BIBFRAME 2.0

Items

DRAFT

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Library of Congress

This is one of a set of draft specifications for BIBFRAME 2.0. It was developed by the Library of Congress in consultation with invited experts. Comments welcome.

1.0 Approach

BIBFRAME 1.0 defines class `bf:HeldItem`, subclass of `bf:HeldMaterial`, which is a subclass of `bf:Annotation`. Thus a `bf:HeldItem` or `bf:HeldMaterial` is treated as an annotation of a BIBFRAME Instance, by which a holding of that Instance is declared.

Proposal for 2.0

- `bf:HeldItem` and `bf:HeldMaterial` are replaced by a single class, `bf:Item`.
- `bf:Item` is a core class. (It is not a subclass of `bf:Annotation`.) Thus there will be three core classes: Work, Instance, and Item.
- A `bf:Item` is referred to informally as a *simple item* or a *compound item*. A compound item consists of multiple Items, each of which is itself an Item. We refer informally to each part of a compound item as a *component*.
- The components of a compound item may be simple or compound.
- Thus, a compound Item functionally serves the purpose of what was previously HeldMaterial; that is, a compound Item may be thought of, informally, as a summary description of several Items.
- Properties `bf:hasComponent` and `bf:componentOf` are defined. `bf:hasComponent` is a property of a compound item. It points to the item’s components. Property `bf:componentOf` is a property of an item which is a component of a compound item and it points to that compound item.
- Shelfmarks and other Item identifiers become subclasses of `bf:Identifier`.

<table>
<thead>
<tr>
<th>Class</th>
<th>SubClass Of</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>bf:Item</code></td>
<td><code>rdf:Resource</code></td>
</tr>
<tr>
<td><code>bf:UsageAndAccessCondition</code></td>
<td><code>rdf:Resource</code></td>
</tr>
<tr>
<td><code>bf:ShelfMark</code></td>
<td><code>bf:Identifier</code></td>
</tr>
<tr>
<td><code>bf:ShelfMarkDdc</code></td>
<td><code>bf:ShelfMark</code></td>
</tr>
<tr>
<td><code>bf:ShelfMarkLcc</code></td>
<td><code>bf:ShelfMark</code></td>
</tr>
<tr>
<td><code>bf:ShelfMarkNlm</code></td>
<td><code>bf:ShelfMark</code></td>
</tr>
<tr>
<td><code>bf:ShelfMarkUdc</code></td>
<td><code>bf:ShelfMark</code></td>
</tr>
<tr>
<td><code>bf:Barcode</code></td>
<td><code>bf:Identifier</code></td>
</tr>
</tbody>
</table>
### Properties

<table>
<thead>
<tr>
<th>Property Of</th>
<th>Property</th>
<th>Expected Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>bf:Item</td>
<td>bf:componentOf</td>
<td>bf:Item (see note 1)</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:hasComponent</td>
<td>bf:Item (see note 2)</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:hasNote</td>
<td>bf:Note</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:usageAndAccess</td>
<td>bf:UsageAndAccessCondition (see note 3)</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:enumerationAndChronology</td>
<td>Literal</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:electronicLocator</td>
<td>Literal</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:subLocation</td>
<td>Literal</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:heldBy</td>
<td>bf:Organization</td>
</tr>
<tr>
<td>bf:Item</td>
<td>bf:itemOf</td>
<td>bf:Instance</td>
</tr>
</tbody>
</table>

### Notes:

1. The object of bf:componentOf should always be a compound item. Its subject may be a simple or compound item.
2. The object of bf:hasComponent may be a simple or compound item. Its subject should always be a compound item.
3. Class bf: UsageAndAccessCondition covers access conditions, as well as policies including those for lending, reproduction, and retention. Subclasses may be defined for these and other individual types, but none is yet defined.

### Examples

In the following examples, Item 1 is a compound item which is a summary description of its components, simple items 2, 3, and 4. Item 5 is a simple item, not a component; it is an item of an instance which is a digital version corresponding to item 4.

#### Item 1 – Compound Item

```xml
<http://bibframe.example.org/item/item1>
  a bf:Item ;
  bf:hasComponent <http://bibframe.example.org/item/item2> ;
  bf:hasComponent <http://bibframe.example.org/item/item3> ;
  bf:hasComponent <http://bibframe.example.org/item/item4> ;
  bf:subLocation "Prints and Photographs Division Washington, D.C. 20540 USA" ;
  bf:hasNote     [a bf: Note ;
                  rdf:value "Daguerreotypes collection 1840-1860"] ;
  bf:usageAndAccess <http://bibframe.example.com/condition/conditionX> ;
  bf:heldBy       <http://id.loc.gov/vocabulary/organizations/dlc> ;
  bf:itemOf       <http://bibframe.example.org/instance/instance0> .
```
# Item 1 continued

<http://bibframe.example.com/condition/conditionX>  
  a bf:UsageAndAccessCondition ;  
  rdfs:label "Copyright and Other Restrictions apply" .

<http://id.loc.gov/vocabulary/organizations/dlc>  
  a bf:Organization ;  
  rdfs:label "dlc" .

Item 2 – Simple Item (a component)

<http://bibframe.example.org/item/item2>  
  a bf:Item ;  
  bf:identifiedBy [  
    a bf:ShelfMark ;  
    rdf:value "DAG no. 1410" ] ;  
  bf:componentOf <http://bibframe.example.org/item/item1> ;  
  bf:itemOf <http://bibframe.example.org/instance/instance1> .

Item 3 – Simple Item (a component)

<http://bibframe.example.org/item/item3>  
  a bf:Item ;  
  bf:identifiedBy [  
    a bf:ShelfMark ;  
    rdf:value "DAG no. 1411" ] ;  
  bf:componentOf <http://bibframe.example.org/item/item1> ;  
  bf:itemOf <http://bibframe.example.org/instance/instance2> .

Item 4 – Simple Item (a component)

<http://bibframe.example.org/item/item4>  
  a bf:Item ;  
  bf:identifiedBy [  
    a bf:ShelfMark ;  
    rdf:value "DAG no. 1412" ] ;  
  bf:componentOf <http://bibframe.example.org/item/item1> ;  
  bf:itemOf <http://bibframe.example.org/instance/instance3> .

Item 5 – Simple Item (NOT a component)

<http://bibframe.example.org/item/item5>  
  a bf:Item ;  
  bf:electronicLocator "http://hdl.loc.gov/loc.pnp/cph.3g11323" ;  
  bf:itemOf <http://bibframe.example.org/instance/instance4> .