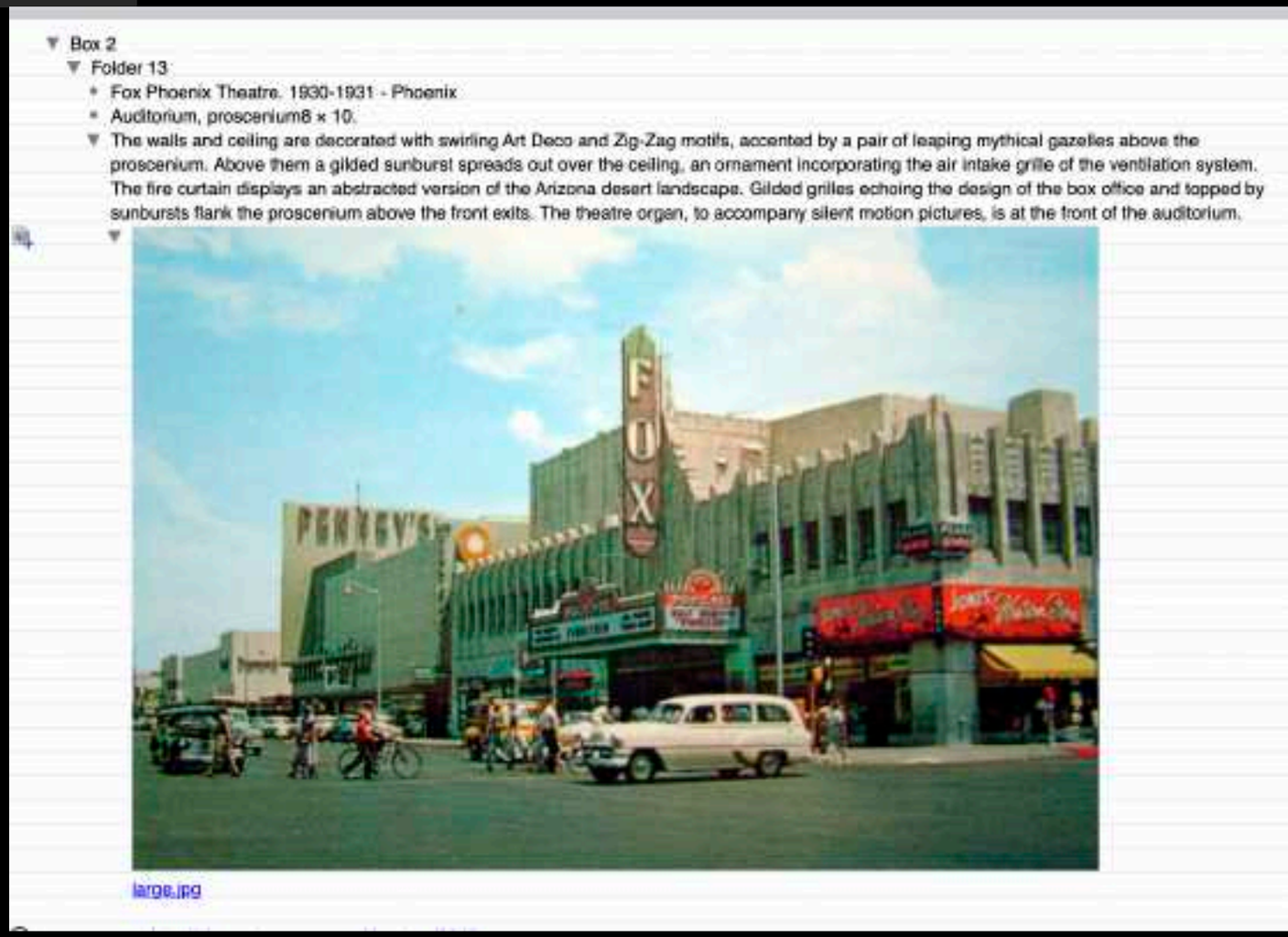


Advanced File Tracking



Folder and Note-taking

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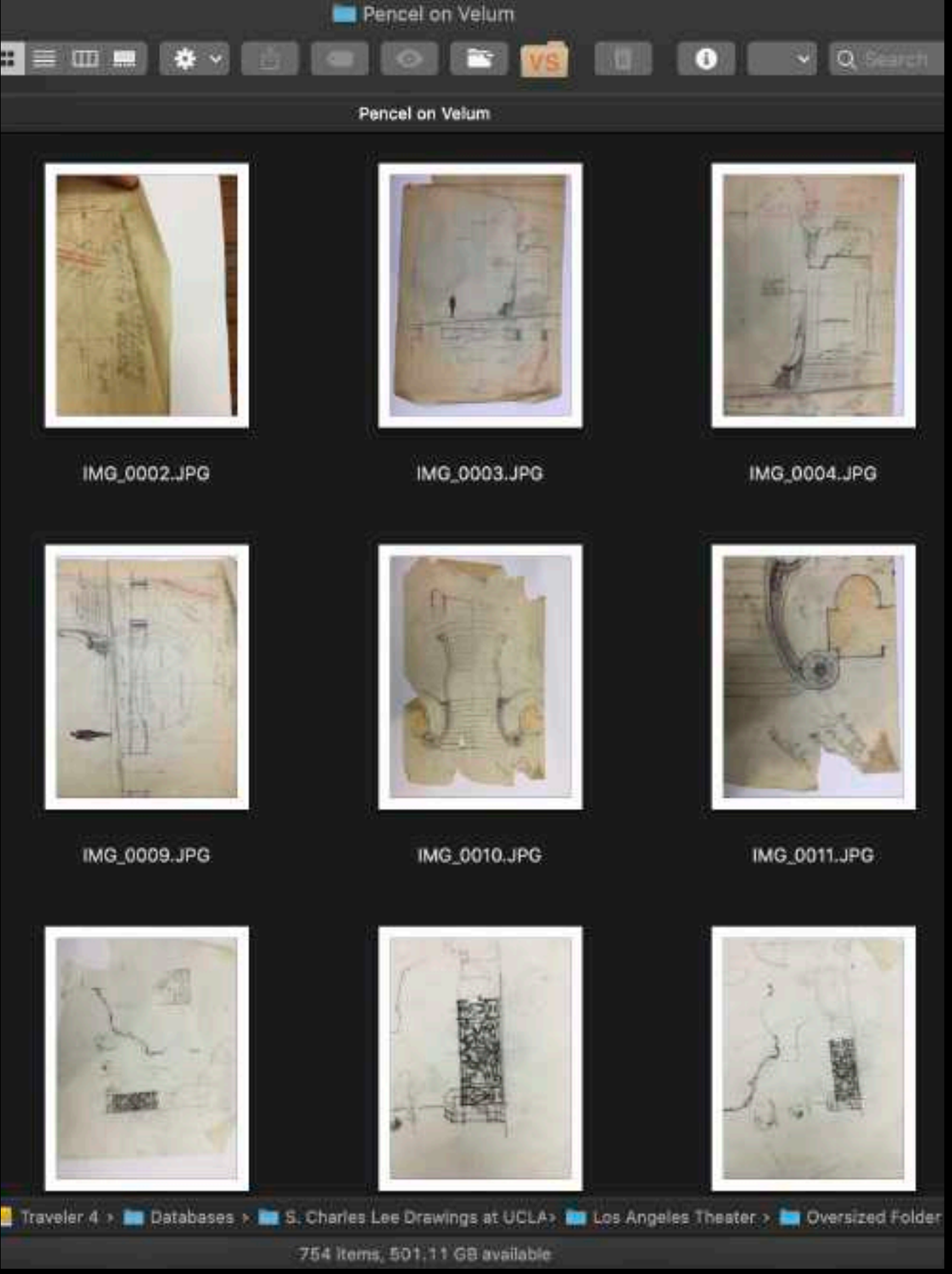

Files with previews

Operating System

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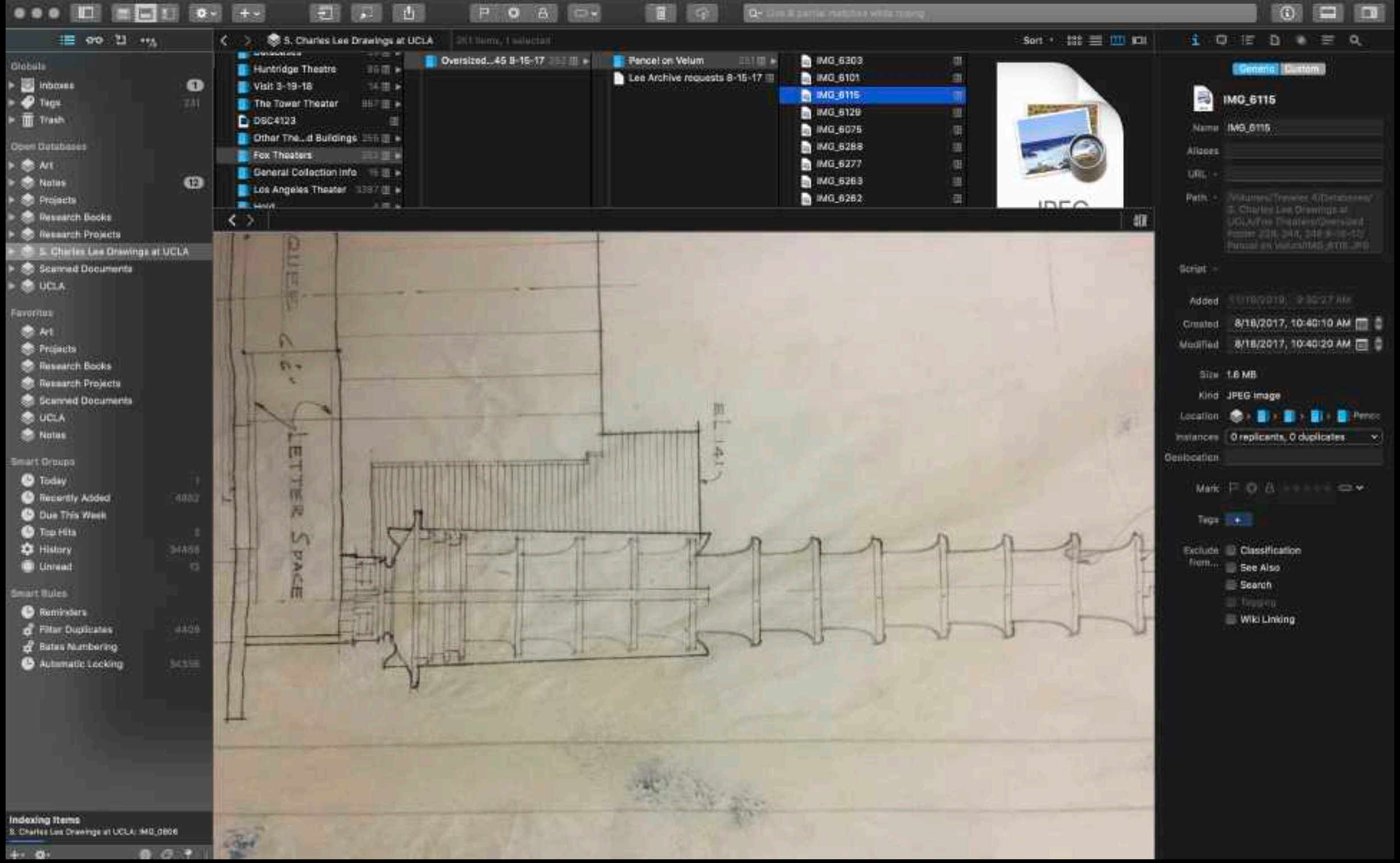

