Simple DL: A toolkit to create simple digital libraries

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Resources to build archives



Money



Time



People



Institution





Low-Resource Environments

- Poor countries
 - Most of Africa
- □ Specific areas
 - Rural areas all over the world
- Specific organisations
 - NGO/NPOs relying on donor funding all over the world

Specific projects

Archivists who get funding for digitization but not maintenance





□ Greenstone – archives distributed on CDROM

Project Gutenberg – long term preservation using simple formats

- □ LOCKSS enable rescue by making many copies
- Bleek and Lloyd Collection offline services



Simple Archives

- **Proposition:**
 - If we simplify the design of archives ...
- □ It will cost less to set up and maintain.
- □ It will be faster to create.
- □ It can be maintained without skilled people.

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□ It can be migrated easily.



Simple DL

- □ Toolkit to create simple archives.
- Based on many successful ideas in DL architecture, but built for lowresource environments and for adaptation.
- Experimental but:
 - Can change how we develop systems.
 - Provides a platform to experiment.

| ਿ main - ਮੈ 1 branch | 🛇 0 tags | Go to file Code 🗸 | About |
|----------------------------|---|-----------------------|---|
| 👕 slumou fixed unique id w | ith parent directory Oldabec 20 | days ago 🛛 59 commits | Simple Digital Library Toolk |
| 🖿 bin | fixed unique id with parent directory | 20 days ago | ৰ্কু MIT License |
| template | allow empty names in search results | 2 months ago | |
| INSTALL.TXT | faster generation; faster csv; faster entities | 4 months ago | Releases |
| | Initial commit | 9 months ago | No releases published |
| README.md | Update README.md | 3 months ago | |
| README.md~ | test | 8 months ago | Packages |
| sampledata.tgz | added samples and ppt icon | 3 months ago | No packages published |
| sampledb.tgz | added samples and ppt icon | 3 months ago | |
| samplepublic_html.tgz | added samples and ppt icon | 3 months ago | Languages |
| E README.md | | | JavaScript 47.2% Perl 45.9% SCSS 2.4% |
| Simple DL | | | Less 2.2% CSS 1.8% Raku 0.4% Ruby 0.1% |
| This is an experimental t | oolkit to create simple digital libraries, where scue and ease of development. | the goal is ease of | |

https://github.com/slumou/simpledl





Major Features

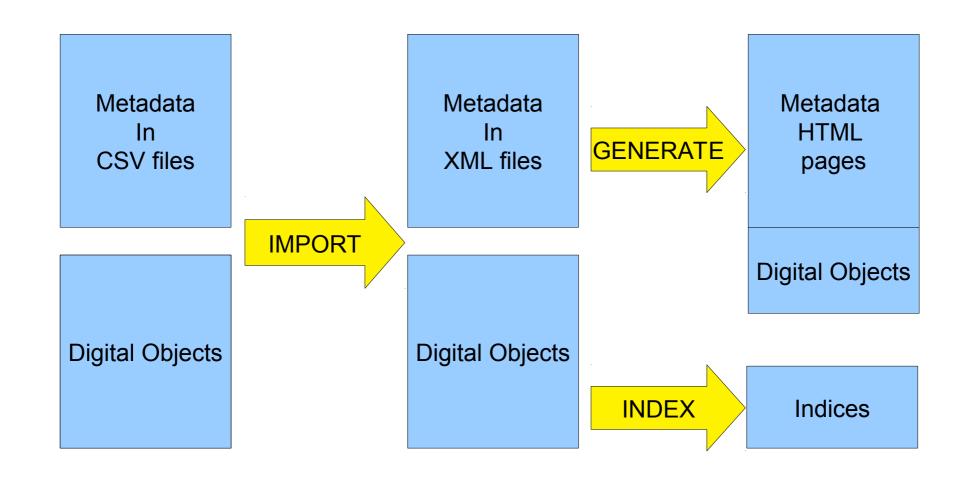
- Offline pre-generated core website.
- □ Search/Browse in Javascript.
- □ Metadata stored in spreadsheets and XML files.
- □ Any metadata format (DC, ICA-Atom).
- Minimal use of Web applications.
- □ XSLT + CSS for styling.
- □ User and entity management.
- □ Submissions, comments, moderation.





