

# Place Database

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# Introduction

- Current methods to record places
- Problems with current implementation
- Criteria for solution
- Proposed solution
- Implementation
- Summary
- Ideas

# Current Standards

## HUSBAND

Robert Eugene /Williams/

Born: 02 OCT 1822                      Sex: M

Weston, Madison, Connecticut

Died: 14 APR 1905

Stamford, Fairfield, CT

Burial:

Stamford Hill Cem., Stamford, CT

## WIFE

Mary Ann /Wilson/

Born: BEF 1828                              Sex: F

Connecticut

# Data Merging

H Pierce Dant /Hamblen/	1756	Mary
W Abigail /Vincent/	1760	Virg
1. Sarah “Sally” /Hamblin/	1785	Virg
2. Sarah /Hamblen/	1785	Mary
3. George W /Hamblin/	1787	Virg
4. John /Hamblin/	1791	Virg
5. Thomas /Hamlin/	1793	NCar
....		

# Merging Example

1. Sarah “Sally” /Hamblin/

Born: 1785      Sex: F

,Pittsylvania Co., Virginia

Mar:

Died:

Father: Pierce Dant /Hamblen/

Mother: Abigail /Vincent/

Spouse:

2. Sarah /Hamblen/

Born: Abt 1785    Sex: F

<Worcester Co., MD>

Mar:

Died:

Father: Pierce Dant /Hamblen/

Mother: Abigail /Vincent/

Spouse:

# Problems

- No Place Types
- No validity checking (existence and w/ date)
- Is place #1 subset of place #2 (vice-versa)?
- Merging: based on place name or proximity?

# Criteria for Proposed Solution

- Verify validity of place
- Integrity of place with event date
- Flexible to handle international places
- Functionality to identify place from source documents
- Allow locality to assist in data merging
- Provide user with preference options including language

# Proposed Solution

Place\_Identify

Returns place\_id from source information

Place\_Lookup

Returns place information given a place\_id

Add\_Place\_Request

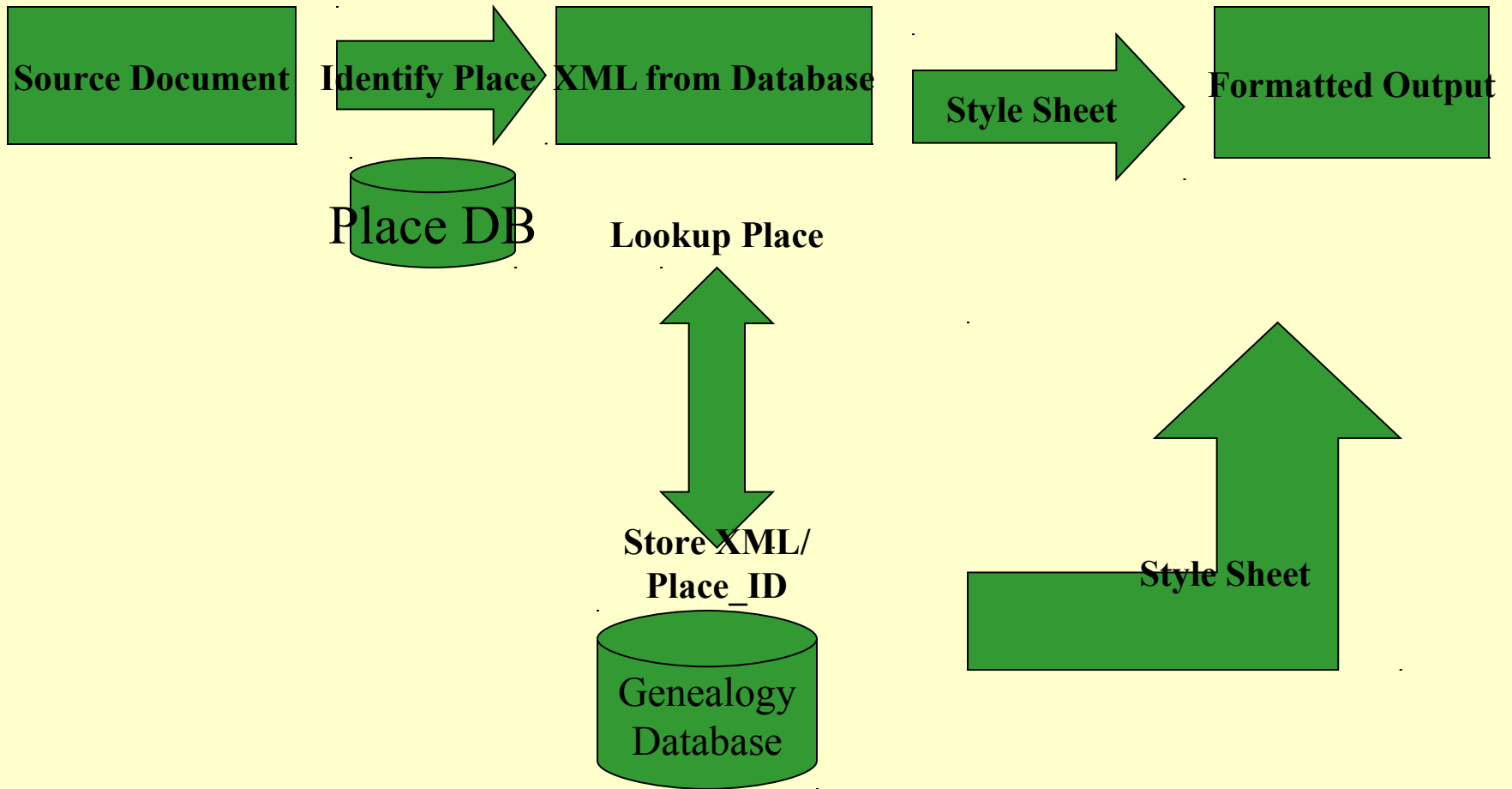
Request to add new place to database

Approve\_Place

Interface for data stewards to approve add requests



# Data Flow



# Identify Place

Place\_string = 'Weston, Connecticut'

