

# Greenstone

Presentation #2

2005-11-03

LIS 462

# Recap

# Recap

## Ingest

# Recap

Ingest

Build

# Recap

Ingest

Build

Render

# Structure

# Structure



# Structure



Images from <http://flickr.com/>



# Questions

# Questions

1) How are objects in the scrapbook related?

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- 1) How are objects in the scrapbook related?
- 2) How do we model those relationships?

# Questions

- 1) How are objects in the scrapbook related?
- 2) How do we model those relationships?
- 3) How do we display those relationships?

# Vocabulary

# Vocabulary

## Nouns

# Vocabulary

Nouns

Verbs

# Vocabulary

Nouns

Verbs

Sentences



# Vocabulary

Nouns

Verbs

Sentences

*a.k.a.* Predicates

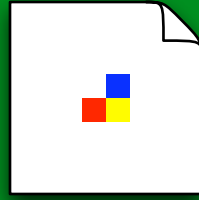
# Nouns

# Nouns

## Page

# Nouns

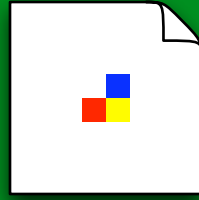
Page



a page in  
the scrapbook

# Nouns

Page

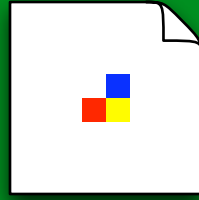


a page in  
the scrapbook

Item

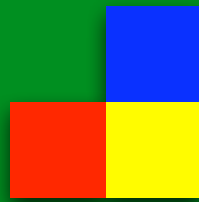
# Nouns

Page



a page in  
the scrapbook

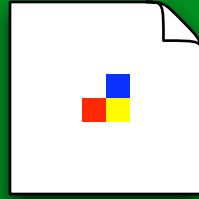
Item



an item on  
a page

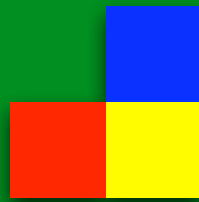
# Nouns

Page



a page in  
the scrapbook

Item

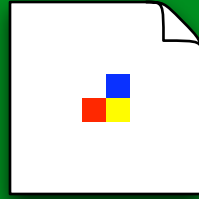


an item on  
a page

Part

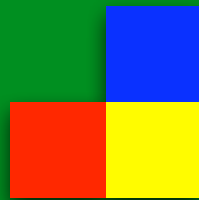
# Nouns

Page



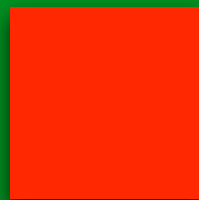
