



Manifold

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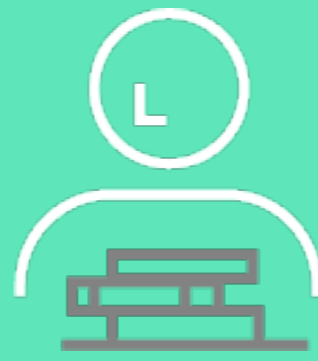
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DIGITAL DEVELOPMENT AGENCY



PUBLISHER



DIGITAL HUMANITIES CENTER

C A S T



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**THE
GRADUATE
CENTER**

CITY UNIVERSITY
OF NEW YORK

THE
ANDREW W.

MELLON
FOUNDATION



Project Goals



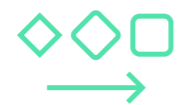
Ease of use and efficient workflow for Publishers



Advanced functionality and media capacity for Authors



Elegant interface and comment/note tools for Readers



Solutions for emerging practices in Scholarly Communications



Functionality

- Makes use of files publishers already produce, extending existing workflow
- Enhance projects with almost any file type: from static images to streaming media to downloadable apps
- Carefully designed user interface is easy and intuitive to use
- Responsive and supports all modern browsers and devices: mobile, tablet, desktop
 - Take a look: manifold.umn.edu



Focus

- **Manifold is a publishing platform focused on transforming a publisher's existing files into living digital works online**
- **It is not**
 - **a system to manage peer-review**
 - **a repository or preservation tool in/of itself**
 - **a place to author content**
- **Current limitations**
 - **Word ingestion**
 - **No offline mode**



Ecosystem



Manifold

 fulcrum

 editoria

vega | Academic
Publishing
System

HUMANITIES
C O M M O N S

 MUSEOPEN

Learn More About Manifold:



manifoldapp.org



contact@manifoldapp.org



github.com/ManifoldScholar/manifold



[@ManifoldScholar](https://twitter.com/ManifoldScholar)

ARCHITECTURE

Underlying Dependencies

- React
- Rails
- Node
- Ruby
- Redis
- ElasticSearch

ACCESSIBILITY

- Refine code to be in compliance with W3C guidelines for accessibility
 - WCAG 2.0 AA conformance
 - Apply ARIA Attributes
- Add section to documentation
 - General best practices
 - Resources to consult
 - Methods on Manifold

PRESERVATION

- In conjunction with our expert librarian colleagues on campus here and at CUNY,
 - identify what materials and export formats are best suited for preservation
 - build a utility to render content in static formats
 - create a means to export that content to institutional repositories

SUSTAINABILITY

- Baseline paywall functionality
- Annotation groups
- Simplified installation strategies
- New interface automation and efficiencies

INTEROPERABILITY

- Single-project instance
- Expanded theming options
- Plug-in interface allowing developers to hook into Manifold and add new components
- Improve and add ingestion strategies (e.g., Word, LaTeX)
- Automated ingestion and project creation interfaces allowing publication at a large scale (hundreds, thousands), making Manifold a viable OER platform
- Discovery network directory at manifoldapp.org

PLATFORM IMPROVEMENTS

- Update and upgrade design and functionality of the reader
- Add Project templates
- Update/patch frameworks and libraries
- Perform general maintenance and bug fixes