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 catelog
   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 forma

☑ **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 used if needed and the extraction service will 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

Brown Dog Service Demo

Input: [File URL (remote or local)] [Browse]

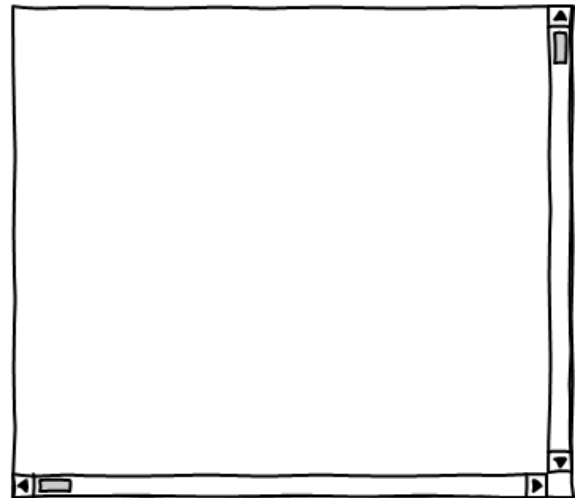| Automatic	
Manual	

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]

Results:

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]