a page in  
the scrapbook

Item



an item on  
a page

Part

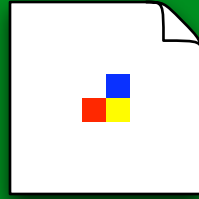


a part of an  
item



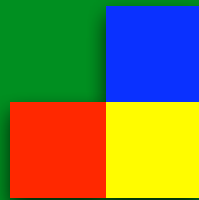
# Nouns

Page



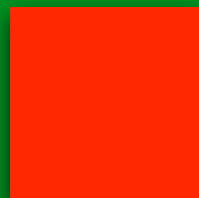
a page in  
the scrapbook

Item



an item on  
a page

Part

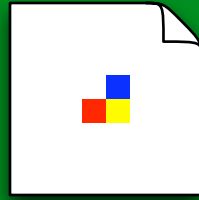


a part of an  
item

Object

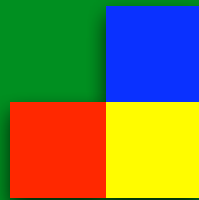
# Nouns

Page



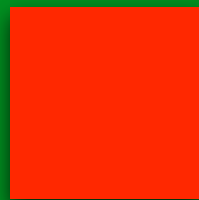
a page in  
the scrapbook

Item



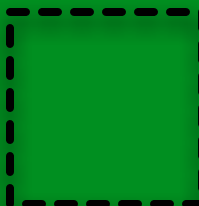
an item on  
a page

Part



a part of an  
item

Object



a page *or* item  
*or* part

# Verbs

# Sentences

# Sentences

Noun

# Sentences

Noun      Verb

# Sentences

Noun

Verb

Noun

# Sentences

Noun

*this*



# Sentences

Noun

Verb

*this*

*is part of*



# Sentences

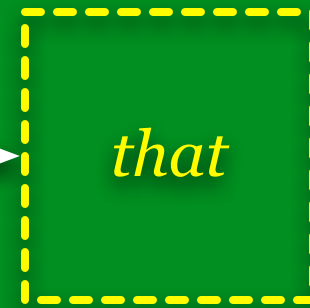
Noun

Verb

Noun



*is part of*

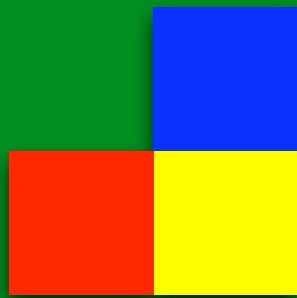


# Sentences

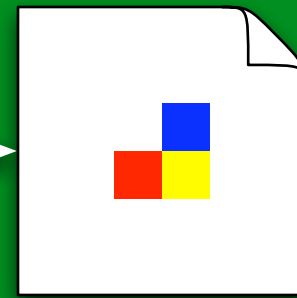
Noun

Verb

Noun



*is part of*

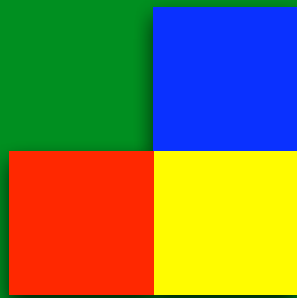


# Sentences

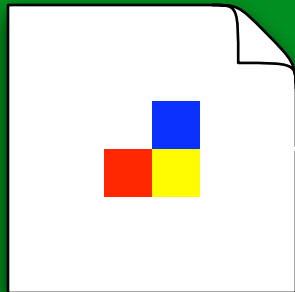
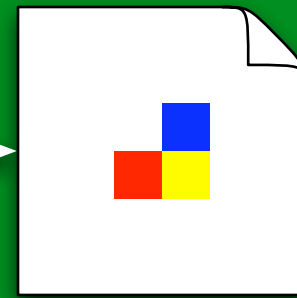
Noun

Verb

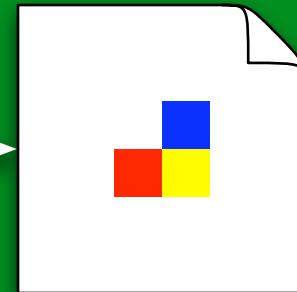
Noun



*is part of*



*is followed by*

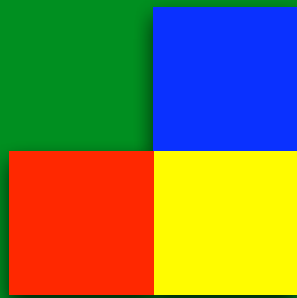


# Sentences

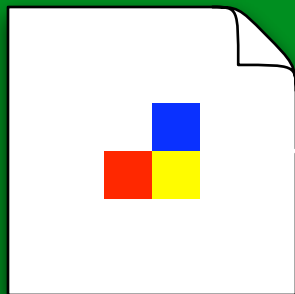
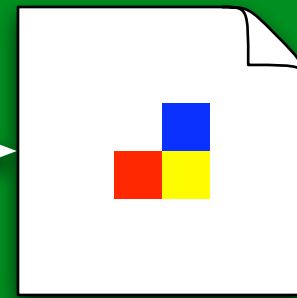
Noun