Information and Document Management Software

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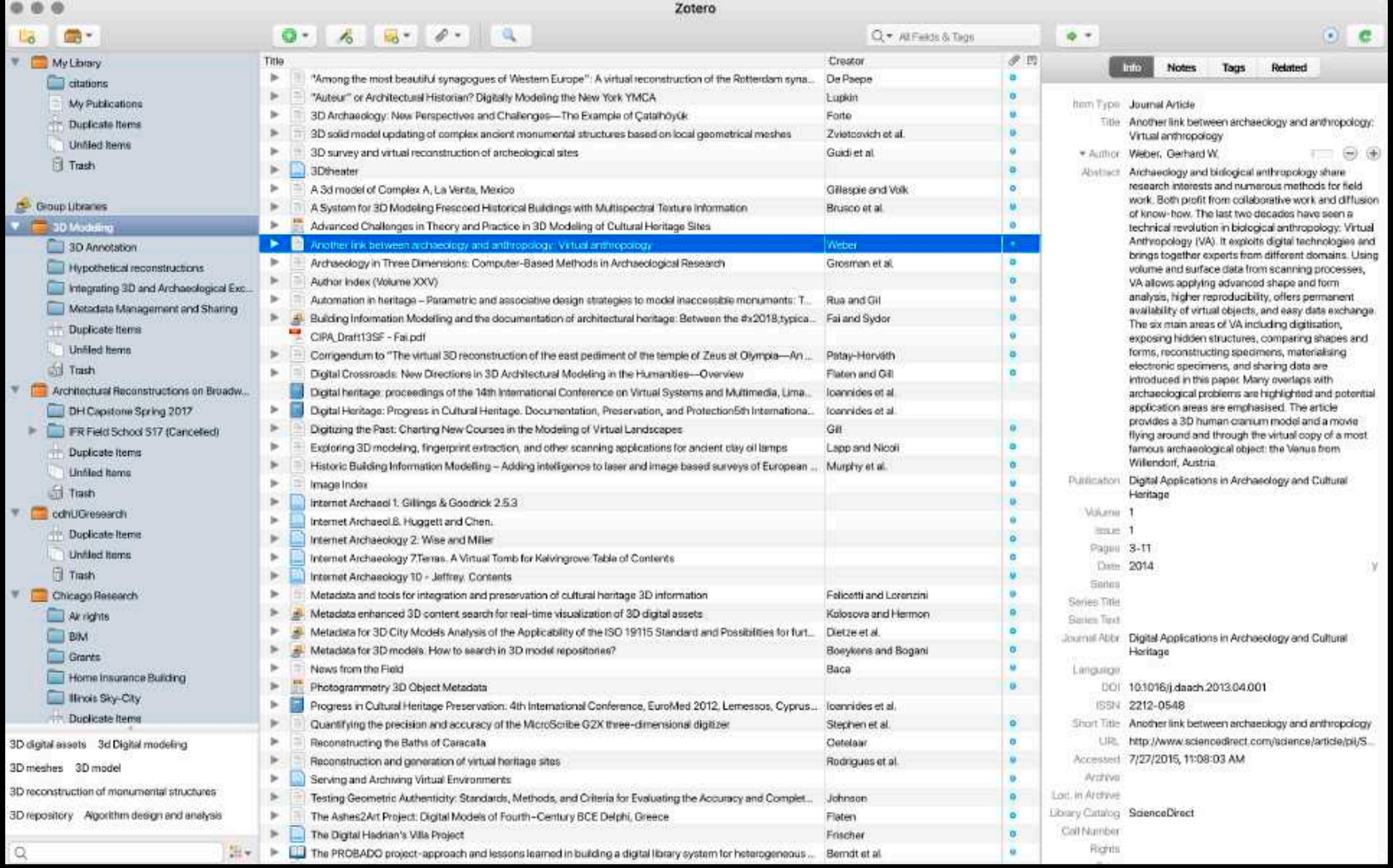

Articles and papers - Reference Managers

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Backup - Plan this strategy carefully!

Make sure all of your data syncs to the cloud or you have multiple copies on different media

Image source: https://www.mgitsol.com

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Tools

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Image source: https://soldbyres.com

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Compare and Contrast Essay Outline Template

A. Introduction
   a. Introduction to the broad topic
   b. Specific topic
   c. Thesis statement
B. Body Paragraphs
   a. Body paragraph #1—First aspect that's similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2
   b. Body paragraph #2—Second aspect that's similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2
   c. Body paragraph #3—Third aspect that's similar or different
      i. Subject #1
         1. Detail #1
         2. Detail #2
      ii. Subject #2
         1. Detail #1
         2. Detail #2
C. Conclusion
   a. Summary of main points—Restate thesis while synthesizing information from body paragraphs

Outliners

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Image source: https://www.pinterest.com/pin/424534702360434110/

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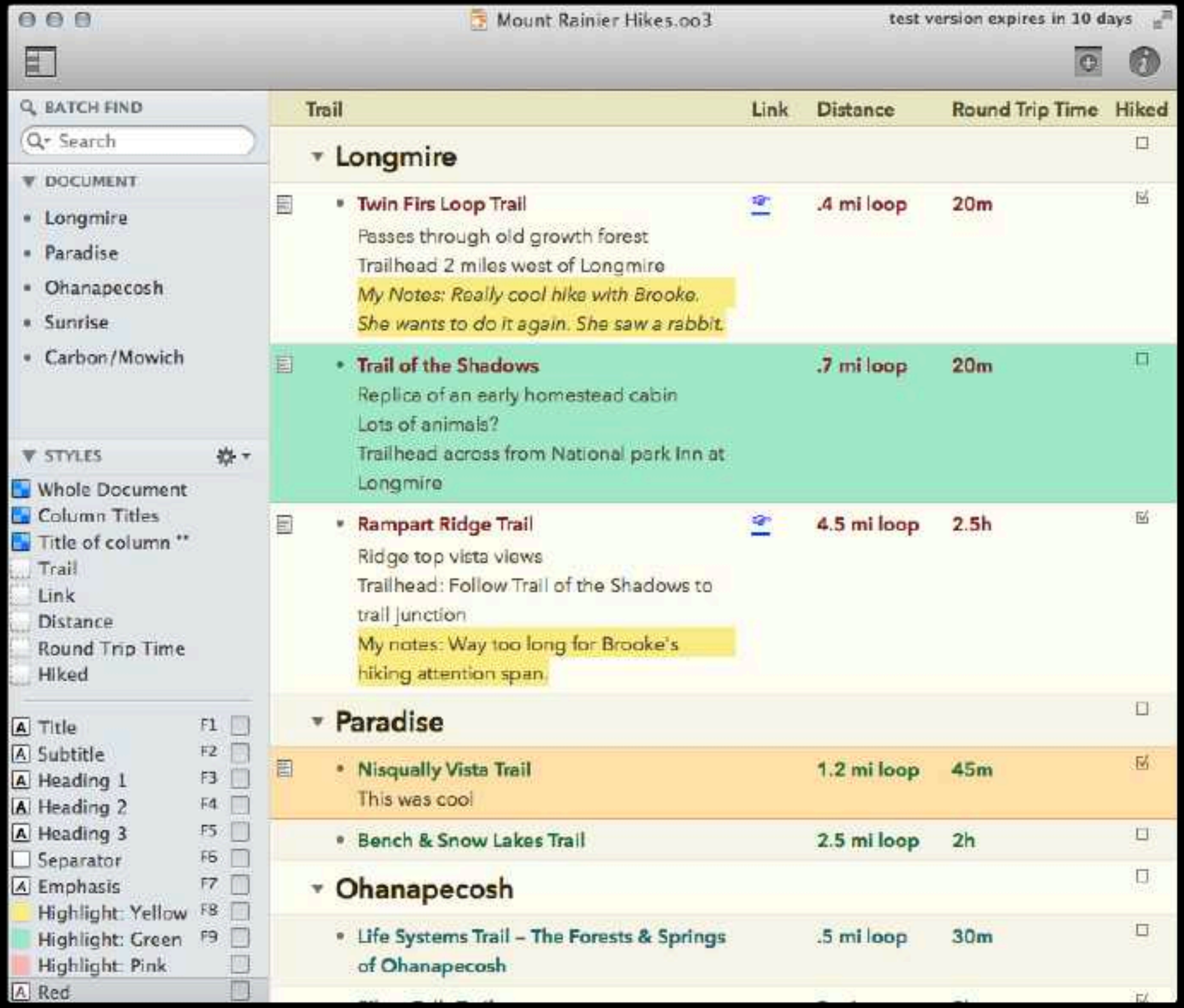
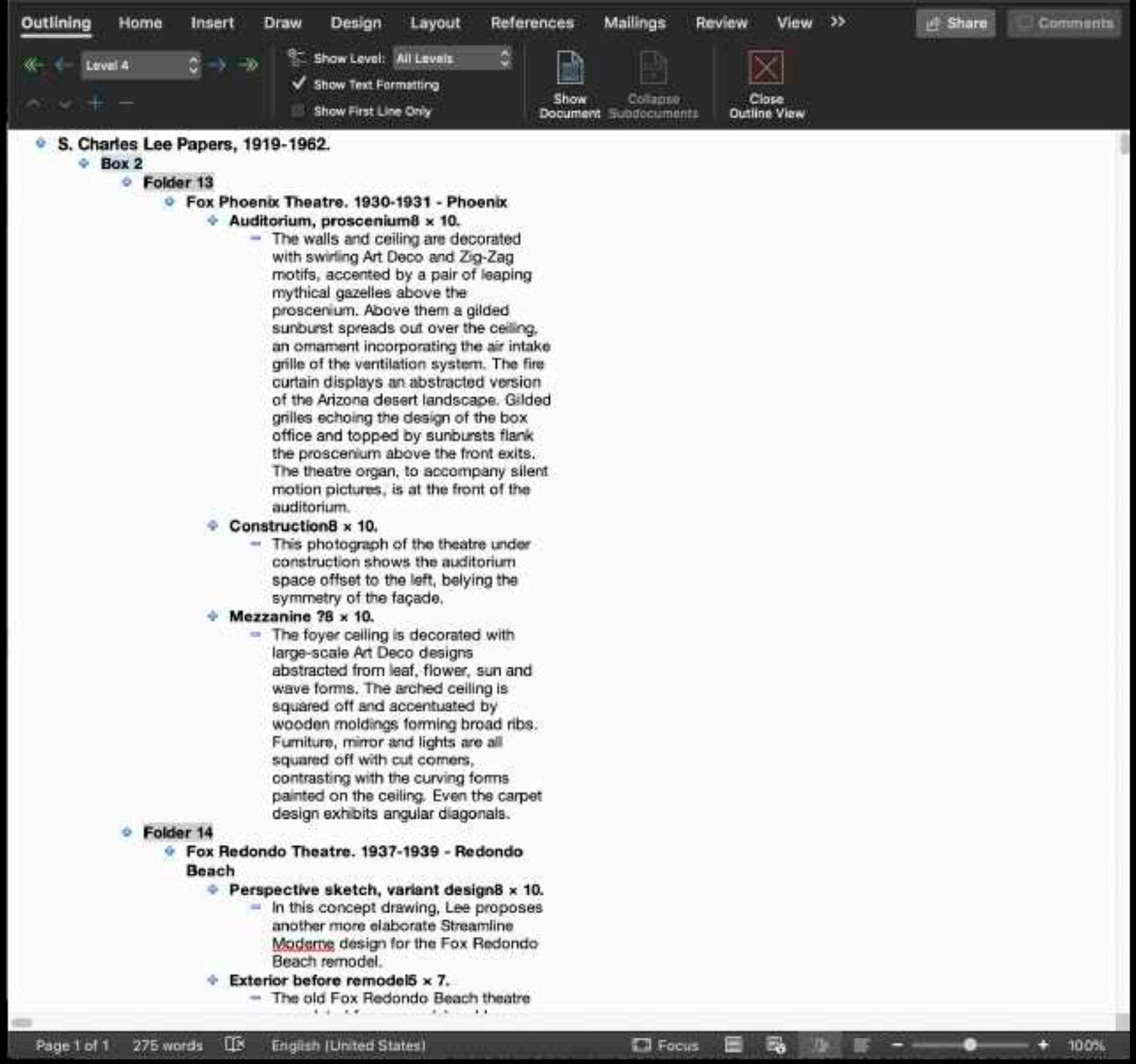


