## A Digital Library Architecture For UVA

**DLF Spring Forum** 

**April 19,2004** 

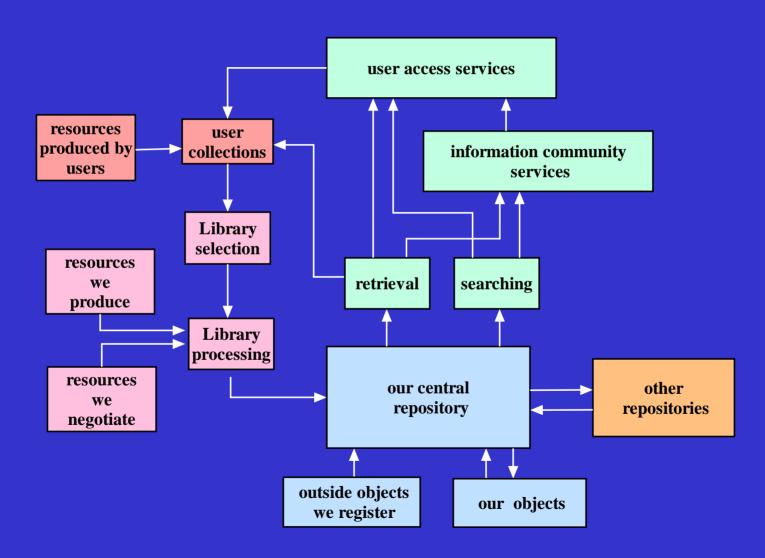
#### **Digital Library Assumptions:**

- All media, all content types integrated into one collection
- A network that is built to be a part of a global network
- The global network will be built by corporations, governments and libraries
- Searching and browsing are equally important

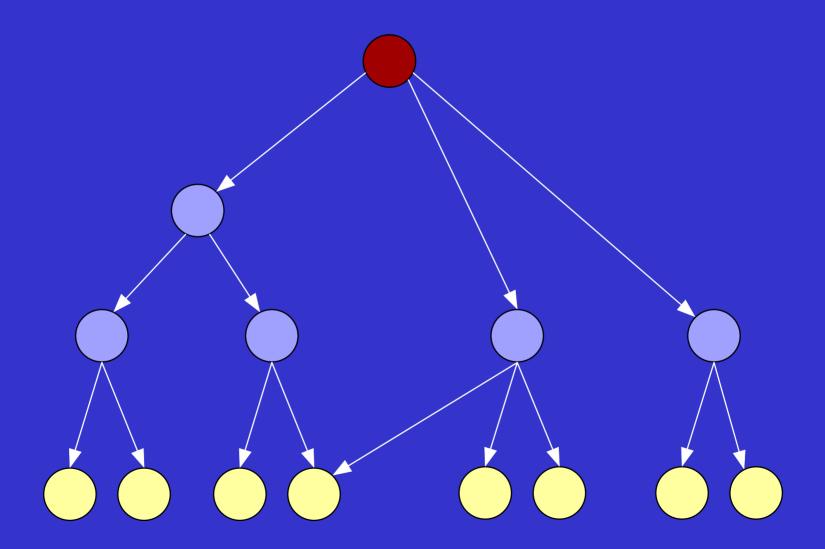
#### Digital Library Assumptions (cont.):

- We will provide to tools to make sophisticated use of our collections
- Any given resource can be presented in any number of contexts
- Increasingly, we will be faced with born-digital materials
- This is going to take a very long time ...

## The Big Picture



# The digital library as a network



#### A data object is one unit of content.

policies

**Persistent ID (PID) Default Disseminator Your Extension Your Extension Datastream (item) Datastream (item) Datastream (item) System Metadata** 

Digital object identifier methods for disseminating "views" of content set of content or metadata items metadata about history and

#### **Explicit Relationships**

Persistent ID (PID)

**Disseminators** 

System Metadata

TextTextTextText
TextTextText
<image tag>
TextTextText
<image tag>
TextTextTextText
TextTextText
TextTextText
<image tag>
TextTextText
<image tag>
TextTextTextText

Persistent ID (PID)

Web-default

Web-image

Admin

System Metadata

Page 1 Image

Persistent ID (PID)

Web-default

Web-image

Admin

System Metadata

Page 2 Image

Persistent ID (PID)