Verb

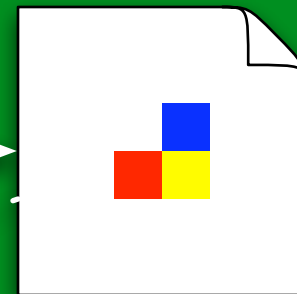
Noun



*is part of*

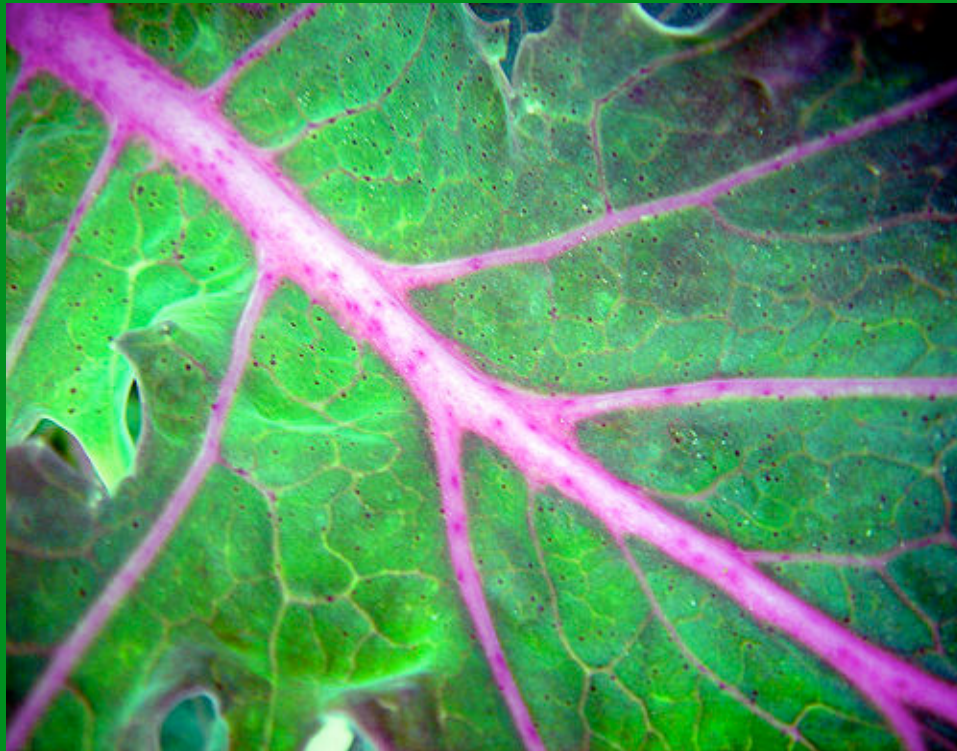


*is followed by*



*is preceded by*

# Structure

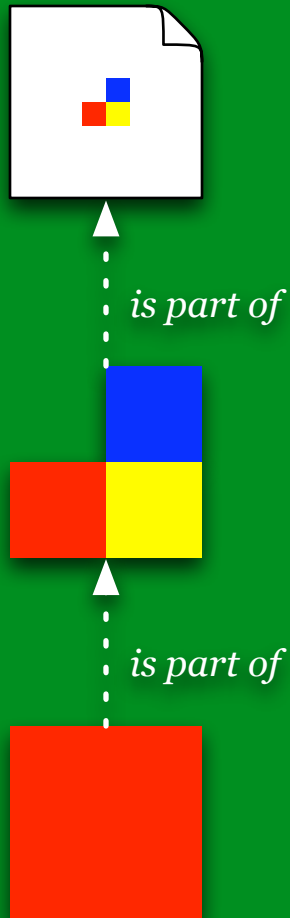


# Questions

1) How are objects in the scrapbook related?

# Questions

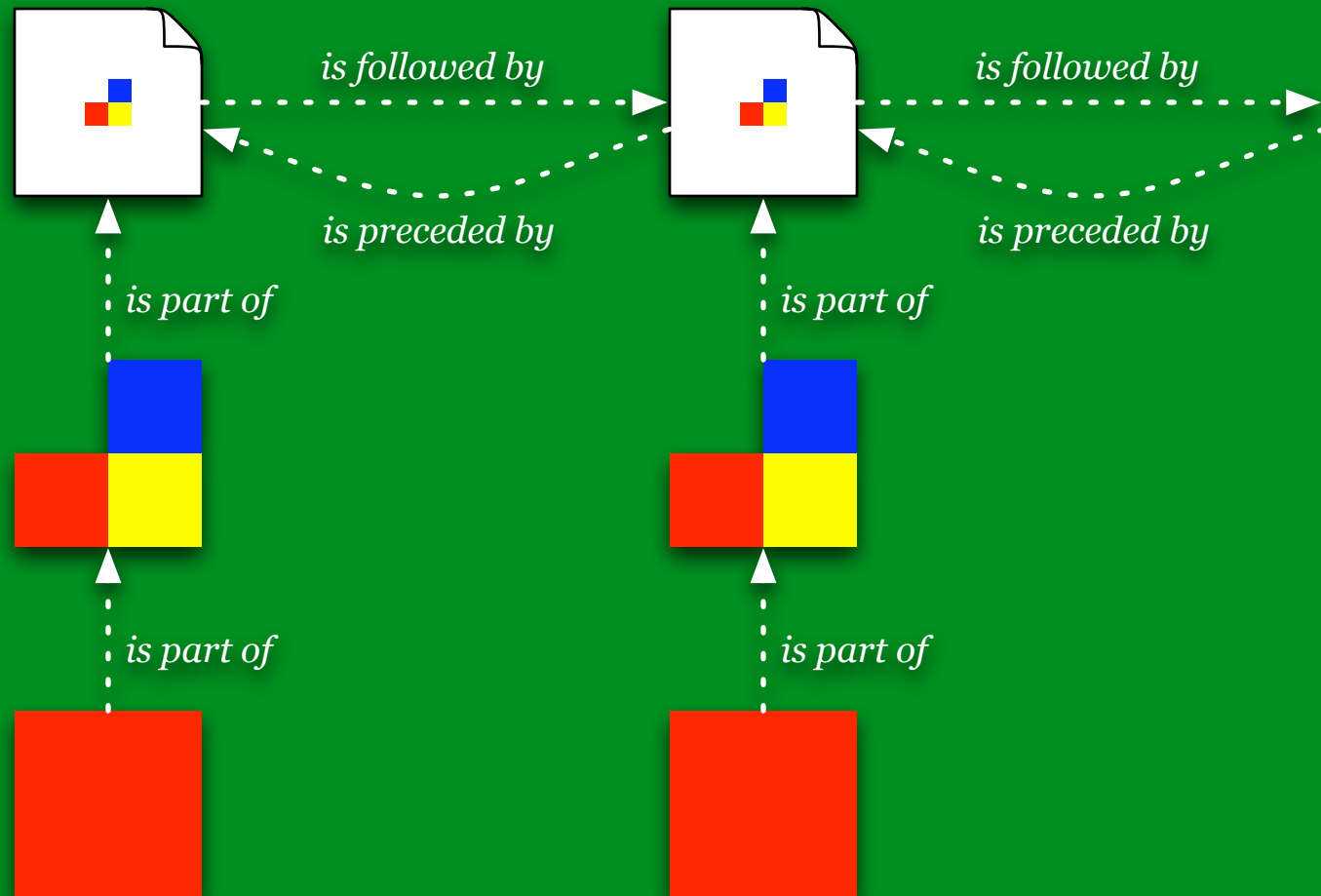
1) How are objects in the scrapbook related?