Mac, iPad, and iPhone

Omnioutliner

https://www.omnigroup.com/omnioutliner/



Mac, Windows, iPad, iPhone, Android and Web

Microsoft Word

https://www.microsoft.com/en-us/microsoft-365/word

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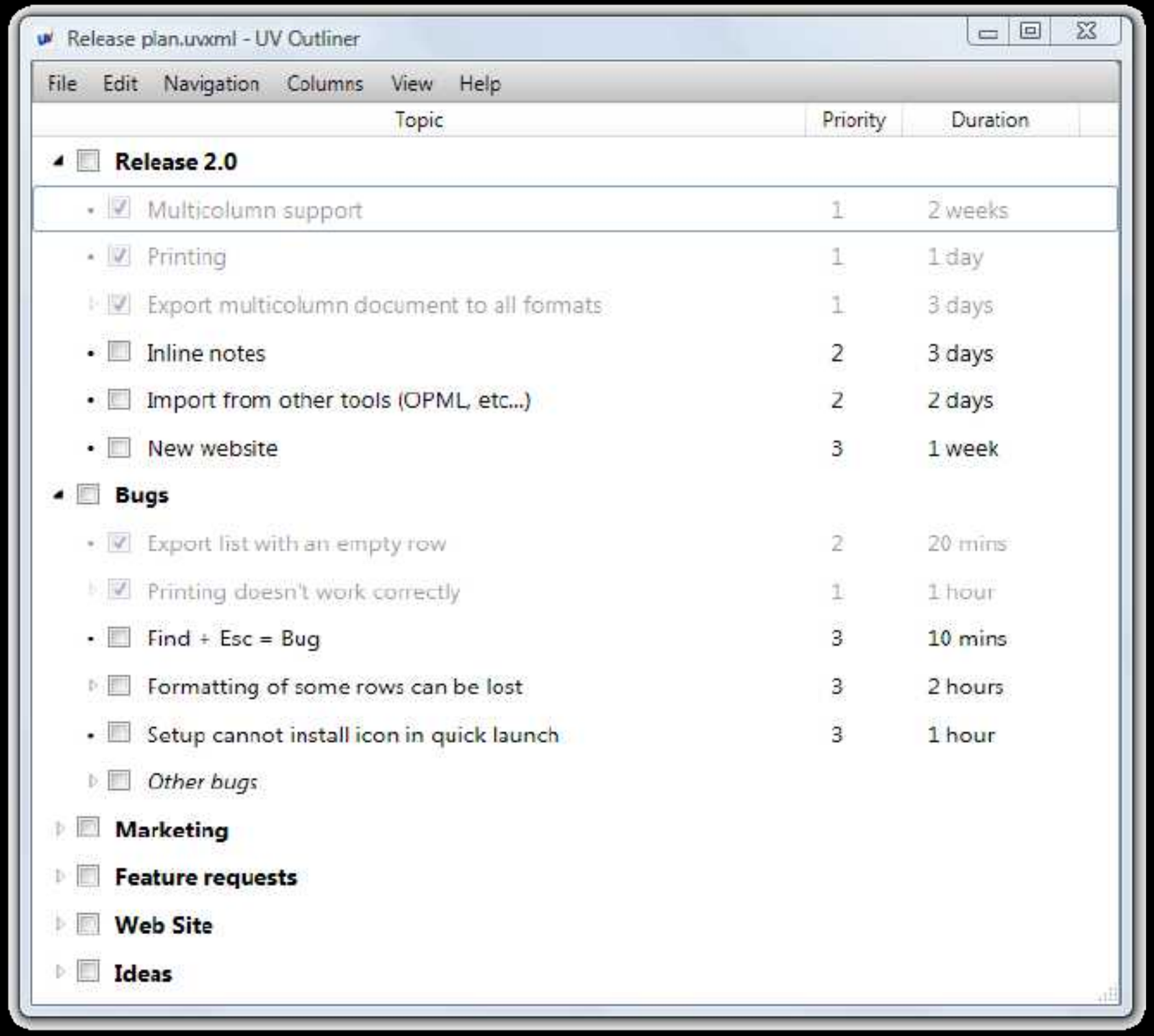

Windows

UV Outliner

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http://uvoutliner.com/

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Note-taking

Image source: https://dailybruin.com

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iPad 12:13 PM Demo 100%

Home Insert Draw View

Calibri Light 20 B I U abc Styles

Travel Accounts Documents Upcoming Deadlines Quick Notes +

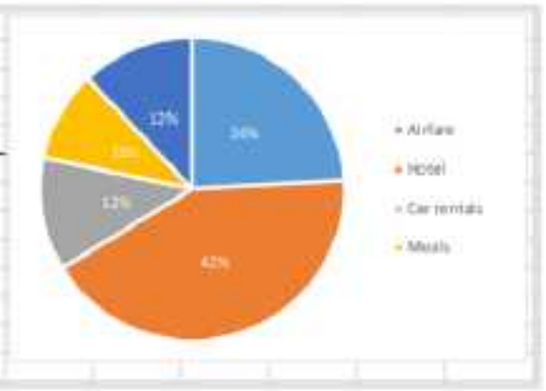
Trip itinerary

Monday, June 23, 2014 5:36 PM

- [x] Book all flights
- [x] Hotel reservation confirmation: 11 days? Parking?
- [ ] ! Rental car: Four door or SUV?
- Hotel conference room: Book for Tuesday 9am (confirm extra seats)
- [x] Set up lunch catering for Tuesday
- [ ] ★ Client hotel accommodations
- [x] Ratings/maps: restaurants/grocery stores
- [ ] Create final guest list
- [ ] ! Sign up for tour of Notre Dame

Budget Spreadsheet

Airfare	$ 2,000
Hotel	$ 3,500
Car rentals	$ 1,000
Meals	$ 800
Other expenses	$ 1,000
Total	$ 8,300



meet John at the tower @2pm

Add Page

Trip itinerary

Spreadsheets

Rentals

Budget

Current finances

Mac, Windows, iPad, iPhone, Android and Web

Microsoft OneNote

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https://www.microsoft.com/en-us/microsoft-365/onenote/digital-note-taking-app?ms.url=onenotecom&rtc=1

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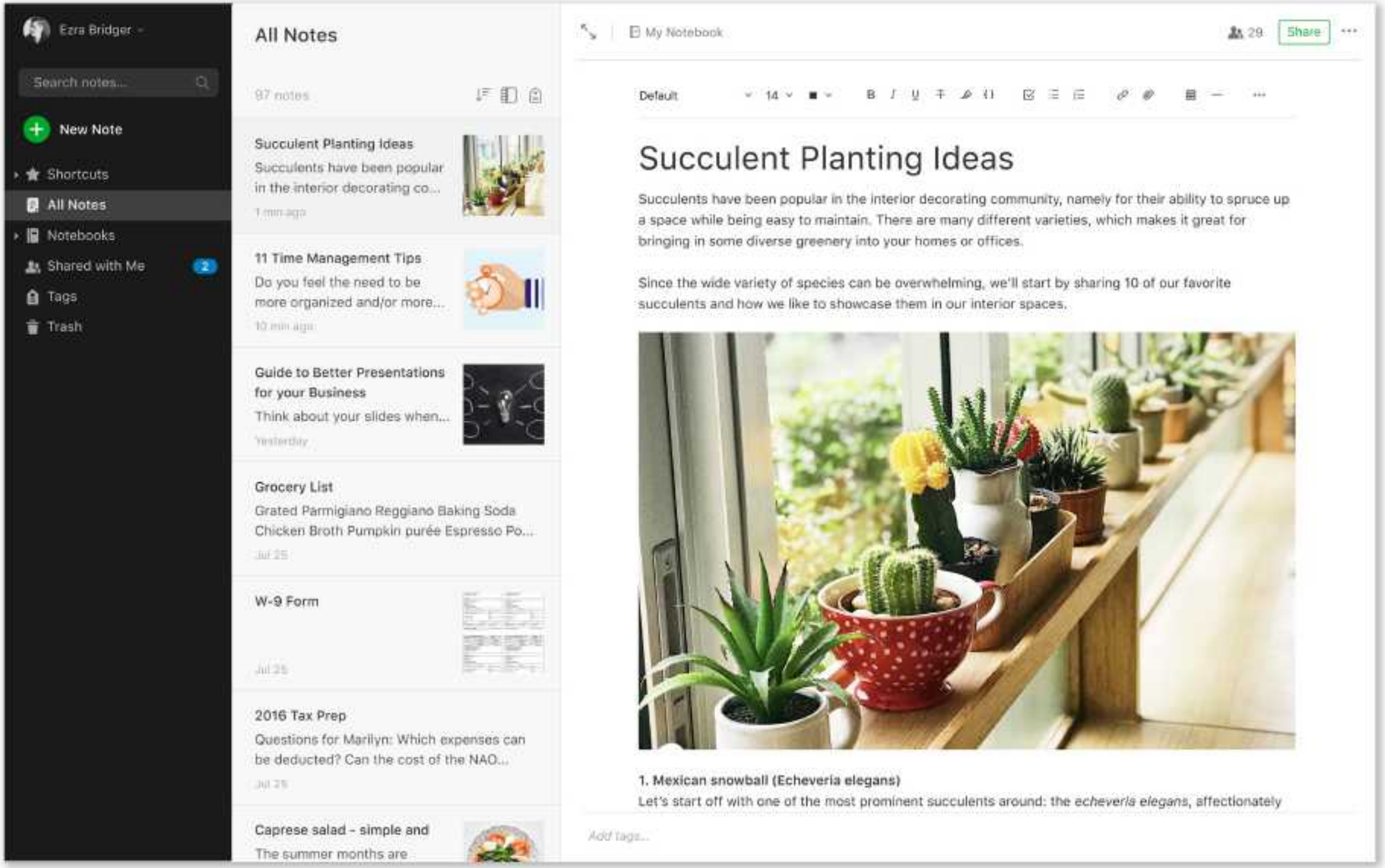

