Mock-ups for Discussing the CMS Administrator Interface
Scan to Submit within an Hour
10-10-10-10-10 Guideline

(up to 10 minutes for each phase)
Keyword & Semantic Search

THE ELY ANCESTRY.

241213. Mary Eliza Warner, b. 1826, dau. of Samuel Selden Warner and Arabah Tully; m. 1850, Joel M. Glyed (who was connected with Chief Justice Watts's family).

243115. Abigail Huntington Lathrop, widow, N. J., b. 1809, dau. of Mary Ely and Gerard Lathrop; m. 1835, Donald McKee; (The widow is unable to give the names of her husband's parents.) Their children:
1. Mary Ely, b. 1836, d. 1839.
2. Gerard Lathrop, b. 1836.

243121. William Gerard Lathrop, Boonton, N. J., b. 1812, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1837, Charlotte Brearley Jennings, New York City, who was b. 1818, dau. of Nathan Tileston Jennings and Maria Miller. Their children:
1. Maria Jennings, b. 1838, d. 1840.
2. William Gerard, b. 1840.
3. Donald McKee, b. 1840, d. 1843.
4. Anna Margaret, b. 1843.
5. Anna Catherine, b. 1845.

243124. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop; m. 1855, Mary Augustus Andrus, 992 Broad St., Newark, N. J., who was b. 1825, dau. of Judge Caleb Halstead Andrus and Emma Sutherland Goble. Mrs. Lathrop died at her home, 592 Broad St., Newark, N. J., Friday morning, Nov. 4, 1858. The funeral services were held at her residence on Monday, Nov. 7, 1858, at half-past two o'clock P. M. Their children:
1. Charles Halstead, b. 1825, d. 1865.
2. William Gerard, b. 1824, d. 1861.
3. Theodore Andrus, b. 1826.
4. Emma Goble, b. 1827.

Miss Emma Goble Lathrop, official historian of the New York Chapter of the Daughters of the American Revolution, is one of the youngest members to hold office, but one whose intelligence and capability qualify her for such distinction. Miss Lathrop is not without experience; in her present home and native city, Newark, N. J., she has filled the positions of secretary and treasurer to the Girls' Friendly Society for nine years, secretary and president of the Woman's Auxiliary of Trinity Church Parish, treasurer of the St. Catherine's Guild of St. Brannons Hospital, and manager of several of Newark's charitable institutions which her grandparents were instrumental in founding. Miss Lathrop traces her lineage back through many generations of famous progenitors on both sides. Her maternal ancestors were among the early settlers of New Jersey, among them John Ogden, who received patent in 1664 for the purchase of Elizabethtown, and who in 1673 was
THE ELY ANCESTRY.

24121. Mary Eliza Warner, b. 1826, dau. of Samuel Selden Warner and Arabah Tully; m. 1850, Joel M. Gloe (who was connected with Chief Justice Waite’s family).
24331. Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1810, dau. of Mary Eli and Gerard Lathrop; m. 1835, Donald McKenzie, West Indies, who was b. 1812, d. 1839. (The widow is unable to give the names of her husband’s parents.)

Their children:
1. Mary Eli, b. 1836, d. 1849.
2. Gerard Lathrop, b. 1838.
24332. William Gerard Lathrop, Boonton, N. J., b. 1812, d. 1882, son of Mary Eli and Gerard Lathrop; m. 1837, Charlotte Brackett Jennings, New York City, who was b. 1818, dau. of Nathan Tilden Jennings and Maria Miller. Their children:
1. Maria Jennings, b. 1839, d. 1849.
2. William Gerard, b. 1840.
3. Donald McKenzie, b. 1840, d. 1843. 
   Twins.
4. Anna Margareta, b. 1843.
5. Anna Catherine, b. 1845.
24333. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Eli and Gerard Lathrop; m. 1856, Mary Augusta Andruss, 992 Broad St., Newark, N. J., who was b. 1825, dau. of Judge Caleb Halstead Andruss and Emma Sutherland Golbe. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1898. The funeral services were held at her residence on Monday, Nov. 7, 1898, at half-past two o’clock P. M. Their children:
1. Charles Halstead, b. 1837, d. 1861.
2. William Gerard, b. 1838, d. 1861.
3. Theodore Andruss, b. 1840.
4. Emma Golbe, b. 1842.
PCFIT = Person, Couple, Family, Individual, TreeReady

