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WSULS Digital Collections API

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WSULS DIGITAL COLLECTIONS API

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What We Have

- A Digital Collections Platform
- Built on Fedora Commons
- Solr
- PHP, Javascript Front-end
- Heavily developed and doesn't use
 - Hydra
 - Islandora

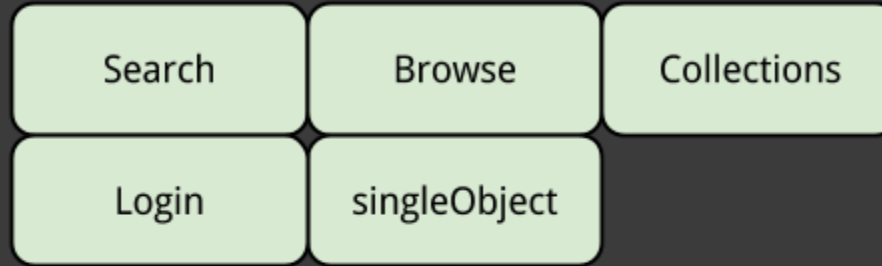
untitled

```
1 gibberish = 'idig'
2 gibberish1 = 'uddag'
3 gibberish2 = 'uvug'
4 gibberish3 = 'uthug'
5
6 original = raw_input('Enter a word:')
7
8 if original.isalpha() and len(original) <= 3:
9     first_letter = original[0]
10    rest_of_word = original[1:]
11    whole_word = original[0:]
12    new_word = first_letter + gibberish + rest_of_word
13    vowel_word = gibberish + original
14    vowel_word1 = gibberish1 + original
15    vowel_word2 = gibberish2 + original
16    vowel_word3 = gibberish3 + original
17    if first_letter == "a" or first_letter == "e" or first_letter == "i" or first_letter == "o" or first_letter == "u":
18        print vowel_word
19        print vowel_word1
20        print vowel_word2
21        print vowel_word3
22    else:
23        print first_letter + gibberish + rest_of_word
24        print first_letter + gibberish1 + rest_of_word
25        print first_letter + gibberish2 + rest_of_word
26        print first_letter + gibberish3 + rest_of_word
27 else:
28    print "Invalid answer"
```

LET'S BUILD AN API!

host: digital.library.wayne.edu

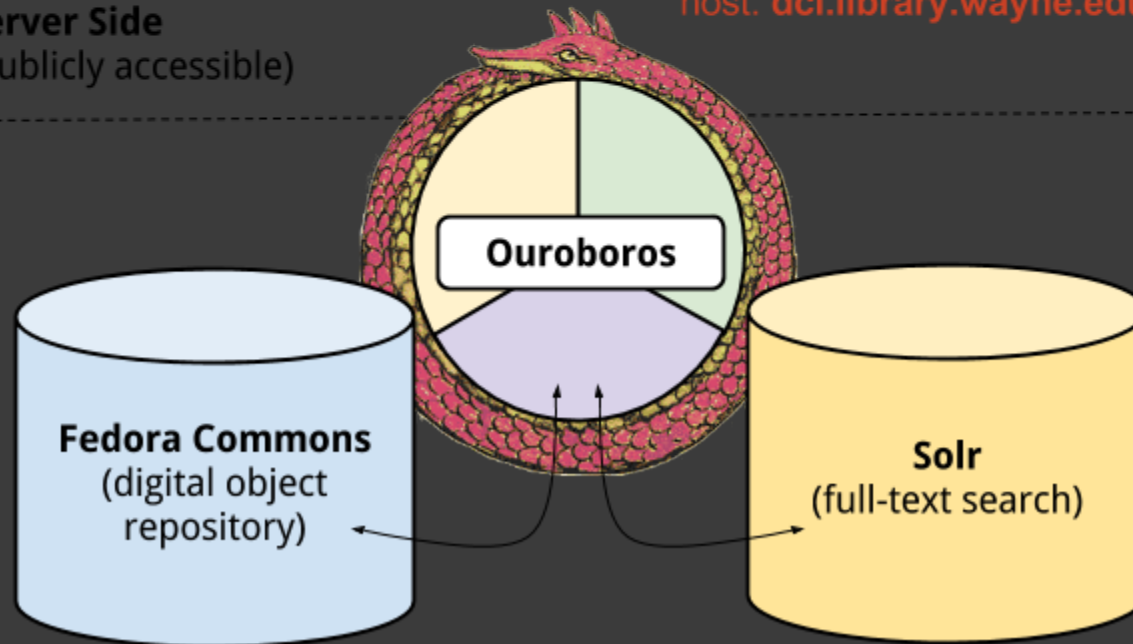
HTML / PHP / JS / CSS Front-End



Client Side (publicly accessible)

Server Side
(publicly accessible)

host: dci.library.wayne.edu



BEGINNINGS

PHP



PYTHON

Django
Twisted Server
Flask (with Twisted)

HOW IT WORKS

Link

Base Form

```
<font style="font-size: 24px;">http://digital.lik  
<br>
```

Find all Objects in a Collection

```
<font style="font-size: 24px;">http://digital.lik
```

THINGS TO KNOW

1. This was built for a need
2. It went through lots of iterations
3. We had never built an API before
4. We had an existing DC platform
5. We're still developing on it
6. It's challenging but lots of fun

QUESTIONS?

Wayne State University Libraries Github:
<http://github.com/WSULib>

My Info:

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CREDITS

Slide 3: Problem, Solution, Result... By Duncan. [CC BY-NC 2.0](https://creativecommons.org/licenses/by-nc/2.0/). <https://secure.flickr.com/photos/duncan/8775923664>

Slide 4: Code from Gibberish Word Generator. Python Fiddle. <http://pythonfiddle.com/gibberish-word-generator/>

Slide 5: Digital Collection infrastructure. Graham Hukill. Used with permission. Created July 2015.