Mac, Windows, iPad, iPhone, Android and Web

Evernote

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https://evernote.com/

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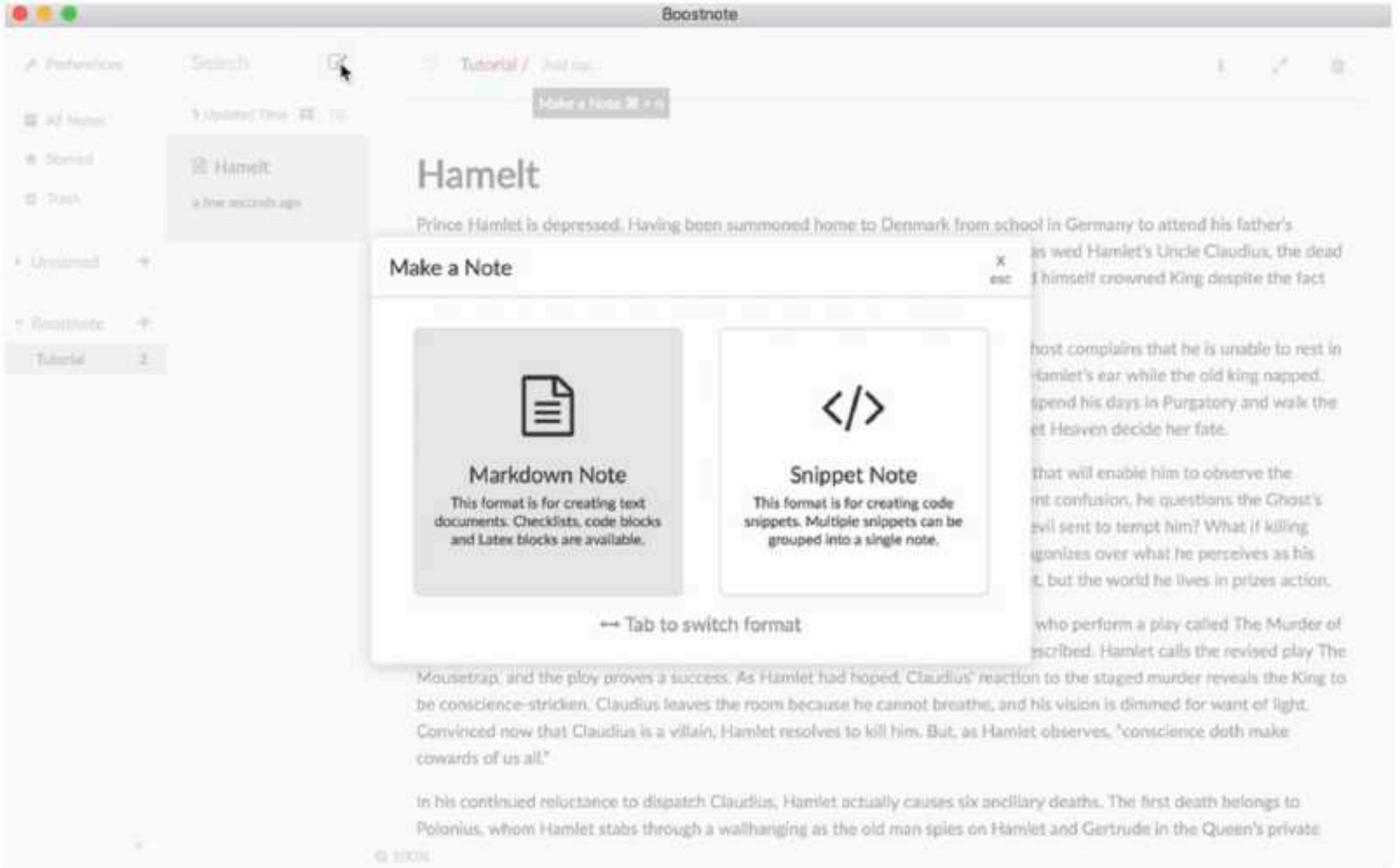

New Snippet

Mac, Windows, iPad, iPhone, and Android

Boostnote

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https://boostnote.io/

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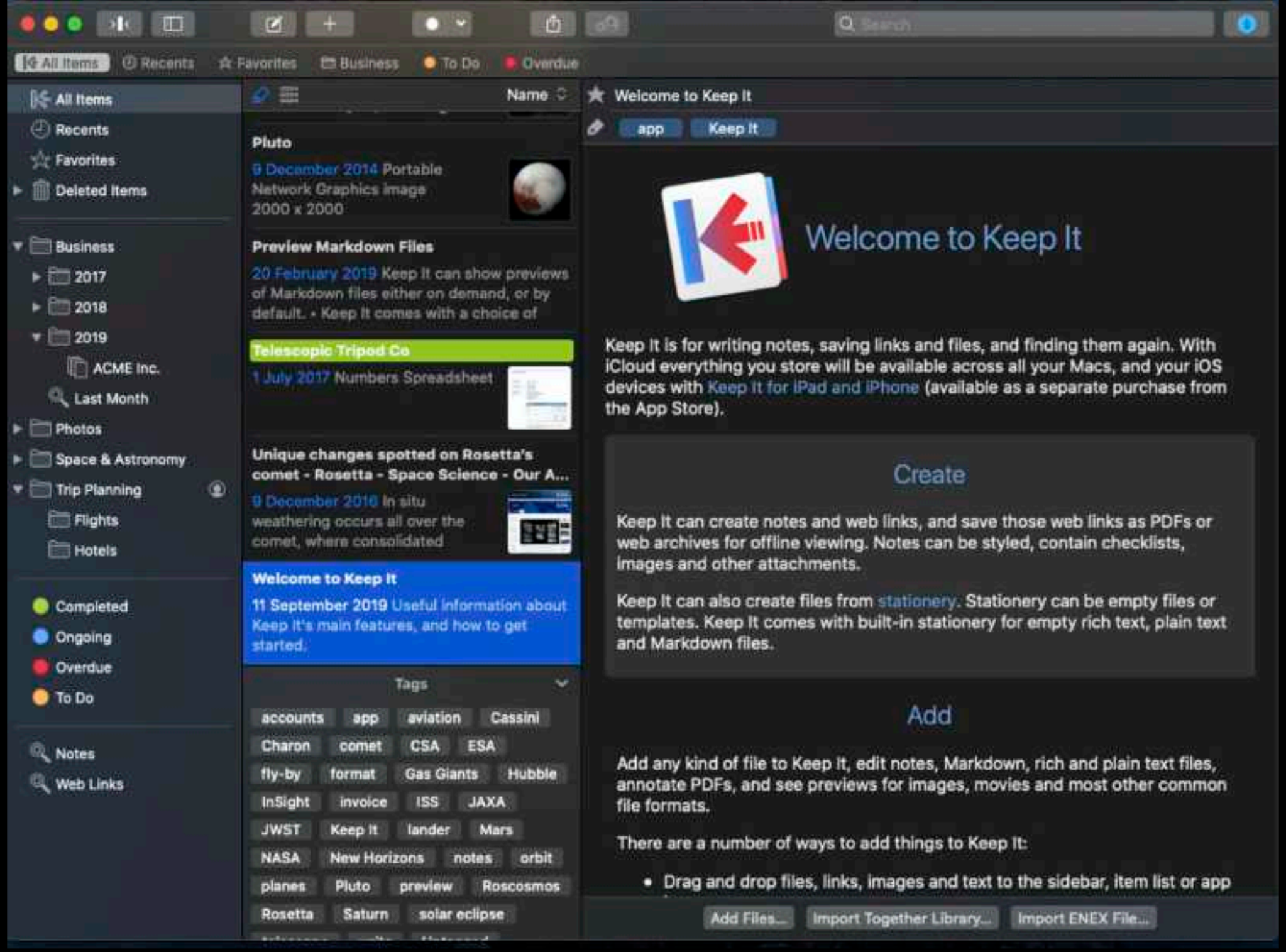

Mac iPad and iPhone

Keep it

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https://reinventedsoftware.com/keepit/

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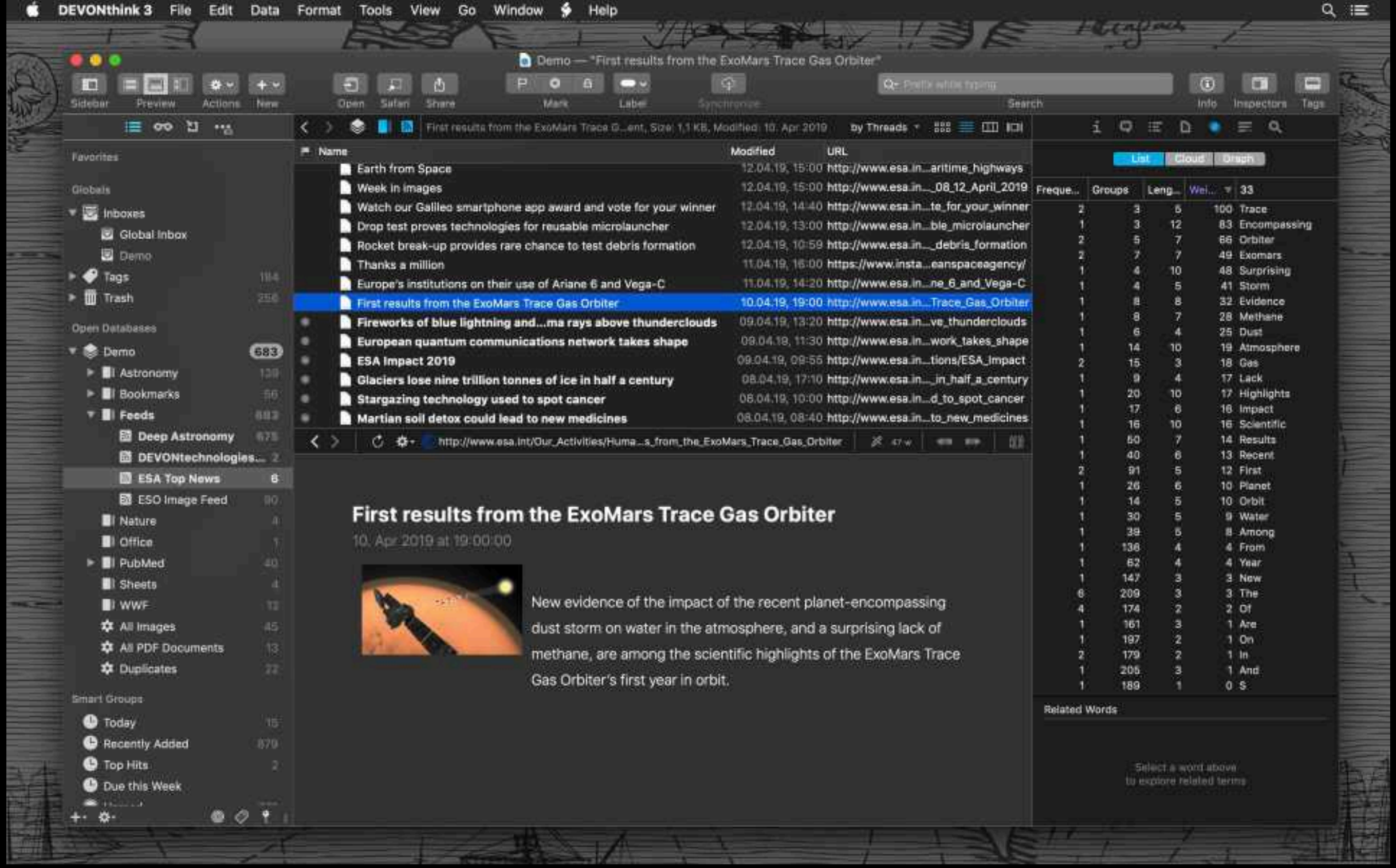

Mac iPad and iPhone

DEVONthink

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https://www.devontechnologies.com/apps/devonthink

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Document and Information Management