# Questions

1) How are objects in the scrapbook related?

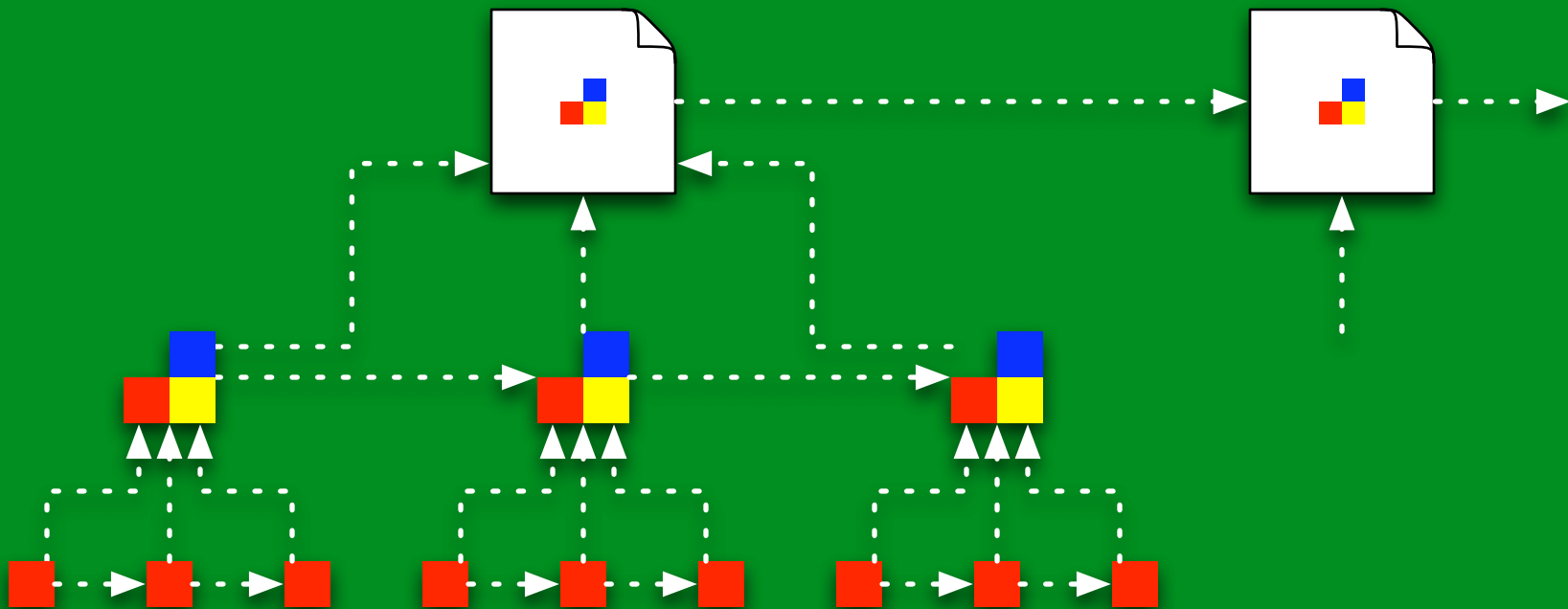


# Questions

- 1) How are objects in the scrapbook related?
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# Questions