**Workflow Pipeline**

1. pages
2. tools
   - <toolName>
     - PCFI: extracted (osmx & json)
       - 2.1. tool-ontology-extracted
       - 2.2. ontology-extracted
       - 2.3. extracted-text-cleaned
   - json-from-osmx
     - 3.1. ontology-merged
     - 3.2. value-cleaned
     - 3.3. date-value-parsed
     - 3.4. bad-relationships-fixed
     - 3.5. authority-checked
   - json-working
     - PCFIT: json
   - json-final
     - PCFIT: json & osmx
3. json-from-osmx
   - 3.1. ontology-merged
   - 3.2. value-cleaned
   - 3.3. date-value-parsed
   - 3.4. constraint-checked
   - 3.5. authority-checked
   - PCFI: osmx & json
4. json-working
   - PCFIT: json
5. json-final
   - PCFIT: json & osmx
6. osmx-checked
   - 6.1. ontology-merged
   - 6.2. value-cleaned
   - 6.3. date-value-parsed
   - 6.4. constraint-checked
   - 6.5. authority-checked
   - PCFI: osmx & json
7. osmx-enhanced
   - 7.1. target-ontology-generated
   - 7.2. value-standardized
   - 7.3. information-inferred
   - T: json
     - 8.1. results-generated
     - 8.2. FS-imports-generated (CDS & FamilyTree)
       - T-txt
       - T-pdf
       - T-json
     - 8.3. tree-generated (LLS)
       - FamilyTree-gedcomx

Black Line: standard
Orange Line: tool testing
Green Line: tree-ready
GreenQQ Demo
**GreenQQ Demo**

---

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**Frequent Tag Sequence in Context:**

Thu _Nov_ 29 _08-59-55_ 2018

INFilename: IndividualInputSpecs.IndividualInfo.csv

**Frequent Tag Sequence in Context:**

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**Page Line Token Offset Frequency"EXAMPLE"**

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<th>Line</th>
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<td>7</td>
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<td>4</td>
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<td>17</td>
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</tbody>
</table>
GreenQQ Demo
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<tr>
<th>Rules</th>
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</thead>
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<tr>
<td>Name: SOL 243312, William Gerard Lathrop, William Gerard Lathrop, born 1837, Charlotte Brackett Jennings, Maria Jennings, Maria Jennings, Maria Jennings, b. 1812, d. 1882</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequent Tag Sequences</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>573 : Name, b, yyyy. 4. Name</td>
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<tr>
<td>573 : CAP, yyyy yyyy, 243311. CAP CAP CAP ( yyyy</td>
</tr>
<tr>
<td>575 : 1. CAP INIT, b. BirthDate. 2. CAP</td>
</tr>
<tr>
<td>575 : CAP - CAP CAP, b. BirthDate. 3. CAP</td>
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</table>

THE ELY ANCESTRY. 419
SEVENTH GENERATION.
241213. Mary Eliza Warner, b. 1826, dau. of Samuel Selden Warner and Abigail Tully; m. 1850, Joel M. Floyd (who was connected with Chief Justice Waite's family).

243331. Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1810, dau. of Mary Ely and Gerard Lathrop; m. 1835, Donald McKenzie. West Indies, who was b. 1812, d. 1839. (The widow is unable to give the names of her husband's parents.)

Their children:
1. Mary Ely, b. 1836, d. 1859.
2. Gerard Lathrop, b. 1838.
4. Anna Margaretta, b. 1843.
5. Anna Catherine, b. 1845.
6. Anna Catherine, b. 1845.
7. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop; m. 1856, Mary Augusta Andrus, 992 Broad St., Newark, N. J., who was b. 1825, dau. of Judge Caleb Halstead Andrus and Emma Sutherland Goble. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1898. The funeral services were held at her residence on Monday, Nov. 7, 1898, at half-past two o'clock P. M. Their children:
2. William Gerard, b. 1858, d. 1861.
3. Theodore Andrus, b. 1860.
4. Emma Goble, b. 1862. Miss Emma Goble Lathrop, official historian of the New York Chapter of the Daughters of the American Revolution, is one of the youngest members to hold office, but one whose intelligence and capability qualify her for such distinction. Miss Lathrop is not without experience; in her present home and native city, Newark, N. J., she has filled the positions of secretary and treasurer to the Girls' Friendly Society for nine years, secretary and president of the Woman's Auxiliary of Trinity Church Parish, treasurer of the St. Catherine's Guild of St. Barnabas Hospital, and manager of several of Newark's charitable institutions which her grandparents were instrumental in founding. Miss Lathrop traces her lineage back through many generations of famous progenitors on both sides. Her maternal ancestors were among the early settlers of New Jersey, among them John Ogden, who received patent in 1664 for the purchase of Elizabethown, and who in 1673 was...
Establish Designator Keys (these are book dependent designators associated with a class):

- Ely: (b, BirthDate), (d, DeathDate), (m, MarriageDate), (died, DeathPlace), (died, DeathDate), (born, BirthDate), (bapt, ChristeningDate), ...(?)