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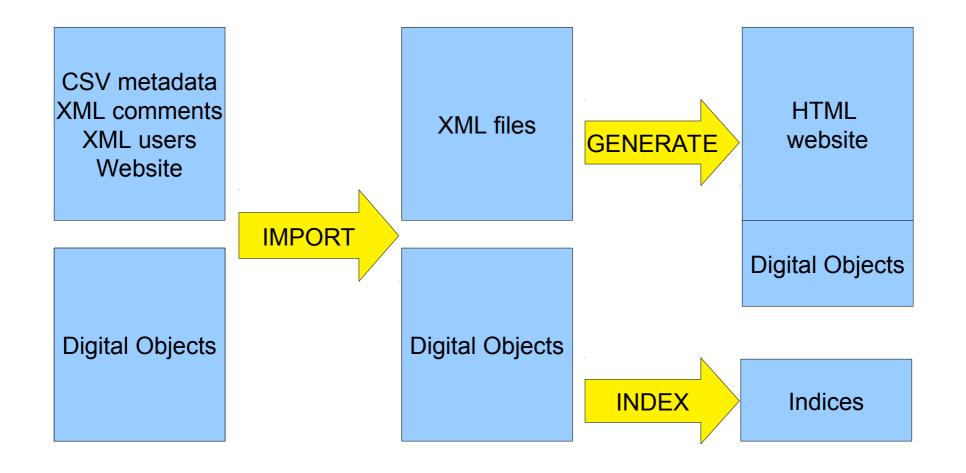
Basic Idea







Basic Idea - Extended







Management Interface

Web UI to manage files, moderate submissions and import/generate/index.

| Simple DL | Logged in: | Edit Profile Admin Logout |
|---|-------------------|-------------------------------|
| • | | Site Home |
| Manager Options: Moderate Manage Import metadata v force Clean Generate metadata | ✓ force □ Index | |
| Manage Datasets | | |
| Datasets: [spreadsheets] [collection] [carousel] Options: Create [F]older, [D]elete file/folder, [U]pload file or ZIP | | |
| Select a file to attach (for uploads): Choose file No file chosen | | |
| [-] ROOT/ [f] [] AMAFA/ [f] [d] [-] JAG/ [f] [d] [] JAG institutional materials v2.csv [8839 bytes, 09 May 2021 14:31:01] [d] [] JAG institutional materials v2.csv [8839 bytes, 09 May 2021 14:31:01] [d] [] Brenthurst v3.csv [365457 bytes, 09 May 2021 14:31:01] [d] [] Maritz v2.csv [526790 bytes, 09 May 2021 14:31:01] [d] [] Jaques v2.csv [25425 bytes, 09 May 2021 14:31:01] [d] [] Brodie.csv [7073 bytes, 09 May 2021 14:31:01] [d] [] Horstmann v2.csv [271199 bytes, 09 May 2021 14:31:01] [d] | | |



Users and Entities

- □ Users have accounts on the system.
- Entities are extracted from metadata.
- Every entity page can links to authority records and items.

Makers and Shapers Profile

| Details | | Activity | | |
|-----------------------|---|----------------------|--------------------------|---|
| Name | Macebo, Dyer D | Type <mark>↑↓</mark> | Date <mark>↑↓</mark> | ltem ↑↓ |
| Туре | Commissioned Contributor | Interlocution | Interlocution 1898/11/02 | Macebo, Dyer D, Testimony from 'The James Stuard Archive of Recorded Oral Evidence Relating to the History of the Zulu and Neighbouring Peoples', |
| Dates of Existence | 1870 - ҮҮҮҮ | | | Volume 2 (Mab-Maz) Placeholder for relevant pages from John Wright's |
| | [Source - Chloe Rushovich for FHYA, 2017, using KCAL materials: Dyer D. Macebo was from the Umvoti mission | Interlocution | 1898/11/02 | |
| | station. His father was of the Tulwane regiment but was a Christian. He was interviewed by James Stuart in 1898. Macebo was 28 years old when he was interviewed by Stuart.] | Interlocution | 1898/11/02 | Placeholder for Macebo, Dyer D, Hyperlinked Archival Research Tool |
| | | Interlocution | 1898/11/02 | Placeholder for Macebo, Dyer D: Notes of his conversations with James Stuart, as collated by John Wright |





Submissions and Comments

Users can add comments and attachments; or makes new submissions.