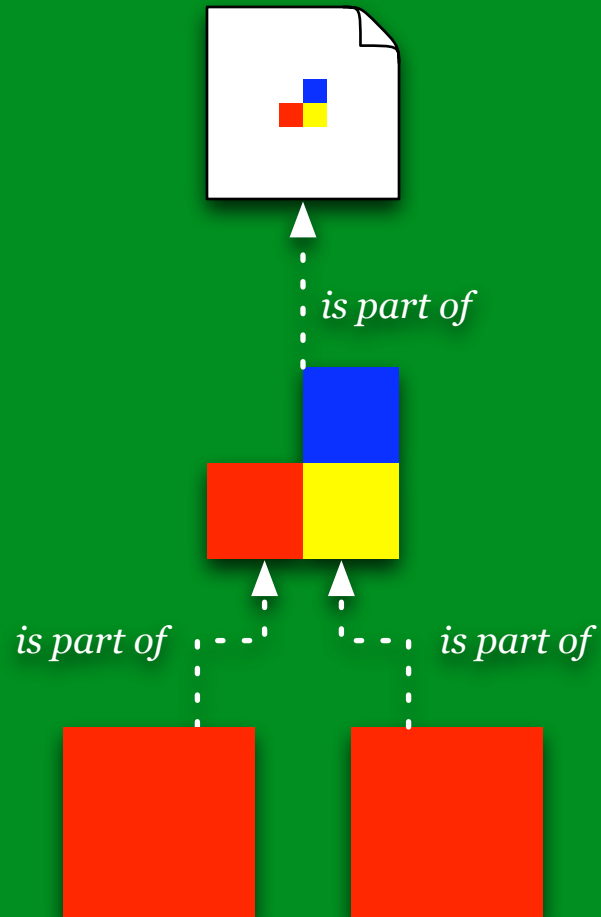
1) How are objects in the scrapbook related?

2) How do we model those relationships?