- Kilbarchan: (m, MarriagePlace), (m, MarriageDate), (p, MarriagePlace), (p, MarriageDate), (born, BirthDate), (bom, BirthDate)

- Miller: (d, DeathDate), (d, DeathPlace), (BD, BurialDate), (BD, BurialPlace), (b, BirthPlace), (b, BirthPlace), (f, PARENT1), (m, PARENT2), (sp, SPOUSE), (daughter, CHILD), (daughters, CHILD), (son, CHILD), (sons, CHILD)

We can preset these for a book, but users should be able to add to the list. These are also LITs; the user should also be able to set other LITs that are not necessarily designators, e.g. and, son of, dau. of, ... .

Default search phrases (two types):

1. In the presence of a designator LIT: search to the left for the first designator (if any); if its Class matches the name of the Form Field, generate the rule: “X ... E” where X is the designator LIT and E is the Extract, the filled in value.

2. No designator or a mismatch of Class: as before

EXTRA: a class that stops the look-ahead search for an Extract. (When a user sees that GreenQQ has gone beyond a list of sons, daughters, children, or spouses, the user can designate a LIT which when seen will stop the run-away list.)
Parent1: William Gerard Lathrop
Parent2: Charlotte Brackett Jennings
Child: Maria Jennings

SoL 2433312

SOL NUM5+ NameType(CAP)

m 1837 Charlotte Brackett Jennings

m ... NameType(CAP)

SOL 1 Maria Jennings, b

NameType(CAP)

Save Highlight Checked Delete Checked Execute Rules Find Rule Candidate Examples

Execute Rules

Red: literal
Blue: key
Purple: both
Black: neither

Green:
NameType(style)
DateType(style)
PlaceType(style)
Patron Indexer User Interface (Mockup)

Not Working – we may need a Parents Form
Or maybe we can do everything from the Individual form
but then how do we also let Children be Heads?
Also, brainstorm what to do about Kilbarchan-like twins

Rules (Grouping “head” attribute is: Child)
Parent1: dau of Samuel Selden Warner
Parent2: and Azubah Tully
Child: Sol 241213. Mary Eliza Warner
Parent1: William Gerard Lathrop
Parent2: m. 1837, Charlotte Brackett Jennings
Child: 1. Maria Jennings

Candidate Examples
109. 573. Tully; m. 1850, Joel M. Gloyd (93 573), SoL 243311. Abigail Huntington Lathrop (widow),

Page List for location of missing “head”s
573 575 ...
Rules: (Grouping “head” attribute is: Parent1)

- Parent2: m. 1837, Charlotte Brackett Jennings, m. NUM4, NameType(CAP).
- Child: SOL 1. Maria Jennings, b SOL NUM1or2. NameType(CAP), b

Red: literal
Blue: key
Purple: both
Black: neither

Green:
- NameType(style)
- DateType(style)
- PlaceType(style)
Parent1: dau. of Samuel Selden Warner
Parent2: and Azubah Tully
Child: SoL 241213. Mary Eliza Warner, 243312. William Gerard Lathrop, m. 1837, Charlotte Brackett Jennings, New York City, who was b. 1818, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1856, Mary Augusta Andrus, 992 Broad St., Newark, N. J., who was b. 1835, dau. of Judge Caleb Halstead Andrus and Emma Sutherland Goble. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1898. The funeral services were held at her residence on Monday, Nov. 7, 1898, at half-past two o'clock P. M. Their children:
1. Maria Jennings, b. 1835.
2. William Gerard, b. 1836.
3. Donald McKenzie, b. 1840, d. 1843. (Twins)
4. Anna Margaretta, b. 1843.
5. Anna Catherine, b. 1845.

243311. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop; m. 1856, Mary Augusta Andrus, 992 Broad St., Newark, N. J., who was b. 1835, dau. of Judge Caleb Halstead Andrus and Emma Sutherland Goble. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1898. The funeral services were held at her residence on Monday, Nov. 7, 1898, at half-past two o'clock P. M. Their children:
1. Charles Halstead, b. 1837, d. 1841.
2. William Gerard, b. 1836, d. 1841.
3. Theodore Andrus, b. 1840.
4. Emma Goble, b. 1841.