Contributions

Name: ettore morelli

Date: 2021-06-24T14:30:44+0200

This research note is best read together with the note written by John Wright on the same subject. The two research notes were produced during the creation of the EMANDULO presentation 'Exploring uMgungundlovu' between the end of 2020 and the beginning of 2021.

The research note by Wright is here: http://emandulo.apc.uct.ac.za/metadata/uMgungundlovu/28/1352/index.html

And the presentation 'Exploring uMgungundlovu' is here: http://emandulo.apc.uct.ac.za/cgi-bin/view/Presentations/httpsstudio-emandulouctaczafhya-exploring-umgungundlovu.zip/studioemandulo.uct.ac.za/https://studio-emandulo.uct.ac.za/fhya-exploring-umgungundlovu/index.html

They both relate to the edited and interactive map of uMgungundlovu that is here attached in static form.



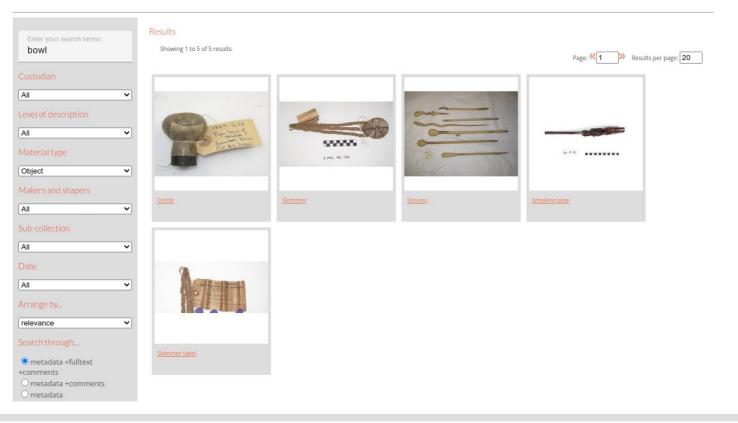




Search and Browse

□ Faceted search implemented in Javascript.

Search Results







Case Study 1: Emandulo 1/2



Featured Presentations



Exploring uMgungundlovu

Browse FHYA Presentations







Case Study 1: Emandulo 2/2



HOME | ABOUT EMANDULO | ABOUT FHYA | USING EMANDULO | LANGUAGE DISCLAIMER | MAKERS AND SHAPERS | SEARCH | CONTACT US

4 Early KZN Materials collected by James Stuart and associated items

FHYA selection of items pertinent to the testimonies of individual interlocutors from Volume 1 of the James Stuart Archive (Ant-Lyl) Ð

Contents

Scope and Content

[Source - Debra Pryor for FHYA, 2019: Series contains front and back matter and the individual testimonies from "The James Stuart Archive of Recorded Oral Evidence Relating to the History of the Zulu and Neighbouring Peoples", Volume 1 (Ant-Lyl), edited by Colin de B. Webb and John Wright, together with their related material.

The volume was edited in the period April 1971 to November 1975. Wright was responsible for translating into English words and passages recorded by Stuart in isiZulu. He discussed points of translation with Professor A.T. Cope, head of the Department of Bantu Languages at the University of Natal in Durban. The volume was published in March 1976. It has since been reprinted.]

Metadata

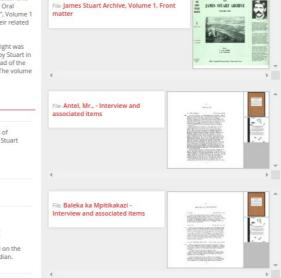
Title FHYA selection of items pertinent to the testimonies of individual interlocutors from Volume 1 of the James Stuart Archive (Ant-Lyl) [Source of title : FHYA]

Material Textual record Designation

Events

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Unless otherwise stated the copyright of all material on the FHYA resides with the contributing institution/custodian.



