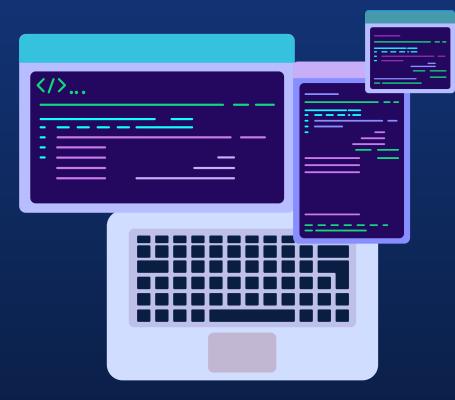
LADA Open Discovery Toolkit LDD Genie

Yang Li (<u>yli546@usc.edu</u>)
Yizhou Sheng (<u>yizhoush@usc.edu</u>)
Yulun Zhang (<u>yulunzha@usc.edu</u>)
Jincheng Zhou (<u>jinchenz@usc.edu</u>)
Changyu Zhu (<u>changyuz@usc.edu</u>)





Logical Document Determination (LDD)

LDD is the process of establishing the boundary of a document by identifying logical breaks.



WHAT'S THE PROBLEM?



PROBLEM

It requires a lot of manual labor to identify and assign logical boundaries, as well as fill in semantic labels.



SOLUTION

LDD Genie: The next generation document management software, designed for LDD.







LDD Genie



A standalone Windows® application specialized in document boundary & semantic label management



WHY LDD GENIE?



COMPATIBILITY

Compatible with the concordance archives used by Nuix Workstation



EASY & FAST

Create boundary type & semantic label presets and use hotkeys to assign pages at lightning speed

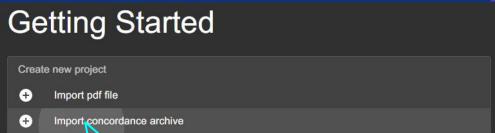


ARTIFICIAL INTELLIGENCE

Automatically assigns boundaries. Learn from your corrections and evolve over time







START WITH PLAIN PDF OR CONCORDANCE ARCHIVE

A PDF is all we need to get started

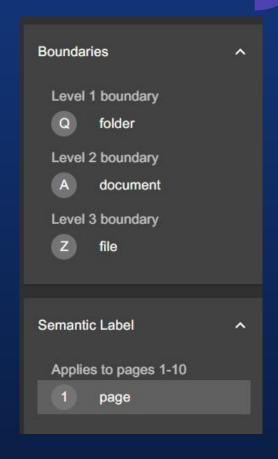
Or import existing archives easily with flexible configuration



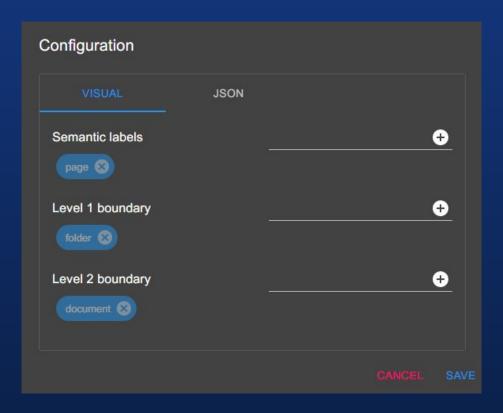
HOTKEYS

No more clicking around

Finish the work with the power of keyboard







Create presets of boundary names and semantic labels to boost your productivity.

Quickly import a template with JSON.

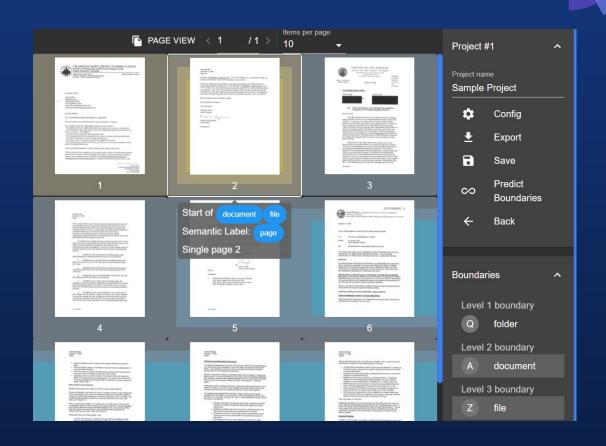
CUSTOM PROJECT CONFIGURATION



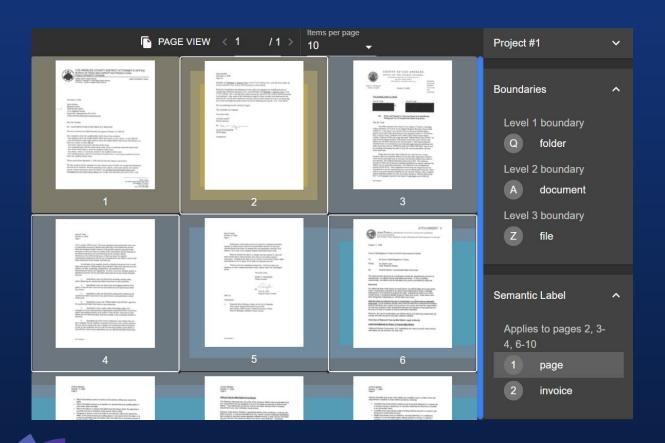
GALLERY VIEW

View all pages in a glance

Identify different document bundles by background colors







MULTI-SELECT

Assign labels and boundaries in batch



Meet your new assistant...