Miss Emma Goble Lathrop, official historian of the New York Chapter of the Daughters of the American Revolution, is one of the youngest members to hold office, but one whose intelligence and capability qualify her for such distinction. Miss Lathrop is not without experience; in her present home and native city, Newark, N. J., she has filled the positions of secretary and treasurer to the Girl's Friendly Society for nine years, secretary and president of the Woman's Auxiliary of Trinity Church Parish, treasurer of the St. Catherine's Guild of St. Barnabas Hospital, and manager of several of Newark's charitable institutions which her grandparents were instrumental in founding. Miss Lathrop traces her lineage back through many generations of famous progenitors on both sides. Her maternal ancestors were among the early settlers of New Jersey, among them John Ogden, who received patent in 1664 for the purchase of Elizabethstown, and who in 1673 was...
Extraction Scan-to-Submit User Interface (Mockup)
THE ELY ANCESTRY.

SEVENTH GENERATION.

James Harvey Patterson, who was b. 1817, son of Thomas Patterson and Jane Clark. Their children:

1. Thomas Ely, b. 1843.
2. Mary, b. 1845.
4. Harry, b. 1863.

243397. Rev. Ben Ezra Stiles Ely, Ottumwa, Ia., b. 1828, son of Rev. Ezra Stiles Ely and Mary Ann Carwell; m. 1848, Elizabeth Eudora McElroy, West Ely, Mo., who was b. 1829, d. 1877, dau. of Abra- ham McElroy and Mary Ford Radford; m. 2nd, 1873, Abbie Amelia Moore, Harrison, Ill., who was b. 1852, dau. of Porter Moore and Har- riet Leonard. Their children:

1. Elizabeth R., b. 1849.
2. Ben-Ezra Stiles, b. 1856.
3. George Evely Montgomery, b. 1858, d. 1877.
4. Laura Elizabeth, b. 1859.
5. Laura DeForest, b. 1861.
7. Mary Anita, b. 1865.


1. Caroline Holmes Ely.
(Mrs. Caroline Blackford, 1041 Broad St., Richmond, Va., or Rev. Robert Dixon, Rector Trinity Church, Parkersburg, Va., may be able to give the date of marriage).

243432. Zebulon DeForest Ely (331 No. 7th St., Philadelphia, Pa.), b. 1852, son of Ezra Stiles Ely and Caroline Thompson Holmes; m. 1874, Clara Vanola Major, who was b. 1856, d. 1876, dau. of William Major and Deborah A. Beatty; m. 2nd, 1898, Mamie Anna Souder, who was b. 1855, dau. of Joseph William Souder and Anna Maria Walker. Their children:

1. William Major, b. 1875, d. 1886.
2. Zebulon DeForest, b. 1875.
3. Edmund Holmes, b. 1880.
4. Edna Holmes, b. 1881.
Requirements for Realization

• Research
  • HWR (and OCR) for languages of interest
  • Auto-extraction (Machine Learning, Pattern Recognition, Natural Language Processing)
  • Bootstrapping/Improving auto-extraction from information gleaned only from Temple-Ready pipeline
    • ML: learning from minimal and potentially imperfect training data, active learning from corrections
    • PR: rule generation from form-filled submissions to tree, rule-set update from corrections to auto-filled forms
    • NLP: language learning from examples, both correct and incorrect
  • Proof-of-concept prototype development

• Implementation
  • Search repository
    • Enable hybrid keyword & semantic search
    • Handle corrections
    • Update repository based on rerun of auto-extraction
  • Form fill
    • Create interface
    • Auto-fill form
    • Support additions and corrections
  • Tree import
    • Duplicate detection
    • Information import
Workflow System Notes

• Path Codes
  • Q: Quick Test (3.2 > 6.PCF > PRF-report and also > 4.PCF)
  • T: Full Test (3.4 > 6.PCF > PRF-report and also > 4.PCF)
  • R: Book Run, from extraction to ingest ready (3.4 > 7.1)
  • U: User Alone, without extraction ensemble (1 > 4.PCF)
  • I: Index Batch, with or without extraction

• User Options (while in 4.PCF)
  • Ground Truth (only for those configuring and testing extraction tools)
  • Ingest Ready (only for those who are indexing)
  • Save Work

• Indexing
  • Control as before except without adjudicator and with the option to loop as desired
  • Loop: 4.PCF > 5.PCF > 6 > 6.PCF > 4.PCF
  • Finish when batch is ingest ready