TAMES STUART ARCHIVE

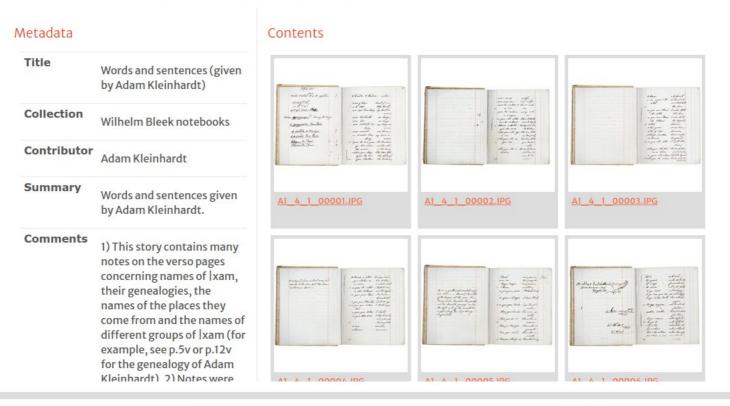




Case Study 2: New Bleek and Lloyd 1/2

Home
4 Stories
4 Wilhelm Bleek notebooks
4 Words and sentences (given by Adam Kleinhardt)

Words and sentences (given by Adam Kleinhardt)

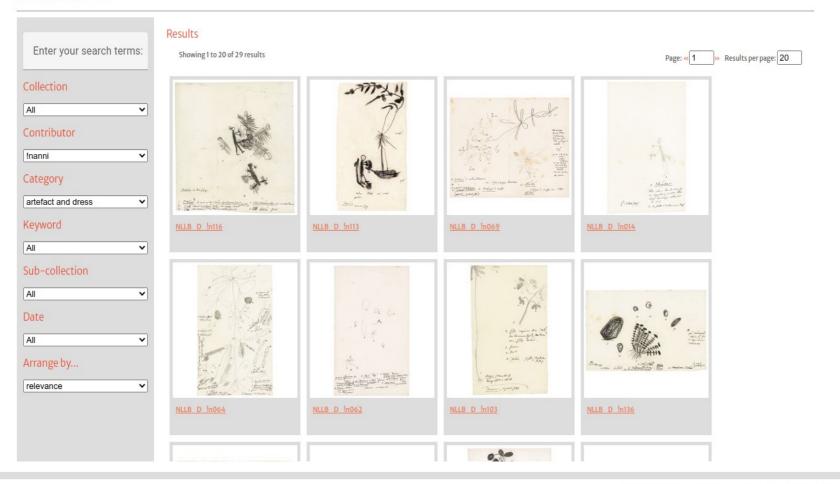






Case Study 2: New Bleek and Lloyd 2/2

Search Results







Case Study 3: NDLTD Document Archive 1/2



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GO

Search Document Archive

Enter your search terms:

Browse Collections



About Docs

This is a collection of research papers, presentations and related files from the annual symposia of the Networked Digital Library of Theses and Dissertations.

It is hosted on an instance of Simple DL.







Case Study 3: NDLTD Document Archive 2/2



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Home 4 ETD 2011 4 Do ETDs deter publishers? Does web availability count as prior publication?

Do ETDs deter publishers? Does web availability count as prior publication?

Content



Metadata

| Title | Do ETDs deter publishers? Does web availability count as prior publication? |
|--------|---|
| Author | Marisa Ramirez |
| | Gail Mcmillan |
| | Joan Dalton |
| | Nancy Seamans |
| | Max Read |
| | |







Ongoing Work

- □ Resolvable unique identifiers using purls.
- Complex object support archiving entire presentations/exhibitions.
- Archive archiving to manage versions of evolving knowledge structures.

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- □ Virtualisation to create/manage simple archives remotely.
- Complex object authoring tools to create visualisations of concepts maps.
- Bookmarking facilities both personal and communityoriented.





Reflections

• One design/architecture does not meet all needs.

- □ A Low-Resource Design may be easier to:
 - Set up
 - Maintain
 - Migrate
 - Rescue
- Simple means it is easier to add new features.Support experiments/research in digital libraries.



Thank you for listening!



https://github.com/slumou/simpledl

Questions, comments and suggestions are welcome...

Contact me at: hussein@cs.uct.ac.za

Digital Libraries Laboratory Department of Computer Science School of IT University of Cape Town