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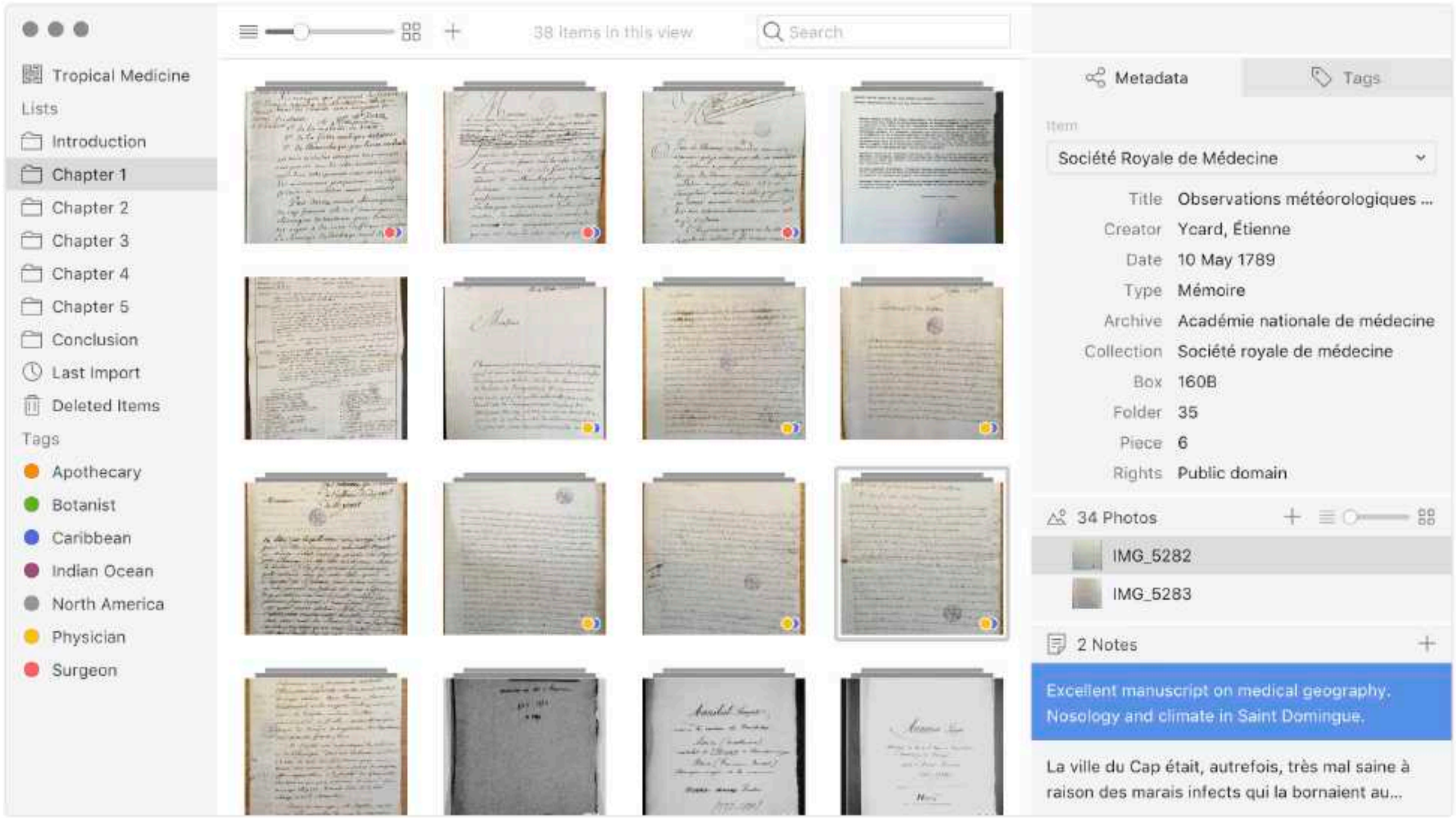

Mac and Windows

Tropy

https://tropy.org/

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Mac iPad and iPhone

DEVONthink

https://www.devontechnologies.com/apps/devonthink

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Reference Management

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Title, Creator, Year

My Library
- Book Reviews
- Colonial Medicine
- Dissertation
- Science and Empire
- Teaching
  - Mapping
  - Open Access
  - Text Mining
  - Visualization
- My Publications
- Duplicate Items
- Trash

Group Libraries
- Grant Proposal
- Research Lab
- Topic Modeling

To Read 19th century Acclimatization Aged Appetite Blood Cemetery Children Climate Colonies Competition Creoles Crossing Degeneration Diet Digestion Disease Doctors Drugs Electric Eels Empiricism Expertise Food France Geography Global Guyane Hair Indies Indigenous medicine Intemperance Language Lemonade Medicine Mortality Piment Poison Practice Professionalism Regeneration Secrets

Title	Creator	Year
Guerre, maladie, empire. Les services de santé militaires en ...	Zaugg	2016
Officiers de santé et soignantes créoles face à la fièvre jaune	Nobi	2016
The Emergence of Tropical Medicine in France	Osborne	2014
Colonial Disease, Translation, and Enlightenment: Franco-Briti...	Charters	2014
Trading in Drugs through Philadelphia in the Eighteenth Centu...	Wilson	2013
The Medicines Trade in the Portuguese Atlantic World: Acquisi...	Walker	2013
Leprosy and Slavery in Suriname: Godfried Schilling and the Fr...	Snelders	2013
Medical Experimentation and Race in the Eighteenth-century ...	Schiebinger	2013
The Circulation of Bodily Knowledge in the Seventeenth-centu...	Gómez	2013
Circulation of Medicine in the Early Modern Atlantic World	Cook and Walker	2013
Synthesis of scholarship on "medicines" to restore focus o...		
Full Text PDF		
Colonial Medical Encounters in the Nineteenth Century: The Fr...	Thoral	2012
Networks in Tropical Medicine: Internationalism, Colonialism, a...	Neill	2012
Early Clinical Features of Dengue Virus Infection in Nicaraguan...	Biswas et al.	2012
Medicine in an age of commerce and empire: Britain and its tr...	Harrison	2010
Finding the "Ideal Diet": Nutrition, Culture, and Dietary Practic...	Neill	2009
Battles of the Self: War and Subjectivity in Early Modern France	Pichichero	2008
The Experiments of Ramón M. Termeyer SJ on the Electric Eel ...	de Asúa	2008
Psychiatry and Empire	Mahone and Vaughan	2007
Medicine and the Market in England and its Colonies, C.1450-...	Jenner and Wallis	2007
Matters of exchange: commerce, medicine, and science in the...	Cook	2007
A Horrible Tragedy in the French Atlantic	Rothschild	2006
"Neither of meate nor drinke, but what the Doctor alloweth": ...	Chakrabarti	2006
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"Syphilis, Opiomania, and Pederasty": Colonial Constructions ...	Proschan	2003
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The Colonial Machine: French Science and Colonization in the ...	McClellan and Rego...	2000
From medical astrology to medical astronomy: sol-lunar and pl...	Harrison	2000
Disease and Empire: The Health of European Troops in the Co...	Bynum	2000

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Item Type	Journal Article
Title	Circulation of Medicine in the Early Modern Atlantic World
Author	Cook, Harold J.
Author	Walker, Timothy D.
Abstract	The search for powerful drugs has caused people and commodities to move around the globe for many centuries, as it still does...
Publication	Social History of Medicine
Volume	26
Issue	3
Pages	337-351
Date	2013/08/01 y m d
Series	
Series Title	
Series Text	
Journal Abbr	Soc Hist Med
Language	en
DOI	10.1093/shm/hkt013
ISSN	0951-631X
Short Title	
URL	https://academic.oup.com/shm/article/26/3...
Accessed	1/24/2018, 10:17:12 AM
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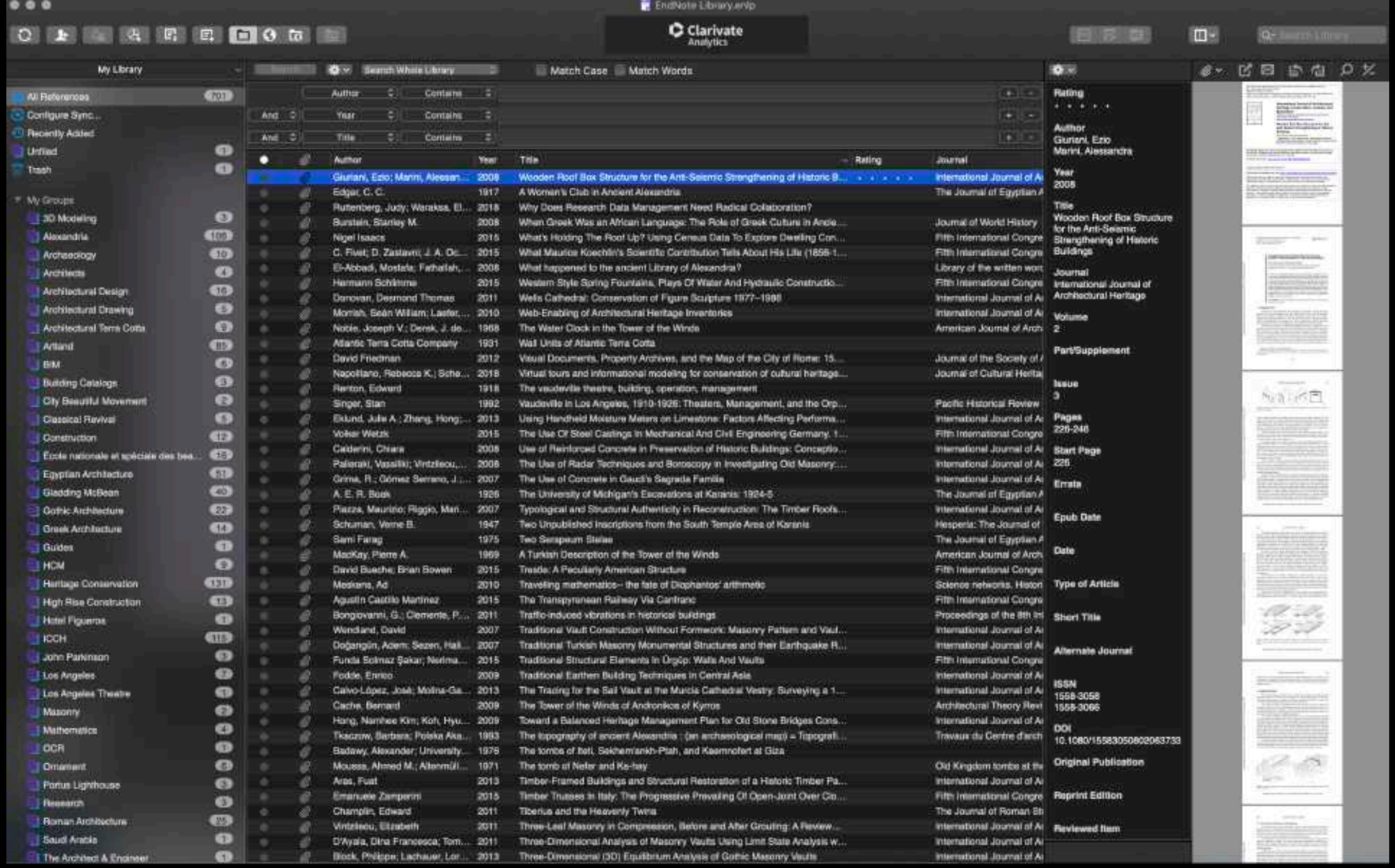