• Error Processing (thoughts)
  • Fatal Errors: stop pipeline run and save current state, save log and include error message, alert administrator
  • Page Errors: if cumulative number exceeds a threshold, throw a fatal error
  • Summary Error Report: send to administrator (eventually, if no errors, auto-submit to search system and ...)
Database Schema

book (id, user-id)

user (id, username, email, password, name, type)

job (id, name, book-id, max-page)

batch (id, pages, status, job-id, user-id)

form (id, form-name, version)

eventlog (id, user-id, batch-id, session-id, log-info, time-written)

user_type (type, description)
Administrator/Developer Menu

Register Book (administrator only)
Import Book
Configure Extraction Tools
Initiate Pipeline Run
Manage Indexing Pipeline Run (administrator only)
Manager Indexing Jobs and Batches (administrator only)
Edit User Account (administrator only)
Import Book

Select Book: v

Book Information: <display of book meta information>

Browse Book

Upload
Configure Extraction Tools

Book: 
First Page (to process): 
Last Page (to process): 
Tool: 

Browse

Go
• Use FROntIER interface, as is, to create an extraction ontology
• Upload either the predefined single ontology or the three PCF ontologies
• Future?: upload a user-defined ontology along with a mapping Java jar file
• Use CMS testing interface to test the created extraction ontology
  • Run test (as can be done for all tools)
  • Set ground truth (as possible for all tools)
• Future?: embed Workbench

Predefined FROntIER ontology:

Directory of Person, Couple, and Family ontologies:

Upload clears all current ontologies and installs whatever is uploaded.

A test run uses either the predefined ontology or the PCF ontologies or both depending on what has been uploaded.

Test displays the “Test Extraction Tool Ensemble” page with the current book selected for Book, the most recent page, page list, or page range filled in for Test Page(s), FROntIER as the only tool checked, and Quick chosen as the Test Type.
- Select book
- Create training set
- Train ML tool to training set
- Apply trained ML tool to book

GreenDDA
GreenQQ

Book: <book being processed>
First Page: <specified first page to process>
Last Page: <specified last page to process>
Skip Top Lines: 
Skip Bottom Lines: 

<list of input specs>  
...  
<new Person>  
<new Couple>  
<new Family> 

Standard User Interface
Advanced User Interface
ClickEx User Interface
**Standard User Interface**

### Rules

Parent1: dau of Samuel Selden Warner and Azubah Tully; 
Parent2: and Azubah Tully; 
Child: 24123. Mary Eliza Warner, m. 1850, Joel M. Gloyd. 
Parent1: 243312. William Gerard Lathrop, 
Parent1: 243312. William Gerard Lathrop, 
Parent2: m. 1837, Charlotte Brackett Jennings; 
Child: 1. Maria Jennings, m. 1856, d. 1868. 
2. William Gerard, b. 1843. 
3. Donald McKenzie, b. 1846, d. 1883. 
4. Anna Margareta, b. 1847. 
5. Anna Catherine, b. 1845. 

### Candidate Examples

| 573 | Tully, m. 1850, Joel M. Gloyd (Tully). | 243311. Abigail Huntington Lathrop (widow), |

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**THE ELY ANCESTRY.**

**SEVENTH GENERATION.**

24123. Mary Eliza Warner, b. 1856, dau. of Samuel Selden Warner and Azubah Tully; m. 1850, Joel M. Gloyd (who was connected with Chief Justice Walker's family).

243311. Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1878, dau. of Mary Ely and Gerard Lathrop; m. 1853, Donald McKenzie, West Judds, who was b. 1812, d. 1859.

(The widow is unable to give the names of her husband's parents.)

Their children:

1. Mary Ely, b. 1856, d. 1869.
2. Gerard Lathrop, b. 1858.
3. William Gerard Lathrop, Boonton, N. J., b. 1812, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1837, Charlotte Brackett Jennings, New York City, who was b. 1818, dau. of Nathan Tilestone Jennings and Maria Miller. Their children:
   1. Maria Jennings, b. 1837, d. 1868.
   2. William Gerard, b. 1843.
   3. Donald McKenzie, b. 1846, d. 1883. 
   4. Anna Margareta, b. 1847. 
   5. Anna Catherine, b. 1845.

423314. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop; m. 1836, Mary Augusta Andreas, 992 Broad St., Newark, N. J., who was b. 1825, dau. of Judge Caleb Halsey Andreas and Emma Sutherland Gideon. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1856. The funeral services were held at her residence on Monday, Nov. 7, 1856, at half-past two o'clock P. M. Their children:

1. Charles Halsted, b. 1828, d. 1866.
2. William Gerard, b. 1828, d. 1861.
3. Theodore Andreas, b. 1826.
4. Emma Gideon, b. 1830.