Event\_date = '02 OCT 1822'

Language = 'English'

Context = null

Add\_place = 'Y'

```
<place id='65374', date='03/20/2001', language='English', abbr='Y'>
  <place_part>
    <place_name>Weston</place_name>
    <place_type>City</place_type>
  </place_part>
  <extrapolated>
    <place_part>
      <place_name>Madison</place_name>
      <place_type>County</place_type>
    </place_part>
  </extrapolated>
  <place_part>
    <place_name>CT</place_name>
    <place_type>State</place_type>
  </place_part>
  <place_part>
    <place_name>USA</place_name>
    <place_type>Country</place_type>
  </place_part>
</place>
```

# Sample Output from Style sheet

## Database

Robert Eugene /Williams/  
Born: 02 OCT 1822      Sex: M  
Place: 65374  
Died: 14 APR 1905  
Place: 73945  
Burial:  
Place: 73960

## Output

Robert Eugene /Williams/  
Born: 02 OCT 1822      Sex: M  
Weston, *Madison*, CT, USA  
Died: 14 APR 1905  
Stamford, Fairfield, CT, USA  
Burial:  
Stamford Hill Cemetery  
Stamford, Fairfield, CT, USA

# Summary

- Automated Place Identification
- Accuracy and Integrity for places
- Data Merging accuracy improved
- User preference settings including language

# Ideas

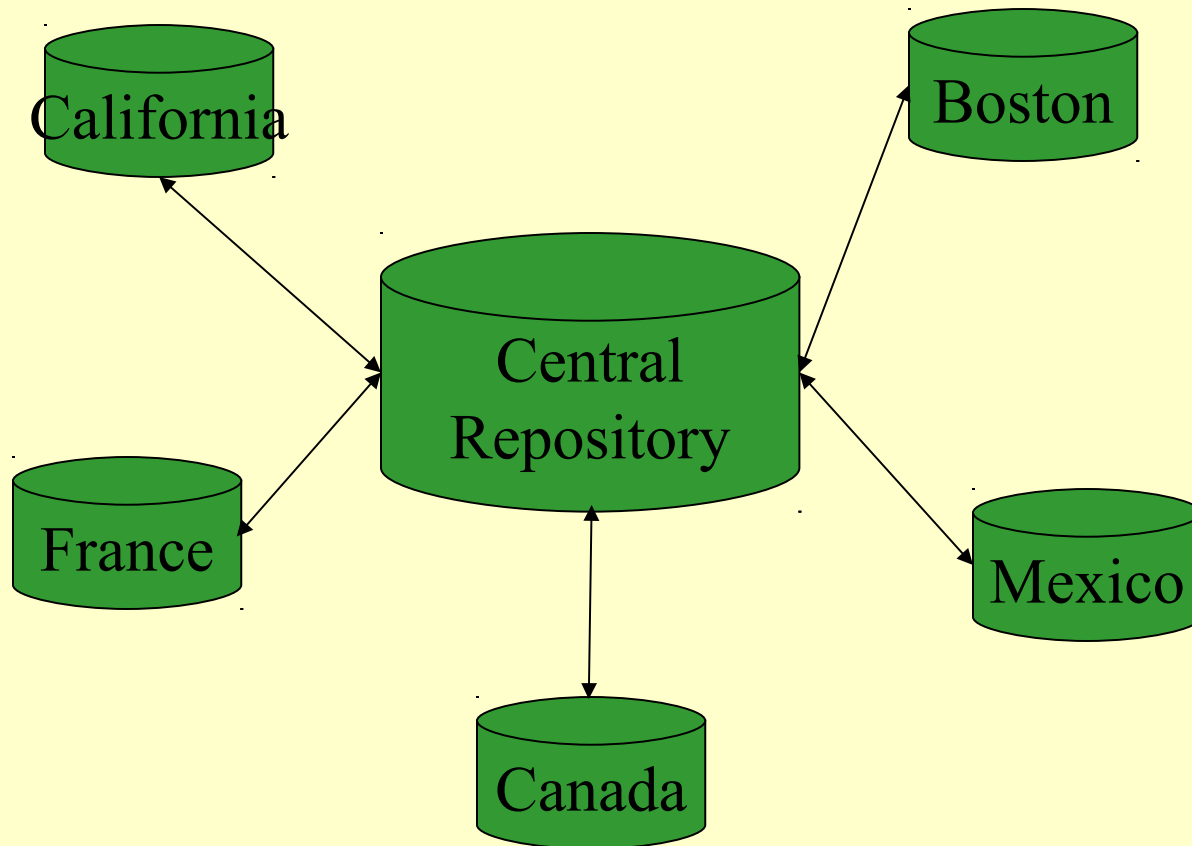
Suggestions

Questions

Implementation

Collaboration

# Database Hierarchy



# Sample Schema

