

# Digital Collections Development Workflow

Charles Blair

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## **1 Create Wireframes/Mockups**

These are developed with stakeholders and present a static representation of what all pages in the digital collection interface will look like.

## **2 Map Collection Metadata Elements to Europeana Data Model (EDM) RDF Triples**

The two requirements for doing this are (1) all elements required for the interface should be represented; (2) all required EDM elements and those required by local practice should be represented. See Europeana Data Model (EDM) Required ProvidedCHO Elements for use with University of Chicago

Library Digital Collections. Other elements may also be included. Note that, *unless otherwise indicated in the required elements document*, *DCMI properties in the /terms/ namespace* are to be preferred to properties in the */elements/1.1/ namespace/* (see Section 1: Introduction and Definitions).

### 3 Map Interface Elements to Actions

All actions on the interface (actions include searches, browses, and clicking on links for item or series pages) need to be identified. For each action, inputs and outputs should be indicated. For example:

```
getResultsByCreator
input(s)

                                dcterms:contributor
                                OPTIONAL dcterms:creator

output(s)

                                dc:title
                                dcterms:contributor
                                OPTIONAL dcterms:creator
                                dc:language
                                dcterms:spatial
                                dc:date
                                bf:content
                                dcterms:accessRights
```

### 4 Create APIs

APIs are created on the basis of the actions specified in the actions document.

### 5 Create Triples

Triples are created on the basis of the mappings to EDM.

### 6 Load Triples into MarkLogic

Triples are loaded in to a named graph, e.g., `<http://lib.uchicago.edu/MappingChicagoland>`.

## **7 Code Interface**

The interface is coded on the basis of the wireframes/mockups and the APIs.