⇒ Take advantage of parallel structures

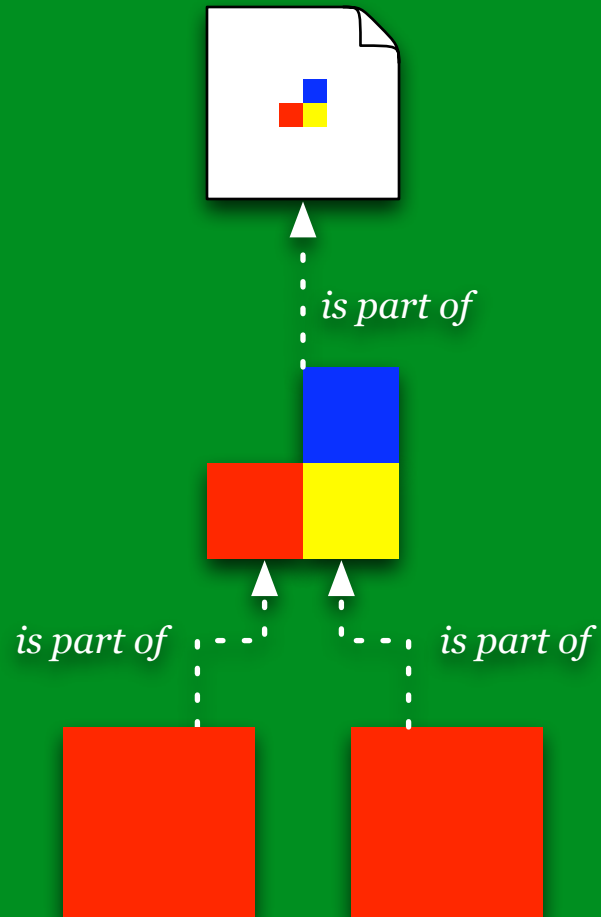
# Modeling

Scrapbook objects

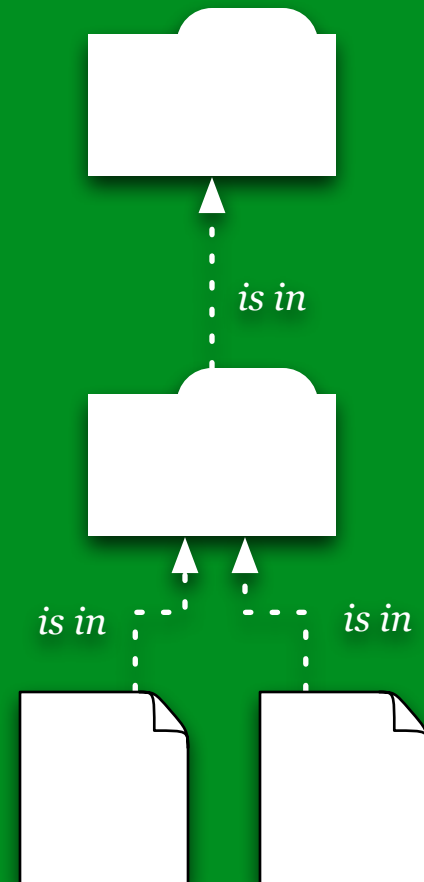


# Modeling

Scrapbook objects

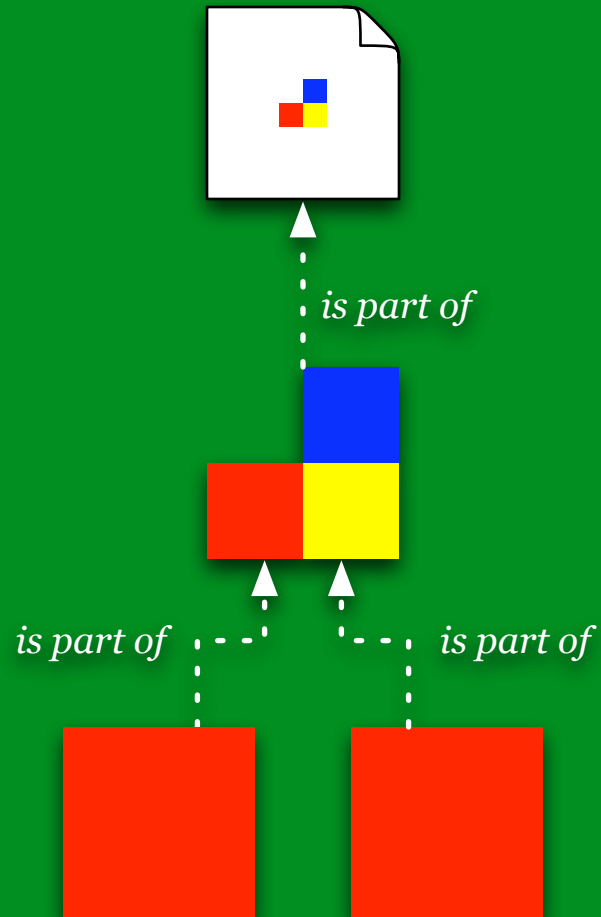


Files and folders



# Modeling

Scrapbook objects



HTML/XML

```
<h1>Page</h1>
```

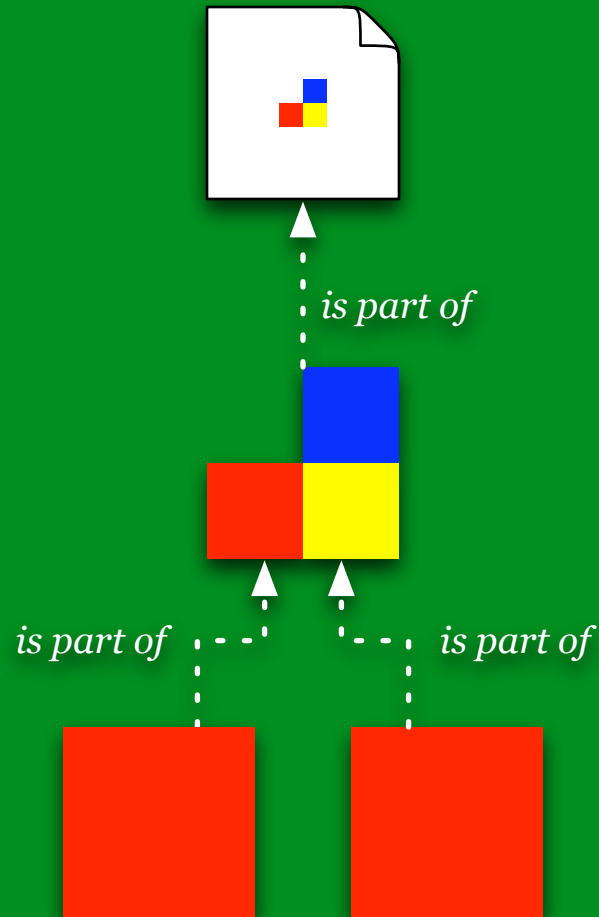
```
<h2>Item</h2>
```

```
<h3>Part</h3>
```