Miss Emma Gideon Lathrop, official historian of the New York Chapter of the Daughters of the American Revolution, is one of the youngest members to hold office, her one whose intelligence and capacity qualify her for such distinction. Miss Lathrop is not without experience in her present home and native city, Newark, N. J., she has filled the positions of secretary and treasurer to the Girls' Friendly Society for nine years, secretary and president of the Woman's Auxiliary of Trinity Church Parish, treasurer of the St. Catherine's Guild of St. Barnabas Hospital, and manager of several of Newark's charitable institutions, which her grandparents were instrumental in founding. Miss Lathrop traces her lineage back through many generations of famous progenitors on both sides. Her maternal ancestors were among the early settlers of New Jersey, among them John Ogden, who received patent in 1664 for the purchase of Elizabethtown, and who in 1672 was...
## Advanced User Interface

**HEAD**
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**LIT**
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**KEY**
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</tr>
</thead>
<tbody>
<tr>
<td>243312</td>
<td>1</td>
</tr>
</tbody>
</table>
```

**ALIAS**
```
<table>
<thead>
<tr>
<th>born</th>
<th>b</th>
<th>d</th>
</tr>
</thead>
</table>
```

### Rules
**Name**: SOL 243312, William Gerard Lathrop, SOL NUM, CAP CAP CAP, Name: m, 1837, Charlotte Brackett Jennings, m, YEAR, CAP CAP CAP, Name: SOL 1, Maria Jennings, SOL 1, CAP CAP, BirthDate: b, 1813, d, 1882, DeathDate: d, 1882,

### Frequent Tag Sequences
- 573 103 CAP:yyy yyy, 243312, CAP CAP CAP: yyy
- 573 72 1, CAP INIT, b, BirthDate, 2, CAP
- 573 45: 1, Name, b, YEAR, d, DeathDate

### Missing Heads
- 573, 574, 575, ...

---

**THE ELY ANCESTRY. 419**

**SEVENTH GENERATION.**

243312, Mary Eliza Warner, b. 1834, dau. of Samuel Selden Warner and Abigail Tully; m. 1853, Joel H. Gloyd (who was connected with Chief Justice Waite’s family).

243312: Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1816, dau. of Mary Ely and Gerard Lathrop; m. 1835, Donald McKenzie, West Indies, who was b. 1812, d. 1839. (The widow is unable to give the names of her husband’s parents.)

Their children:
1. Mary Ely, b. 1835, d. 1859.
2. Gerard Lathrop, b. 1838.
3. William Gerard, b. 1839, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1857, Charlotte Brackett Jennings, New York City, who was b. 1819, dau. of Nathan Tilestone Jennings and Maria Miller. Their children:
   1. Maria Jennings, b. 1836, d. 1840.
   2. William Gerard, b. 1840.}
   3. Donald McKenzie, b. 1840, d. 1863.
4. Anna Margaretta, b. 1843.
5. Anna Catherine, b. 1845.
6. Charles Christopher Lathrop, N. Y. City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop; m. 1856, Mary Augusta Andruss, 992 Broad St., Newark, N. J., who was b. 1825, dau. of Judge Caleb Halstead Andruss and Emma Sutherland Goble. Mrs. Lathrop died at her home, 992 Broad St., Newark, N. J., Friday morning, Nov. 4, 1888. The funeral services were held at her residence on Monday, Nov. 7, 1888, at half-past two o’clock P. M. Her children:
   2. William Gerard, b. 1858, d. 1881.
   3. Theodore Andruss, b. 1860.
4. Emma Goble, b. 1862.

Miss Emma Goble Lathrop, official historian of the New York Chapter of the Daughters of the American Revolution, is one of the youngest members to hold office, but one whose intelligence and capability qualify her for such distinction. Miss Lathrop is a smart without experience; in her present home and native city, Newark, N. J., she has filled the positions of secretary and treasurer to the Girls’ Friendly Society for nine years, secretary and president of the Women’s Auxiliary of Trinity Church Parish, treasurer of the St. Catherine’s Guild of St. Barnabas Hospital, and manager of several of Newark’s charitable institutions which her grandparents were instrumental in founding. Miss Lathrop traces her lineage back through many generations of famous progenitors on both sides. Her maternal ancestors were among the early settlers of New Jersey, among them John Ogden, who received patent in 1664 for the purchase of Elizabethstown, and who in 1673 was
ClickEx User Interface

Test pages

Quick Test  Quick Test (all)  Full Test  Full Test (all)  Ensemble Test
• Regular GreenFIE interface embedded in CMS test mode
• Selectively save/retract generated rules
• Changes to COMET interface (or should we just use the TWK annotator?
