



CENTER FOR TEXTUAL STUDIES AND DIGITAL HUMANITIES

DIGH 402 - Introduction to Digital Humanities Design and Programming

Spring Semester 2015

Week 14

Final Presentation - Wednesday 22nd April 2015

- 10-15 minutes in length plus questions
 - 10 minutes individual and 15 minutes group
 - peer-reviewed (your answers and assessment will only be shared with myself)
- offer a practical demonstration of their online resource
- answer questions on its development and publication
 - taxonomy, metadata, content structure, design choices, code additions...
- teach the class about a chosen resource and subject material
 - tests weekly reading, understanding of taxonomy, metadata, content structure...
 - content can be age specific or open - any subject, genre...
 - eg: history, literature, culture, music, video etc
 - you may use 3rd party APIs to populate content (good idea for a plugin,,)

Final Assessment - Wednesday 29th April

- final report outline available in coursework section of course website
 - <http://digteach.github.io/coursework/>
 - or download directly <http://digteach.github.io/assets/docs/DIGH402-FinalReportOutline.pdf>

Object Oriented Programming

402framework - v0.8

- update framework to v0.8 - available on GitHub
 - <https://github.com/digteach/402framework> (final version with JQuery UI tabs)
 - <https://github.com/digteach/source/tree/master/2015/DIGH402/402framework/v0.8>
- update database SQL to week 14 - available on GitHub
 - <https://github.com/digteach/source/tree/master/2015/DIGH402/402framework/sql/week14/402framework.sql>

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

More framework examples

- [taxonomy page](#)
- [content page](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

Adding our first sets of data to the framework DB

- content, content_group, content_type and content_lookup
- content_meta
- menu and menu_lookup
- node
- plugins and plugins_lookup
- taxonomy and taxonomy_lookup
- users

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated frame/controller/taxonomy.php - part 1

- [taxonomy&id=1](#) type query now checks DB for children if no content available
 - used as a check for all content for overall parent taxa
 - eg: Devon (id=1) which also contains Brixham (id=3) and Torquay (id=4)
- new taxonomy_content_check() and taxonomy_child_query() methods
- getter method queries taxonomy_content_check() method
 - if content is available for the taxa itself, then db_results is returned as expected
 - if no content, then child taxa are found and content checked and returned

[GitHub Code](#)

Object Oriented Programming

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updated frame/controller/taxonomy.php - part 2

related links for selected taxa id - get_taxonomy_related()

- uses taxa_id in URI to query DB for parent and child related links from taxonomy and taxonomy_lookup
 - eg: taxonomy&id=1 or taxonomy&id=3
- checks if parent is available for taxa id
 - if parent then it outputs parent and child links (no repetition of current taxa id in URI)
 - if no parent simply outputs child links
 - eg: Brixham outputs Devon and Torquay
Devon outputs Brixham and Torquay
- 'groups' works in the same manner and outputs parent and child or just child links for taxa_id in URI

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated frame/controller/taxonomy.php - part 3

related links for selected format and content id - get_content_related()

- similar implementation and functionality as taxonomy&id=3
- new getter method and content_related_check() method in frame/controller/taxonomy.php
 - requires params['id'] and new params['format'] parameters from params array
 - gets taxa_id for given format and content_id using new method
- contentformat_taxa_query()
 - then passes taxa_id to taxonomy_related_check() method
- examples
 - [text&id=15](#)
 - [image&id=15](#)

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated system/library/view.php

related links for selected taxa id - updated view

- related_links array passed to draw_middle() method in View class
 - then passed to draw_sidebar()
 - option to draw_related_content() or draw_related_links()
 - render links for related content or related taxa
- new draw_related_links() method in View class
 - checks for array in passed parameter
 - sets HTML for required rendering of related links in vertical menu layout
 - iterates over related_links array and outputs each link as list item in unordered list

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated frame/controller/content.php

content check and output for multiple material - check formats

- checks content table for contentid and returns available formats
 - eg: image, text...
- new getter and method `content_format_query()` to check for available content formats
 - accepts format and content id as parameters
 - queries DB to get all formats for the content id
 - checks returned results against format parameter and refines results
 - returns results to Loader
 - check for current controller and format, then unset/remove from related content array
- related content array is then passed to `draw_theme()` method
 - allows us to decide where to output and render our related content links
 - passed as parameter to `draw_middle()` method

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated system/library/view.php

content check and output for multiple material - view related content links

- returned related content such as contentimage, contenttext etc is now passed to View class
- related content is then passed from draw_middle() to draw_sidebar()
- related content links are then drawn using draw_related_content() method
 - rendered as now standard unordered list using vertical menu class

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

search form - basic site wide option

- new controller and view for basic search option
- search form added as draw method within View class, which is rendered in header section of site
- frame/controller/search.php accepts user search query and controller as parameters
 - search_row_query() method performs full-text query of content table in DB
 - results returned to Loader class

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

search form - basic site wide option

- new frame/view/search.php handles the rendering of the returned results
- outputs search results as a table using the same template as taxonomy etc
- modified title and description in sidebar to reflect search results and search query
- appends query result as highlight parameter to URI for view text page
 - highlighter plugin highlights search query within matched search result texts

[GitHub Code](#) (highlighter plugin)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

search controller and viewer

- same design pattern as other controllers and viewers
 - frame/controller/search.php and frame/view/search.php
- plugins_lookup updated to enable pager etc for search viewer
- frame/view/search.php outputs search results in a table layout
 - follows same design pattern as frame/view/taxonomy.php
 - link for text modified to include extra parameter for user search query
 - eg: query=brixham
- queries currently match lower and upper case word, query strings are not case sensitive

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

search controller and viewer

- [search example returned results](#) (search query = brixham)
- [search example returned results](#) (search query = town)
- [highlighted search results in content page](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

maps controller and view

- new column in content table and new content type 'map' in content_type table
- new column 'contentmap' accepts latitude and longitude as comma separated value
 - eg: 50.39747,-3.51490
 - this value is used to render map at correct latitude and longitude coordinates
- map controller gets required DB results for specified content id requested by user in URI
eg: map&id=31 (NB: no matching map viewer at the moment...)
- map viewer renders the required map_canvas div for Google Maps API
eg: [content/map&id=31](#)
- map plugin gets coordinates from map_canvas attribute 'coordinates'
 - renders coordinates to sidebar and adds them to maps output
 - map is drawn to map_canvas div

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

maps

- plugins, taxa, related content all applicable in sidebar...
- example can be found at the following URL

[Brixham Harbour map](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

maps in a group - addition of 'atlas'

- maps are now grouped into an 'atlas'
- viewer added for group 'atlas'
 - follows the same pattern as book etc
 - eg: [Brixham maps](#)
- plugins etc can also be developed and easily added for this new group, same as books etc...

[GitHub Code 1](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

[version 0.8 of 402framework](#)

Object Oriented Programming

402framework - v0.8

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 - <https://github.com/digteach/source/tree/master/2015/DIGH402/402framework/v0.8-tabs>
- update database SQL to week 14 - available on GitHub
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Object Oriented Programming

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JQuery UI - Adding tabs to a view

- [frame/view/content](#)
- [tabs plugin](#)
 - show tabs div for content rendering
 - hide tabs span output for plugin name...
- [plugins and plugins_lookup tables](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

[Final version of 402framework - with tabs](#)

Object Oriented Programming

402mini v0.3 - directory & file validation, error handling & exceptions...

[402mini v0.3](#)