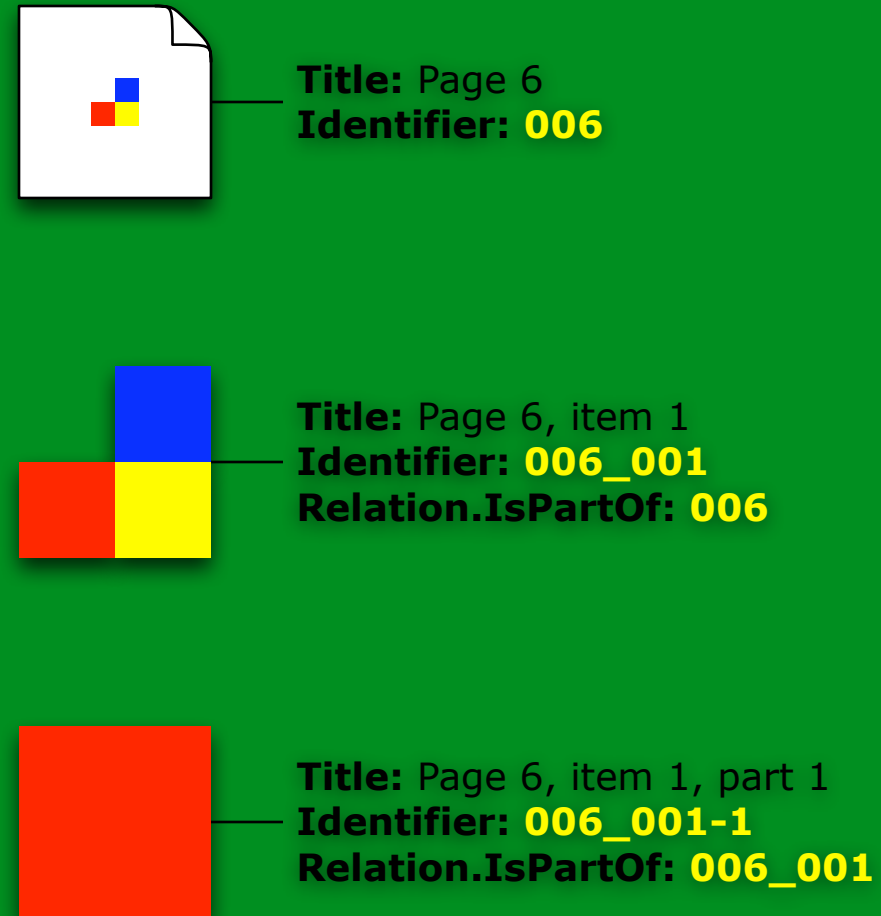
```
<h3>Part</h3>
```

# Modeling

## Scrapbook objects



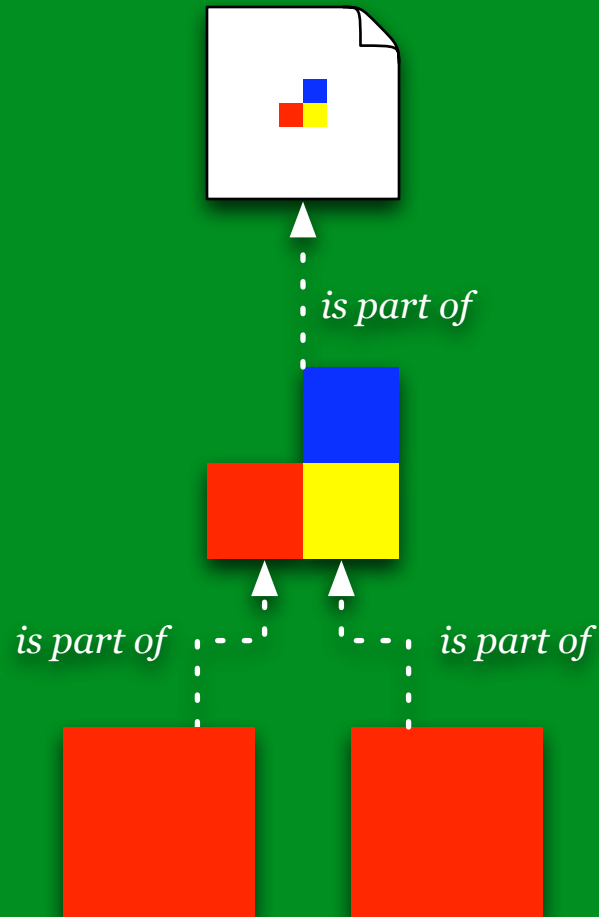
## DC.Relation?