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Endnote

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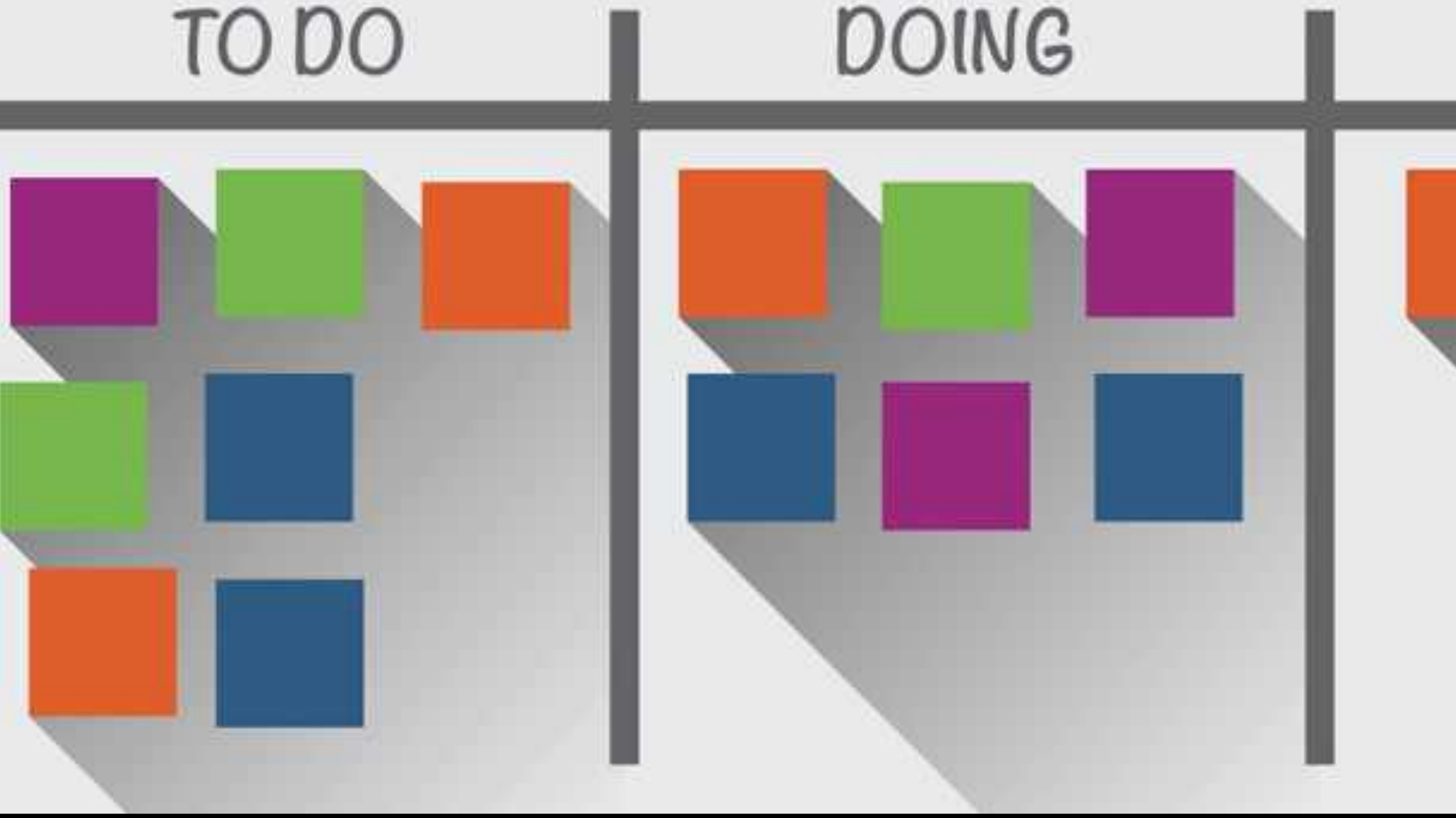

Task Management

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Image source: https://www.smartsheet.com

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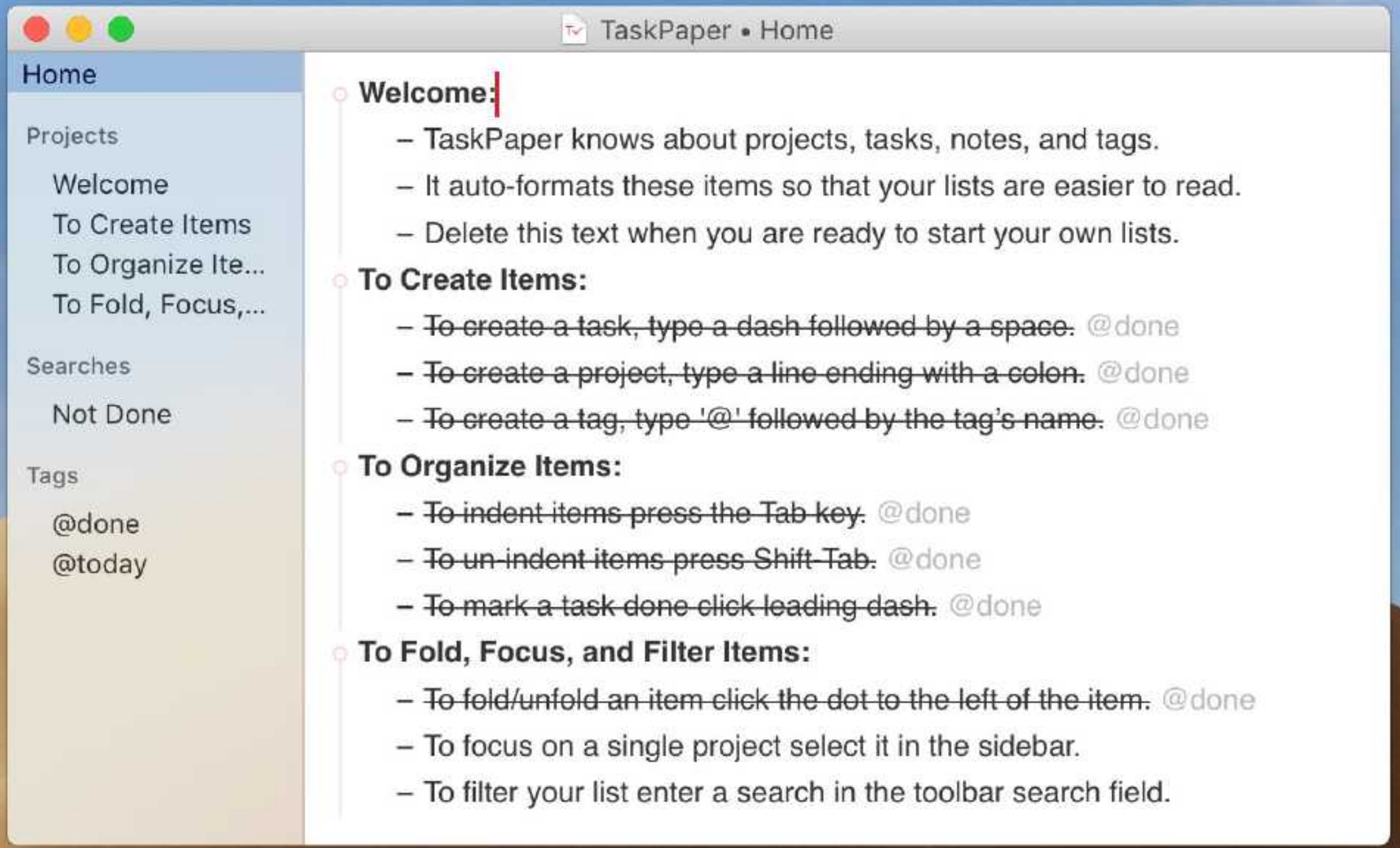

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TaskPaper

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https://www.taskpaper.com/

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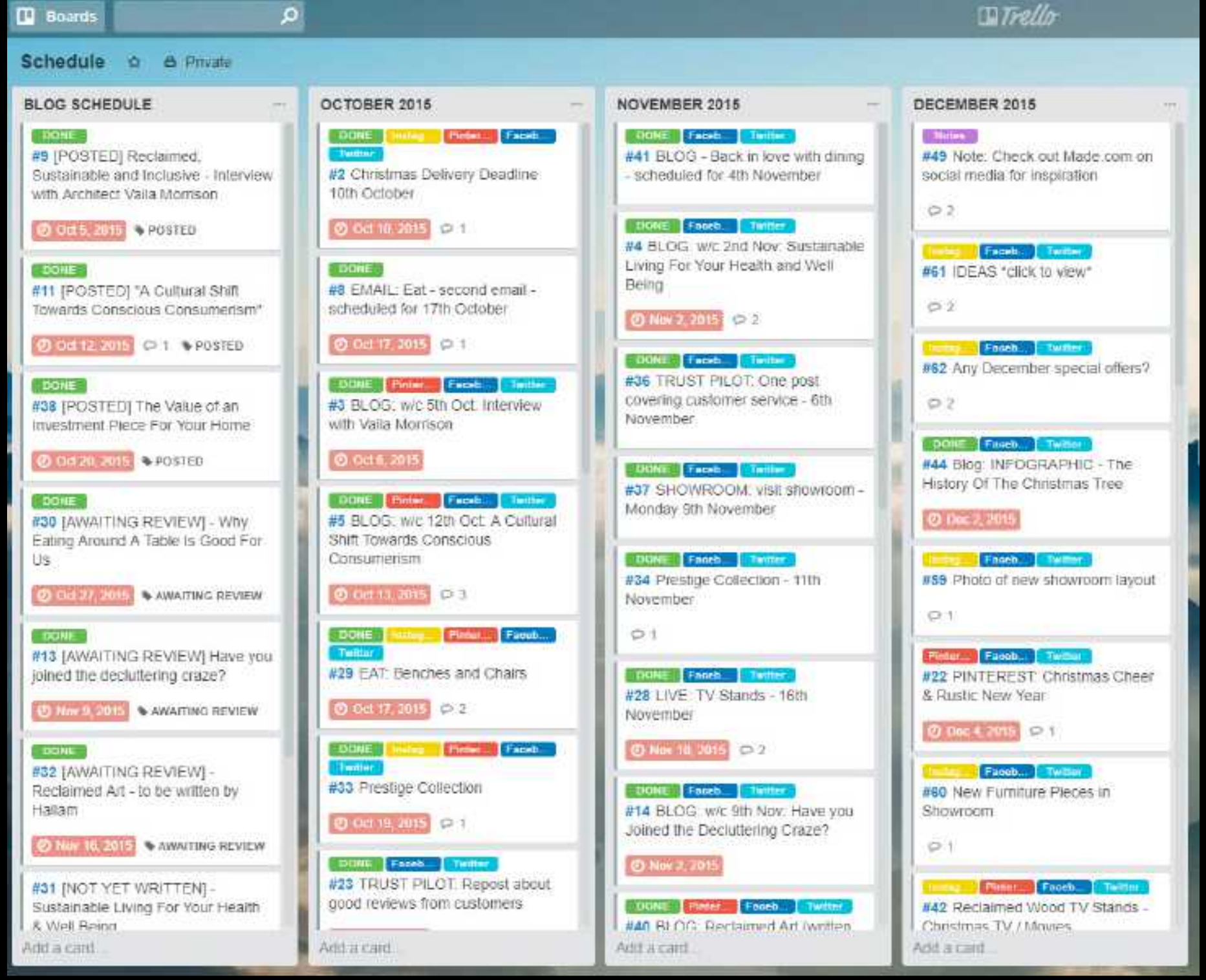