Web-default

Web-image

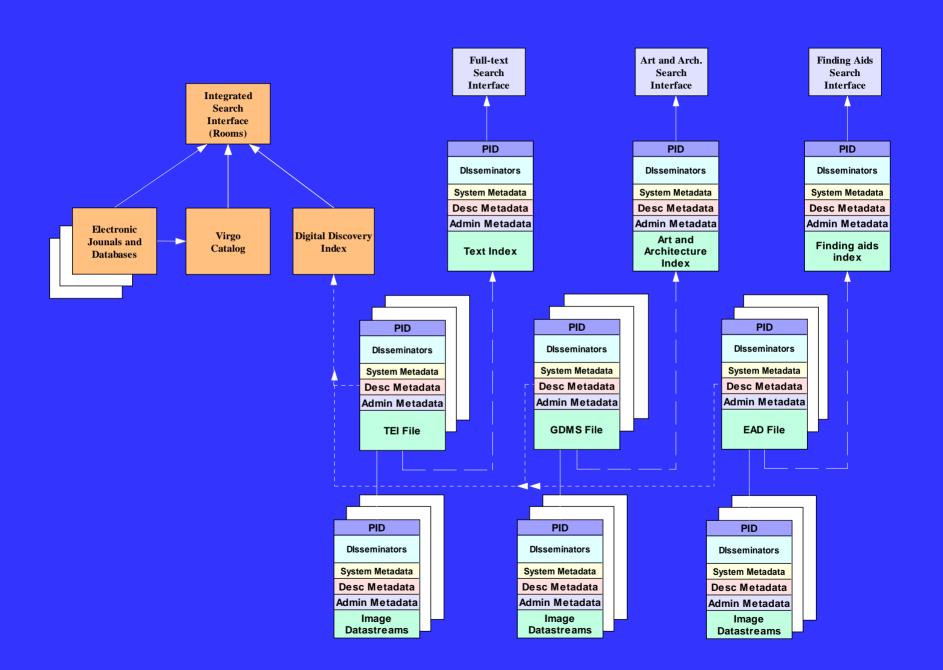
Admin

System Metadata

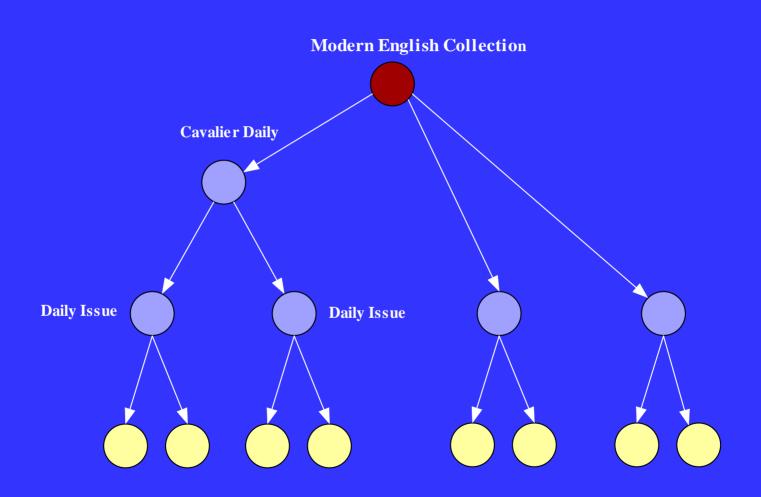
Page 3 Image

## Implicit Relationships

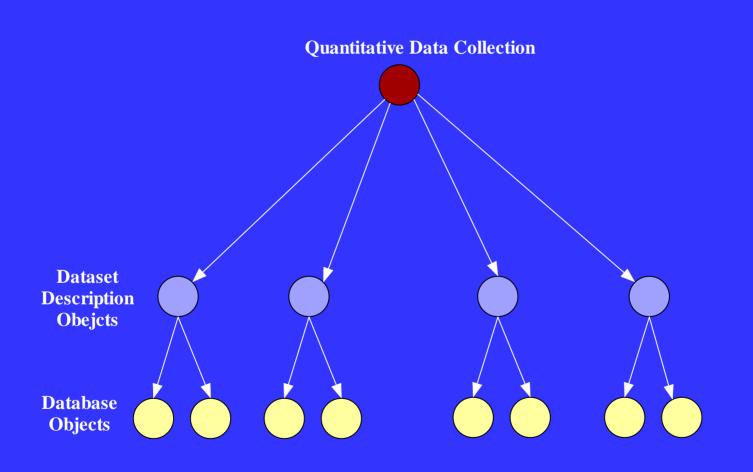
- Defined by rules, i.e XPATH statements
- The PID of the parent is in the child's metadata
- Child objects are assembled at dissemination time
- Child objects can respond to more than one parent



### **Explicit Data Modeling**



### **Quantitative Data Collections**



### **Collecting Scholarly Projects**

