

Simple Web Application for BD API use

BDFiddle Next Steps 4/27/2016

1. Automatic Process Adjustments
 - a. Multiple results panes
 - i. Extraction Results
 - ii. Conversions Results
 - b. Remove colon on Extractors/Converters
 - i. Extract
 - ii. Convert To
 - c. Flip conversion and extractors boxes for real estate
 - d. Website Security
 - i. Use an anonymous token/key with limits on file size and submissions. (Long Term - Not In Scope)
 - ii. Login using user/name and password
 1. Sign-In page first
 2. Get key
 3. Fetch token
 4. Key and token displayed on top of page
 - e. Indent code snippet buttons to line up with code pane
 - f. Links for setup by code snippets
2. Manual Process
 - a. Metadata (Extraction)
 - i. Allow selection of multiple metadata tools
 - ii. Pick only one tool to start
 - iii. Display error from extractor if it fails -> Need clear errors in the extractors
 - iv. List each tool specifically -> Get tools from tool catalog
 - b. Conversion
 - i. Populate output (conversion) based on the input type of the file
 - ii. User will then select conversion format, which will then populate a list of tools to do the conversion
 - iii. Polyglot will give the list of available tools by conversion format

✓ **BD-967** - Create a mockup (wireframe) for demo web application **DONE**

+ **BD-970** - Implement the front-end UI for Brown Dog Demo Web application **DONE**

✓ **BD-976** - Define what endpoints to call from bd-fiddle **DONE**

+ **BD-992** - Call BD endpoints from tutorial webapp **DONE**

Original whiteboard drawing:



Mockup - Automatic Page:

Brown Dog Service Demo

Input:

File URL (remote or local)

Browse

Results:

Automatic

Manual

Output:

PDF

JPG

Metadata in JSON

DOC

In automatic way, the input file will be processed with automatically selected tool depending on your output. The conversion service will be used if needed and the extraction service will be used depending on the input file. The results will be shown in next panel.

Process the File

Code Snippet

REST call:

GET https://browndog.ncsa.illinois.edu/api/conversion/...
GET https://browndog.ncsa.illinois.edu/api/extraction/...

Download the code

Copy to the clipboard

Python:

import urllib2

python code here....

Download the code

Copy to the clipboard

Matlab:

matlab code here...

Download the code

Copy to the clipboard

Mockup - Manual page

**Input:**

File URL (remote or local)

Browse

Results:

Automatic

Manual

Tools:

Face Detection

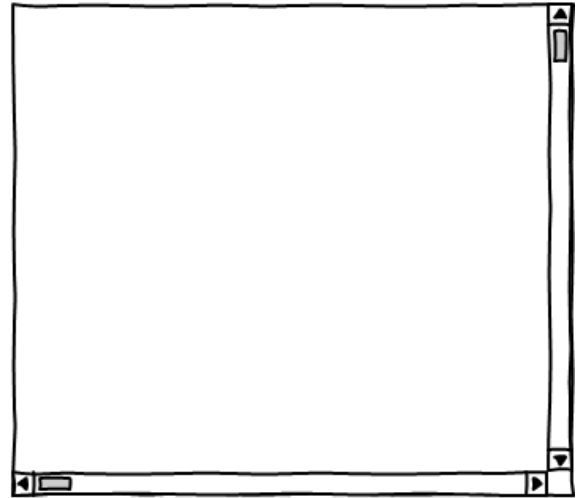
OCR

ImageMagik

...

In manual way, the input file will be processed with the selected tool. The results will be shown in the next panel

Process the File



Code Snippet

REST call:

GET https://browndog.ncsa.illinois.edu/api/extraction/...

Download the code

Copy to the clipboard

Python:

import urllib2

python code here....

Download the code

Copy to the clipboard

Matlab:

matlab code here...

Download the code

Copy to the clipboard