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Trello

https://trello.com/en-US

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Image Processing

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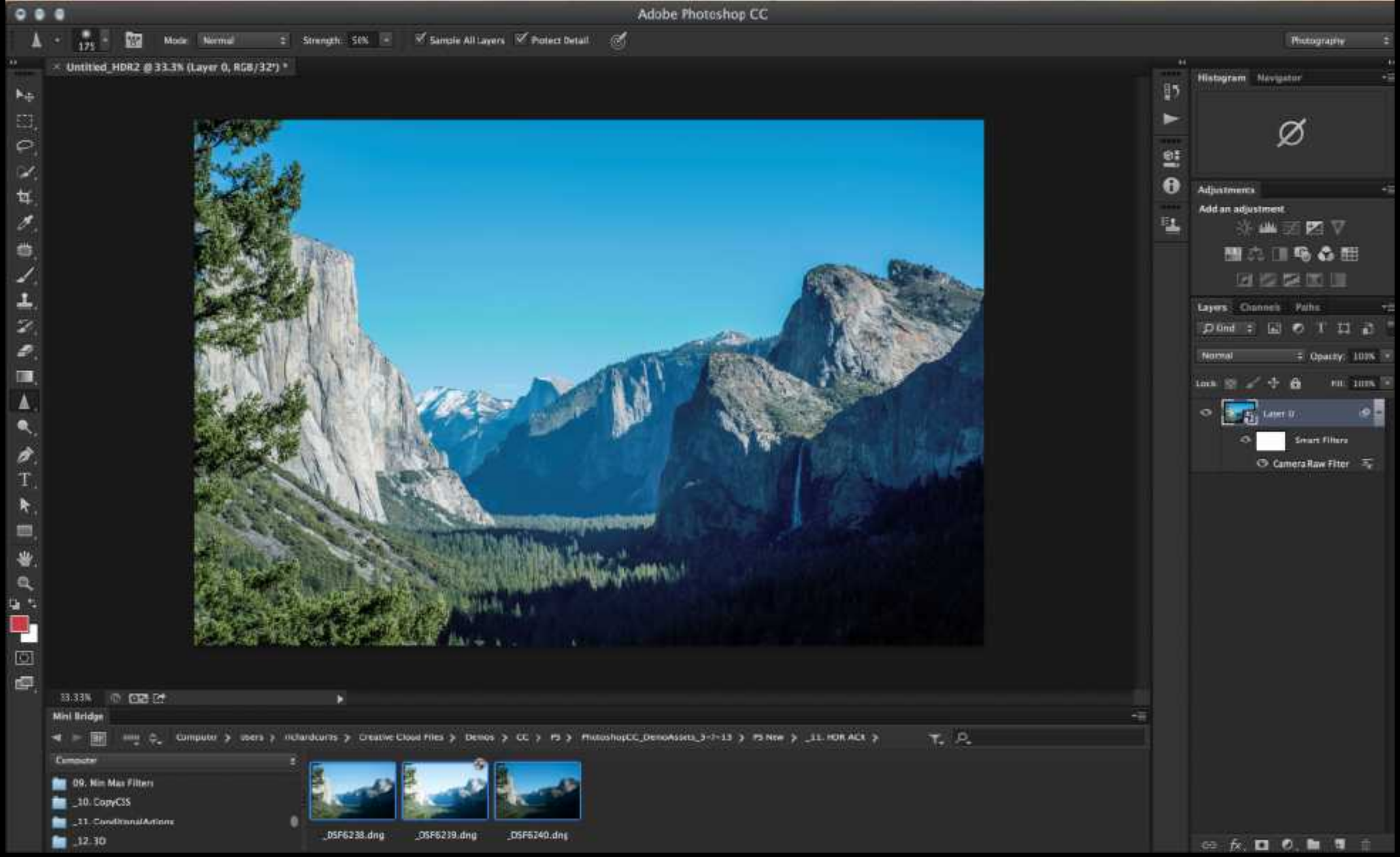

Mac and Windows

Photoshop

https://www.adobe.com/products/photoshop.html

Mac and Windows

GNU Image Manipulation Program (GIMP)

https://www.gimp.org/

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Mac and Windows

Affinity Photo

https://affinity.serif.com/en-us/photo/

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Graphicconverter

https://www.lemkesoft.de/en/products/graphicconverter/

Odds & Ends

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Mac

A Better Finder Rename

https://www.publicspace.net/ABetterFinderRename/index.html

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Windows

Bulk Rename Utility

https://www.bulkrenameutility.co.uk/

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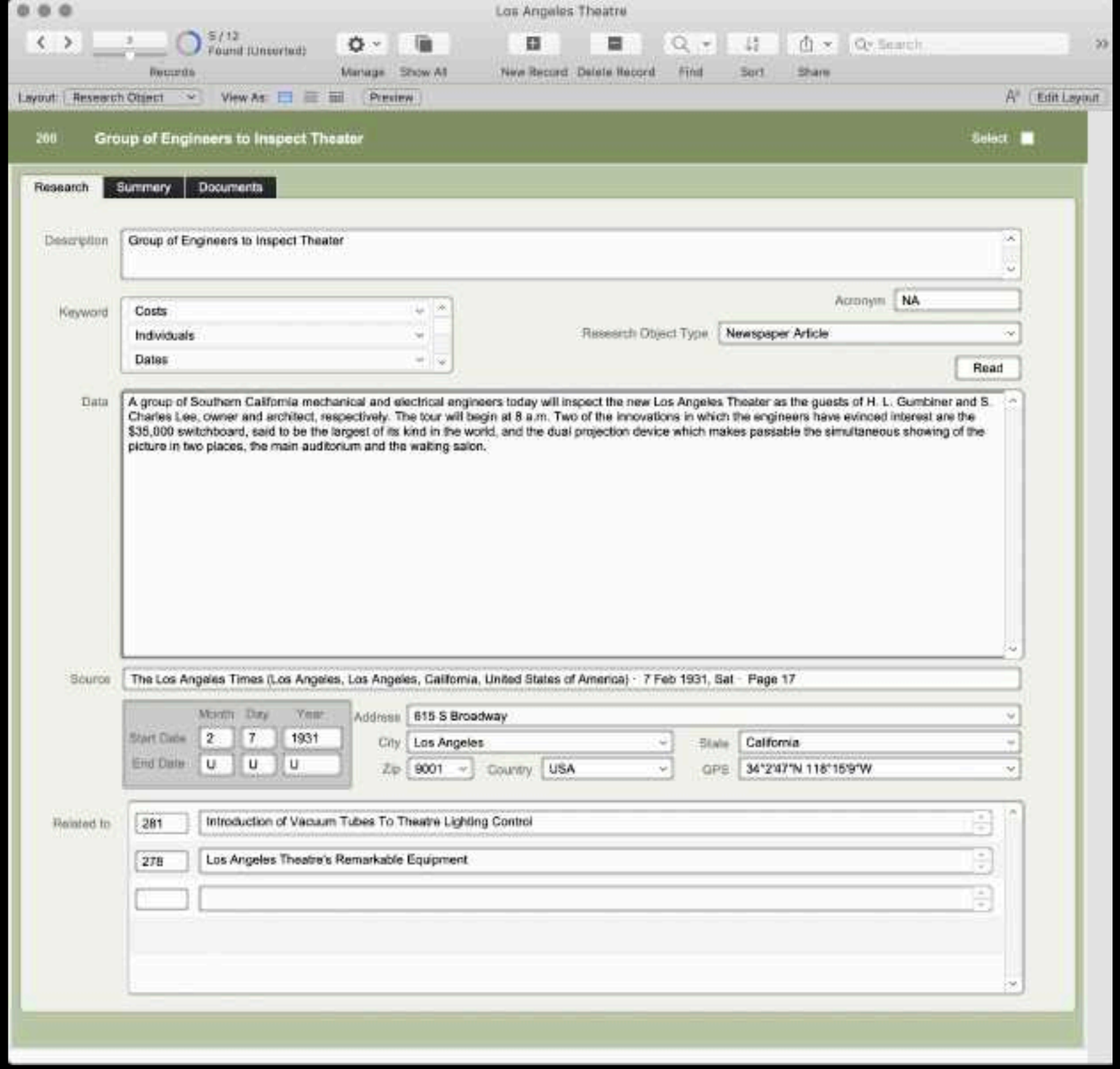
Mac and Windows

ABBYY FineReader

https://pdf.abbyy.com/



Mac and Windows

FileMaker

https://www.claris.com/filemaker/

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Mac

MindNode

https://setapp.com/apps/mindnode

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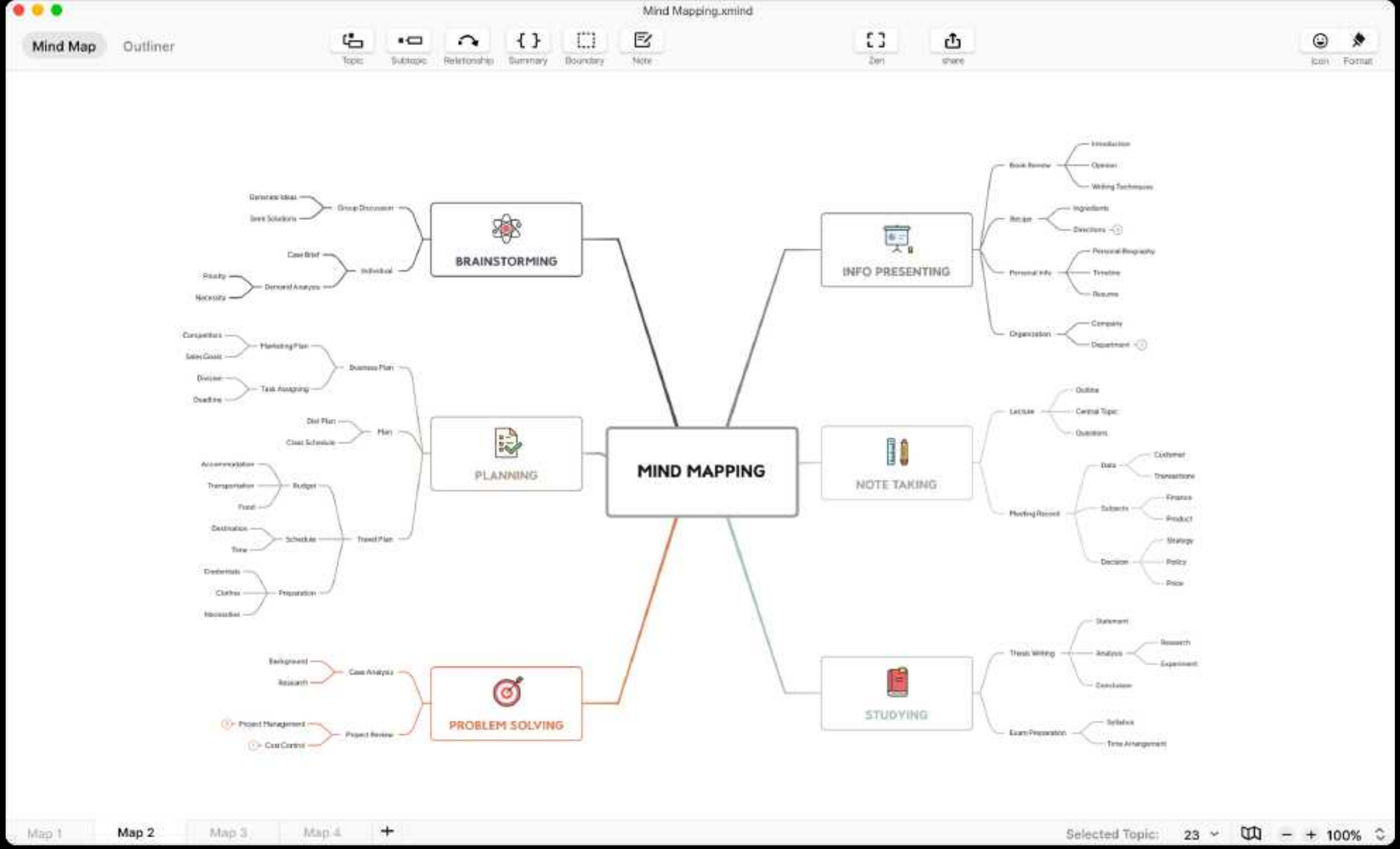