  Note that we’ll also need a COMET interface for GreenDDA and GreenGN)
  • Add GreenFIE “Regex” button
  • Replace button controls with a mechanism to save/retract generated
    rules and to initiate a “Quick” test run.
  • Make page number a type in box

GreenFIE
Select book and run ListReader (future: also set text abstraction parameters)
- One record from all three forms on the lhs
- Highlights on the rhs as generated by ListReader
- Control buttons
  - Next (to tell ListReader to save the current labeling and ask for the next)
  - Stop (to stop the labeling cycle)
OntoES

Expression

/\([A-Z]\w\)\s([A-Z]\w\),\s\([a-z]\)\(\([d][i]\)\(d\(3\)\)\(?\)\s,\(sd\)\s\(sd\(4\)\)\)?\)/g

Text

243311. Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1816, dau. of Mary Ely and Gerard Lathrop; m. 1835, Donald McKenzie. West Indies, who was b. 1812, d. 1839. (The widow is unable to give the names of her husband's parents.) Their children:
1. Mary Ely, b. 1836, d. 1859.
2. Gerard Lathrop, b. 1838.

243312. William Gerard Lathrop, Boonton, N. J., b. 1812, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1837, Charlotte Brackett Jennings, New York City, who was b. 1818, dau. of Nathan Tilestone Jennings and Maria Miller. Their children:
1. Maria Jennings, b. 1838, d. 1846.
2. William Gerard, b. 1840.
3. Donald McKenzie, b. 1848, d. 1843.
4. Anna Margaretta, b. 1843.
5. Anna Catherine, b. 1845.

243314. Charles Halstead Lathrop, New York City, b. 1817, d. 1865, son of Mary Ely and Gerard Lathrop, b. 1856, Mary Augusta Andrus, 992 Broad St, New York City, 1825, dau. of Judge Caleb Halstead Andrus. Their children:
2. William Gerard, b. 1856, d. 1861.
3. Theodore Andrus, b. 1860.
4. Emma Goble, b. 1862.

Wife Emma Goble Lathrop, official historian of the New York Chapter of...
OntoSoar

Deryle to specify
Test Extraction Tool Ensemble

• Select Book
• Specify test page(s)
• Include tools in ensemble test
• Choose run type: Quick or Full
• Click Run
  • Progress bar
  • Abort button

Book: ___________ V
Test Page(s): ___________
Tools Included in Test Run:
[ ] FROntIER
[ ] GreenDDA
[ ] GreenFIE
[ ] GreenQQ
[ ] ListReader
[ ] OntoES
[ ] OntoSoar
Test Type:
  o Quick
  o Full

Book: initialized as the book chosen by the tool that initiated the Test. Other choices include books for which tools have been configured but are not yet either fully processed or are in progress of being processed.

Test Page(s): <page, e.g. 099> or <page list, 030, 031, 099> or <page range, e.g. 030-031>. Test Page(s) default is the most recent choice of test pages by the initiating tool for the book or, if none, the default is the range of pages specified for processing for the book.

Tools Included in Test Run: initialized by a check for the tool that initiated the test. Other tools can be added, in which case, the ensemble of tools checked is run.

Quick Test Type: extract, merge, split to forms, and display in COMET. (Allow for edit and creation of ground truth.)

Full Test Type: extract, merge, fix OCR & bad relationships, check constraints & authorities and add warnings, split to forms, display in COMET (allow edits and creation of ground truth), produce PRF reports, standardize, infer, generate GedcomX and import files.

We need a progress bar showing how much has been completed and also an abort button. (Perhaps in place of the Run button.)
Run pipeline with status T
• Results of a test run (for both Quick and Full)
  • COMET for each page/form
  • Editable to create/replace ground truth
• Additional results for Full test run
  • COMET with warning icons and messages
  • Ground-truth reports
  • FS-import products

Test Run Results
batch status = “T”
Manage Jobs and Batches
• Pops up on “Initiate Pipeline Run” in admin menu
• On “Run”
  • Confirm initiation
  • Remind user to click on “Manage Pipeline Run” – banner will be in place

Initiate Pipeline Run

Book  
Select from options

Page Range  

Tools  
- FROntIER
- GreenDDA
- GreenFIE
- ListReader
- OntoES
- OntoSoar

Run Type  
o with COMET
○ without COMET

Run
• Display progress for book
  • Show progress for each page
  • Report failures
• Allow admin to kill and restart tasks
• When running through COMET:
  • Display progress of each job
    • Percent complete
    • Status of each batch: Unassigned/InProgress/Done
  • Status of InProgress batches
    • User assigned
    • Page/form status
    • Eventlog for batch (upon request)
• Retract batch from user
• Assign batch to user
