Techniques for Descriptive Metadata Enrichment of Digital Objects

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Digital Objects

Revs: 200,000+ image public repository documenting the impact of the automobile

Each image is a digital object

Metadata

Objects digitized in bulk, usually with minimal associated metadata

Object discovery and context limited without richer metadata

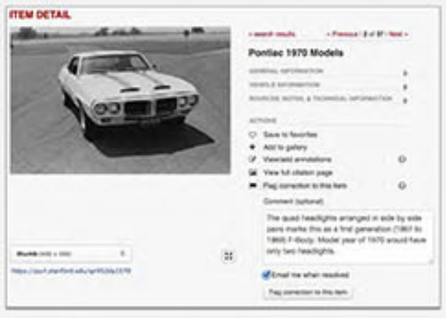
Community

Auto enthusiasts, librarians, automotive journalists, race car drivers

Contributor roles include anonymous users, logged in users, curators

User Actions

FLAG METADATA



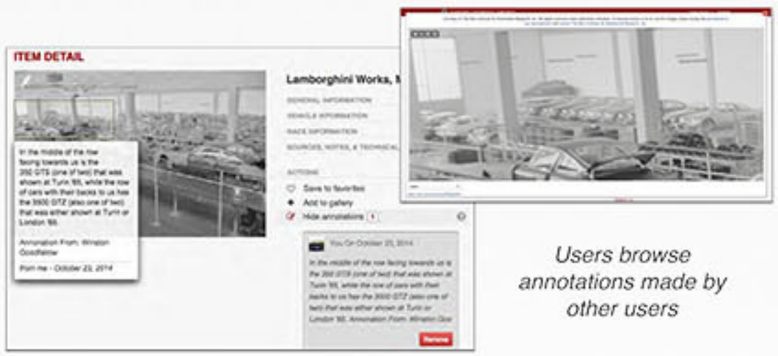
Users provide feedback on objects, point out incorrect metadata, or supply additional metadata

ADD ANNOTATION

Users highlight interesting items in the photo, tag persons of interest, etc.

Annotations are immediately searchable

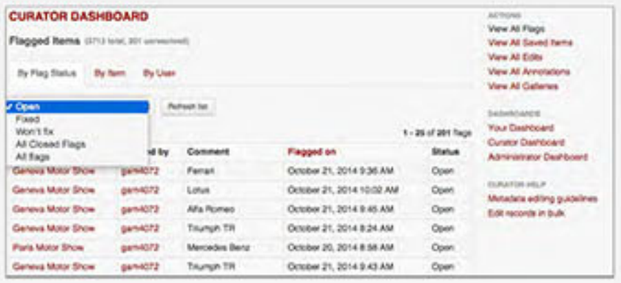
VIEW EXISTING ANNOTATIONS



Users browse annotations made by other users

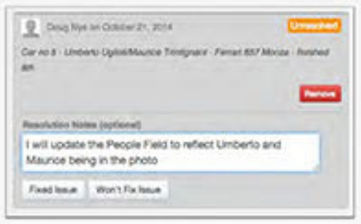
Curator Actions

MANAGE FLAGS AND ANNOTATIONS



Curators view all flags and annotations on management dashboards

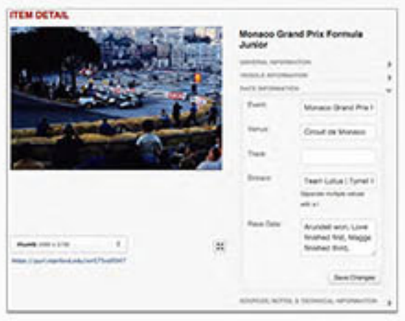
RESOLVE INDIVIDUAL FLAGS



Curators view each flag in the context of the image and provide feedback to the user regarding the resolution

EDIT FIELDED METADATA

Curators make corrections or add metadata via fielded forms



Preservation Processing

APPLICATION-SPECIFIC METADATA

- A local copy is kept of all metadata for Revs
- Allows curator edits to go live instantly without the need to wait for a preservation core
- Local Solr and MySQL databases store all metadata and application specific administrative data

EDITSTORE STAGING FOR PRESERVATION

- An object might not be immediately available for versioning, e.g. it is still versioning a previous edit
- Editstore can store edits from multiple applications and send them to one repository
- Editstore automatically checks to see if an object can versioned
- Multiple edits can be compressed into one version

PRESERVATION CORE

- Fedora instance containing the entirety of the object
- Authoritative, but versioning time prevents real-time edit display

More Information

Revs Digital Library
revslib.stanford.edu

Revs Institute
revsinstitute.org

Revs code repository
github.com/sul-dlss/revs