Mac, Windows, iPad, iPhone, Android and Web

XMind

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https://www.xmind.net/

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Curio

https://zengobi.com/curio/

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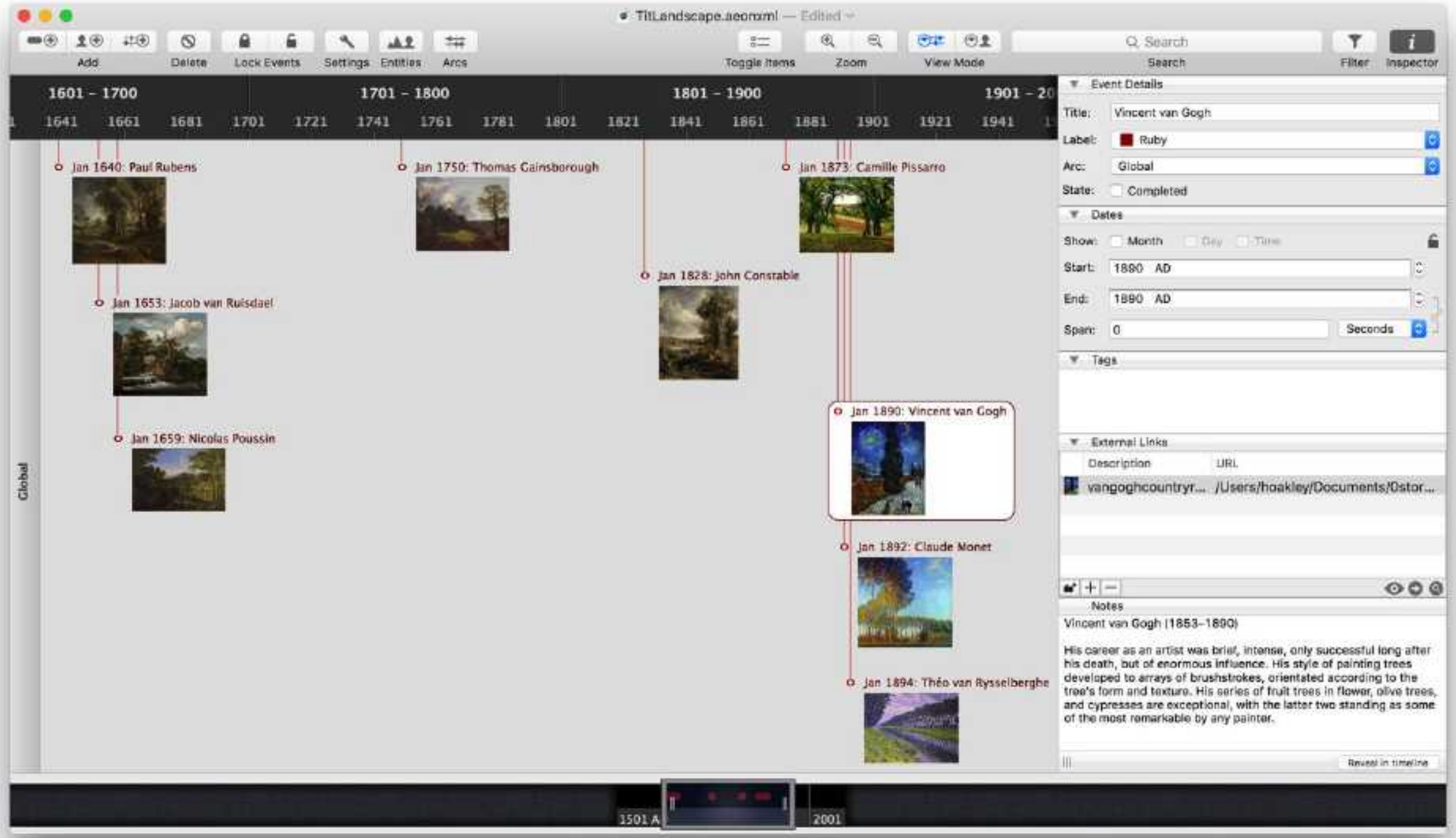

Mac, Windows, and iOS

Aeon-Timeline

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https://www.aeontimeline.com/

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2006_Rutter_calcium_microdomains_insulin.pdf (13 pages)

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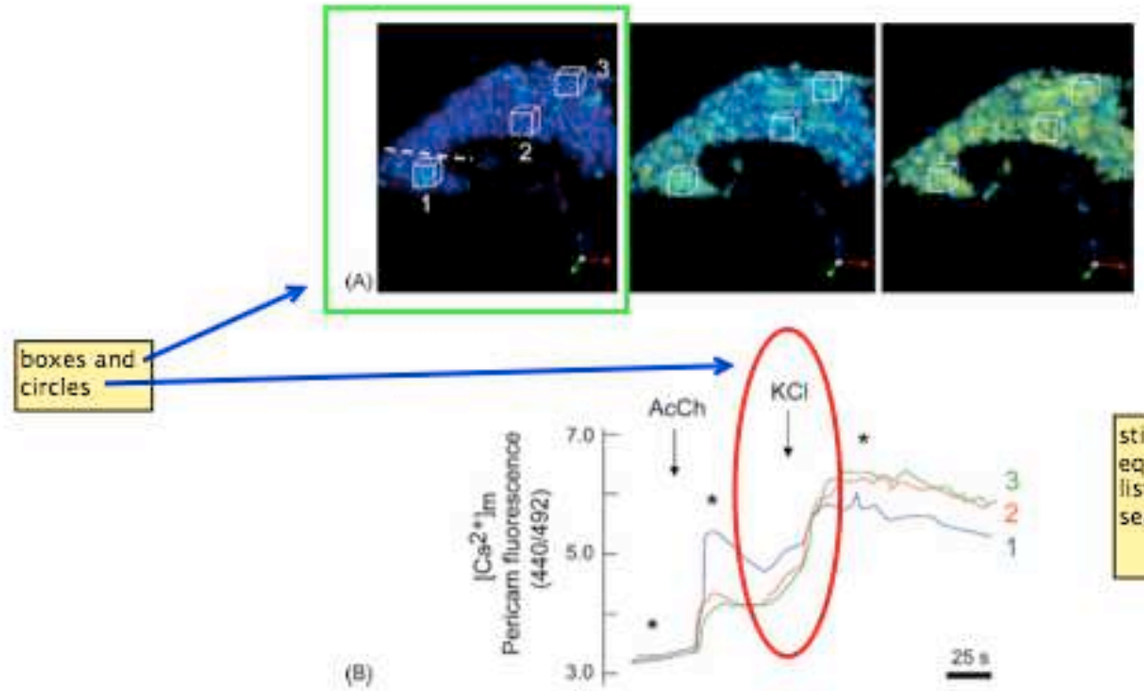

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sticky notes, like the paper equivalent (appear in the list on the right; text searchable)

Fig. 3. Rapid imaging of $[Ca^{2+}]_m$ in single MIN6 β-cells. Cells infected with adenovirus expressing recombinant targeted pericam were imaged in KRB medium (22 °C) with a 63× oil immersion objective using a spinning disc confocal microscope (Zeiss Axiovert with Yokogawa head controlled with Improvision Volocity™ software) with acquisition of a complete 3D data set (15 slices through the cell at 440 and 493 nm, 0.5 μm spacing) every 0.92 s using a Hamamatsu EM charge-coupled device camera. Acetylcholine (100 μM) and KCl (30 mM) were added as indicated at the arrows. After appropriate background correction, pseudocoloured ratio images were generated offline (A). The dashed line indicates the point of contact between two individual cells as identified morphologically under bright field illumination. (B) Apparent changes in $[Ca^{2+}]_m$ in the three voxels shown are plotted; voxels 2 and 3 in the same separate represent regions in the cell interior (perinuclear) and periphery, resp of acquisition of the images shown in (A) (Rutter and Ravier, unpublished).

highlights, like with the text marker

also in line with earlier studies on INS-1 cell populations expressing the much less pH sensitive probe aequorin, targeted to the ER lumen [26] and with studies in which the fluorescence of ER-trapped furuptra was assessed rapidly after the permeabilisation of β-cells pre-exposed to varying glucose concentrations [129]. Nevertheless, none of the above data are alone sufficient to eliminate the

mitochondrially-targeted pericam [126,127], respectively (Fig. 4). By activating intramitochondrial dehydrogenases [131] these increases in intramitochondrial $[Ca^{2+}]$ may thus underlie reported oscillations in both mitochondrial NAD(P)H [43,132] and cytosolic ATP [11] (Fig. 4). Interestingly, however, the slow oscillations in the two compartments occurred with a clear phase shift, with the increases

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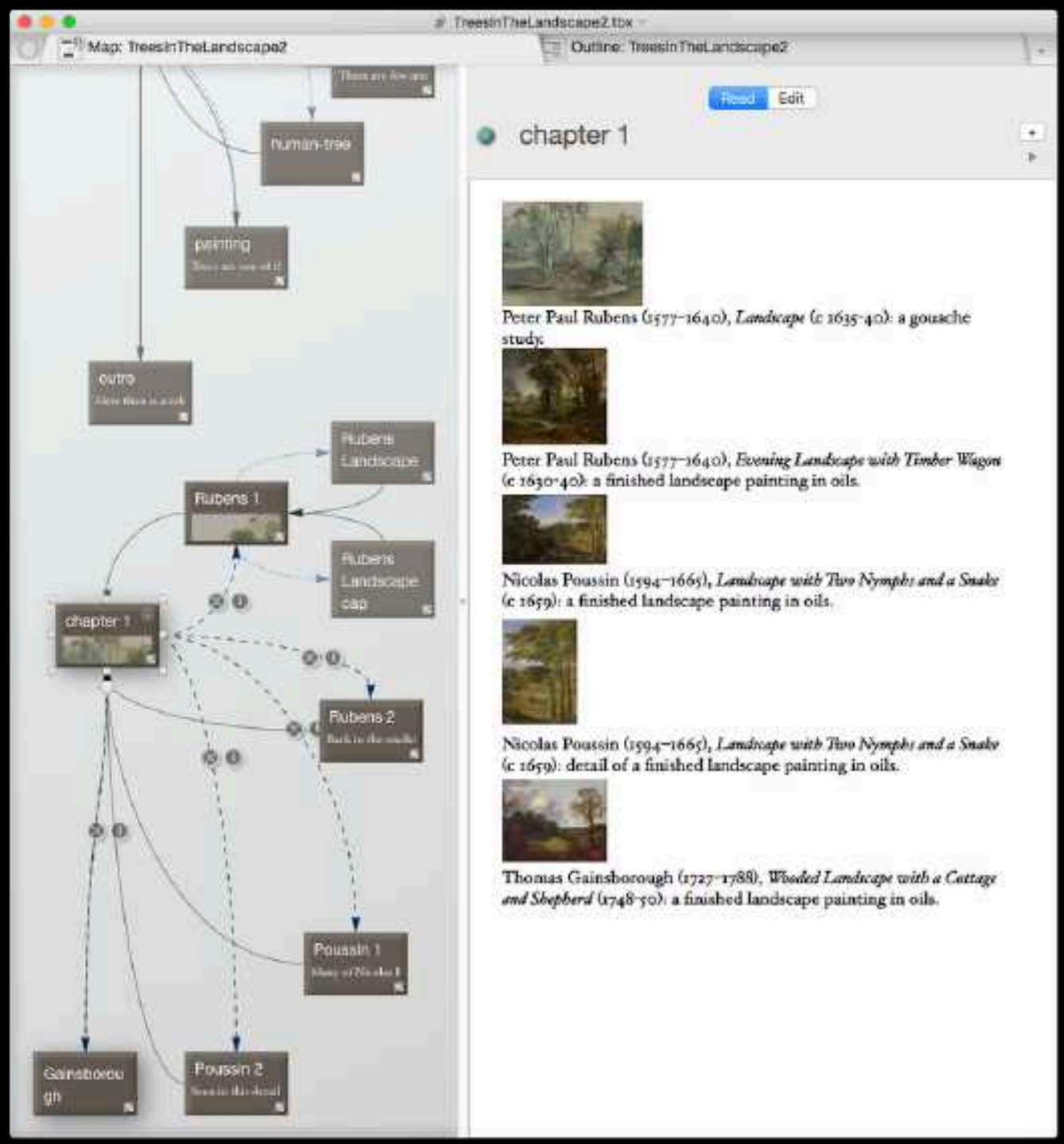

Mac

Tinderbox

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https://www.eastgate.com/Tinderbox/

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Questions?

Anthony Caldwell
UCLA Digital Research Consortium
Scholarly Innovation Labs
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