• Reassign batch to user
• User status
  • Batches completed
  • Batches assigned
  • Eventlog report for user (upon request)
• View results
  • with COMET – view filled records by page & form
  • with and without COMET – view Gedcom X reports
• Submit completed work to FS
Manage Pipeline Run
(post “Initiate Pipeline Run”)

- Display progress for book
  - Show progress for each page
  - Report failures
- Kill and restart tasks
- Check completed runs
  - Select page/form for COMET view
  - Select page/report for Gedcom X view
- Release results (depending on the state) for:
  - Patron batch selection
  - Ingest into FamilySearch
    - If “with COMET” directly to tree
    - Otherwise, to LLS

Extracting data

- FROntIER
- OntoES

Cleaning extracted text
Merging extracted data
Cleaning data values
Parsing dates
Fixing bad relationships
Consolidating data
Standardizing data
Inferring additional data
Generating conclusions

Nr. pages tried: 100 completed: 100

“with COMET”: replace the last four with
Generating PCF json
Post COMET, add the last four back

List only selected tools

Stop Run | Resume Run | Select from options | View Results
---|---|---|---

Release Results

Not active until run is done
• Display page & form
• Click on form for page
  • Display filled in records in COMET
  • Any edits are retained?
• Release for patron batch selection

View Results (with COMET)

TheElyAncestry

571  Person Couple Family
572  Person Couple Family
573  Person Couple Family
574  Person Couple Family
575  Person Couple Family
View Results
(without COMET)

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<gedcomx xmlns="http://gedcomx.org/v1/"
    <person id="osmx112">;
        <gender type="http://gedcomx.org/Male">
            <attribution>
                <changeMessage>inferred based on gender designator (such as &quot;daughter&quot; or &quot;Mrs.&quot;), or
probabilistically based on first given name or on first given name of spouse</changeMessage>
            </attribution>
            </gender>
        <name>
            <nameForm>
                <fullText>Gerard Lathrop</fullText>
                <field>
                    <value type="http://gedcomx.org/Original">
                        <source description="#TheElyAncestry.573"/>
                        <Qualifier name="http://gedcomx.org/rectangularRegion">0.50160,0.29793,0.51424,0.37077</Qualifier>
                        <Qualifier name="http://gedcomx.org/rectangularRegion">0.50165,0.38086,0.51451,0.46729</Qualifier>
                    </value>
                </field>
            </nameForm>
            <fullText>Gerard Lathrop</fullText>
        </name>
    </person>
</gedcomx>
View Results
(without COMET)

The Ely Ancestry
Page  571
Page  572
Page  573

Mary Eliza Warner
Samuel Selden Warner

419

SEVENTH GENERATION.

2412:3. Mary Eliza Warner, b. 1826, dau. of Samuel Selden Warner and Azubah Tully; m. 1850, Joel M. Gloyd (who was connected with Chief Justice Waite's family).

243311. Abigail Huntington Lathrop (widow), Boonton, N. J., b. 1810, dau. of Mary Ely and Gerard Lathrop; m. 1835, Donald McKenzie, West Indies, who was b. 1812, d. 1839.

(The widow is unable to give the names of her husband’s parents.)

Their children:

1. Mary Ely, b. 1836, d. 1859.
2. Gerard Lathrop, b. 1838.

243312. William Gerard Lathrop, Boonton, N. J., b. 1812, d. 1882, son of Mary Ely and Gerard Lathrop; m. 1837. Charlotte Brackett

Release Results

Full page here?
View Results (without COMET)

***********************
Person osmx226: Mary Eliza Warner
***********************

Name:
Conclusion Name: Mary Eliza Warner
Original Document Text: Mary Eliza Warner
Interpreted Document Text: Mary Eliza Warner

Gender: Unknown

BirthDate:
Conclusion: 1826
Original Document Text: 1826
Interpreted Document Text: 1826

BirthPlace:
Marriage Relationships:
ParentOf Relationships:
ChildOf Relationships:

---

Mary Eliza Warner
Samuel Selden Warner

---

The Ely Ancestry

Page Person

+ 571
+ 572
- 573

---

Release Results
Edit User Account

Select user:

id
username
email
name

• Find user
• Set any/all:
  • Password
  • Username
  • Email
  • Full name
• Change privileges
• Disable account

search
Edit User Account

User:
- id
- username
- email
- name

Change privileges:
- Patron
- Adjudicator-patron
- Administrator
- Super-administrator

Change password

Change username

Change email

Change full name

Set any/all:
- Password
- Username
- Email
- Full name

Find user

Disable account

done