ARTIFICIAL INTELLIGENCE



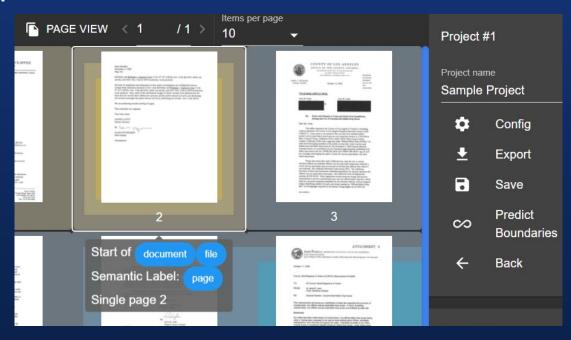
Detect boundaries with one click

\ml_models>python train_model.py

Evolve over time at your command

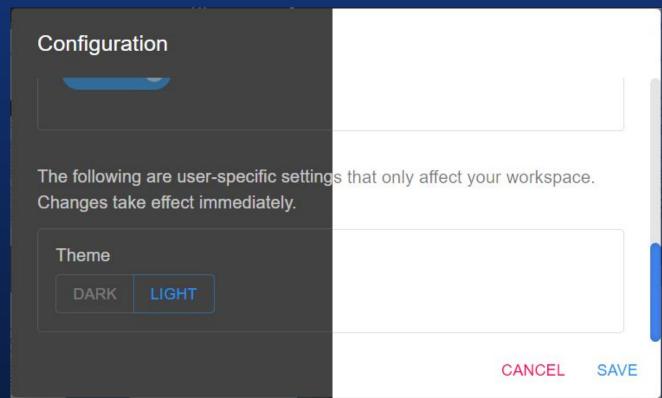
MATERIAL DESIGN

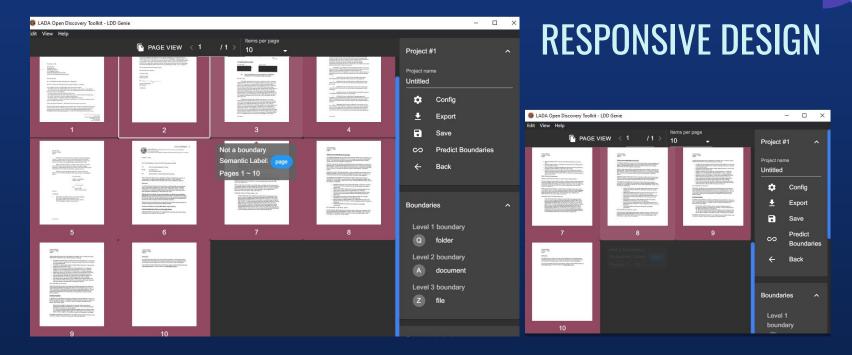
Material is an adaptable system of guidelines, components, and tools that support the best practices of user interface design





DARK / LIGHT THEME





Automatically adapts to the window size

Zoom in / Zoom out support

TECHNOLOGY AND FRAMEWORKS



INDUSTRY LEADING TECHNOLOGY

NestJS: Reliable server





React: Component-based stateful views

Tensorflow: Comprehensive, flexible platform for machine learning





Electron: Build cross-platform desktop apps with web technology



PORTABLE SOFTWARE



NO INSTALLATION

We won't modify anything outside the working directory, nor change your PC settings/registry.



UNZIP AND USE

All dependencies are bundled.
Uninstallation is as simple as deleting the folder.





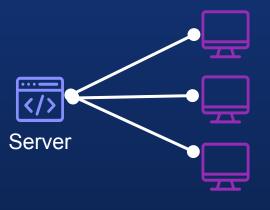
WEB APP AS STANDALONE APP



Native Windows App



This software is designed to be smoothly migrated to a web service with minimal code changes



Client (Browser)

Dedicated Server For Web App



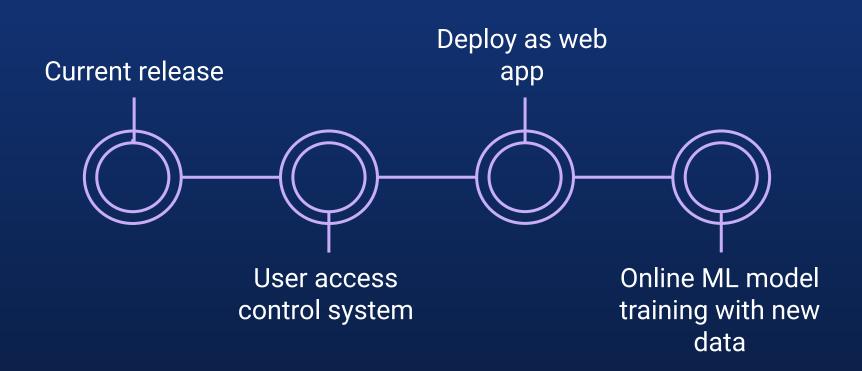


DEMO



PLAN MOVING FORWARD







Q&A





THANK YOU