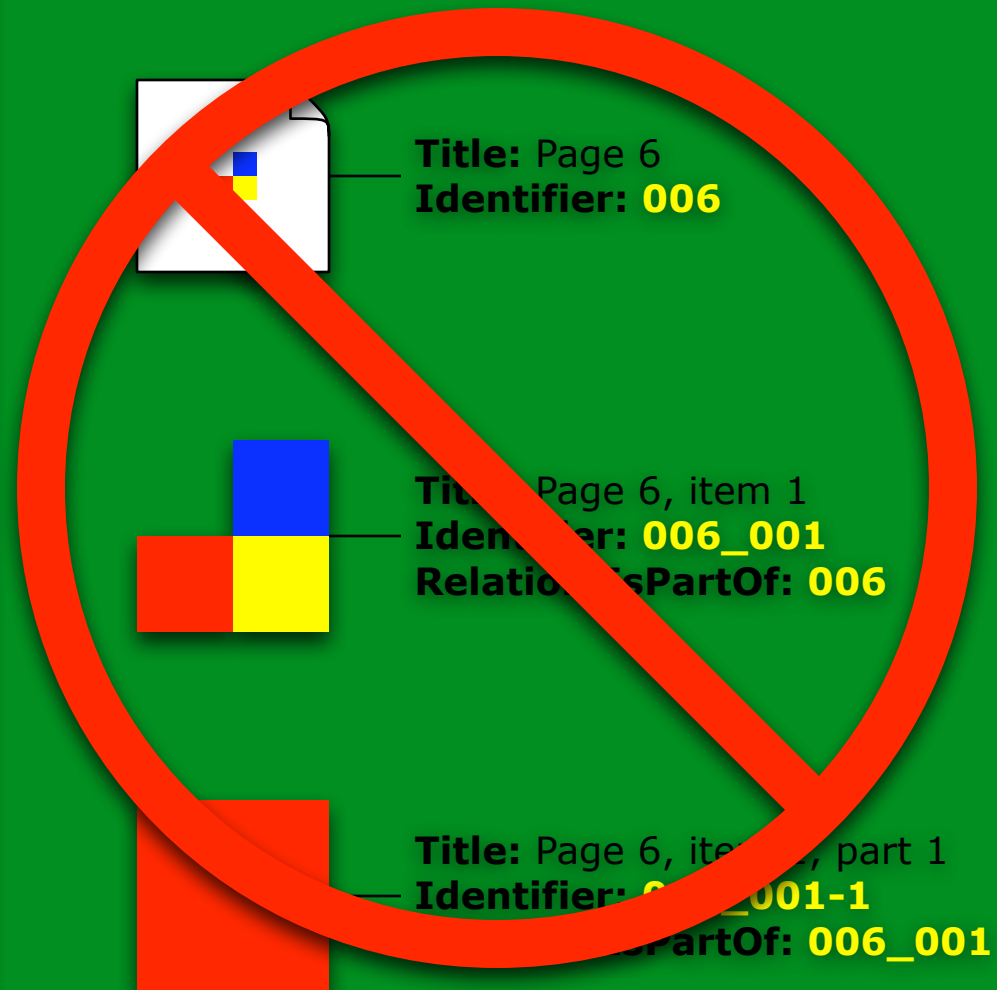


# Modeling

Scrapbook objects



DC.Relation?



# Problem

Greenstone doesn't really understand DC  
Relation elements.

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While ingesting content, it ignores them.

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Well, it copies them but they don't really *mean* anything to any of the plugins.

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Greenstone doesn't really understand DC Relation elements.

While ingesting content, it ignores them.

Well, it copies them but they don't really *mean* anything to any of the plugins.

Of course, we could make our *own* plugin...

# Questions

- 1) How are objects in the scrapbook related?
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- 3) How do we display those relationships?

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⇒ *Any way we want!*

# Questions

- 1) How are objects in the scrapbook related?
- 2) How do we model those relationships?
- 3) How do we display those relationships?

Any way we want!

⇒ If we can model them the way we want.



# Questions

- 1) How are objects in the scrapbook related?
- 2) How do we model those relationships?
- 3) How do we display those relationships?

Any way we want!

If we can model them the way we want.

⇒ And if there's time.

# Structure



# Next time...



# Questions?

