DIGH 402 - Introduction to Digital Humanities Design and Programming

Spring Semester 2015

Week 9

PHP and MySQL

Week 7

1. any issues with the current framework and SQL?

2. everything now working correctly for latest code from 402framework repo?

JavaScript Quiz

- Google account login
- URL is as follows,

  http://goo.gl/DiV48t

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

<u>/system/library/view.php - theme.css and theme.js</u>

- check and load user theme in the load_controller() method

- theme initialised in the init_theme() method in Loader class

- in draw_head() method in View class
    - conditional check for theme other than 'default', eg: 'minimal'
    - if conditional boolean is TRUE then draw_theme() method is called

- draw_theme() method draws selected theme CSS and JS files to HTML head element
    - this method checks for presence of theme.css and theme.js files in theme directory

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

/design/themes/minimal/theme.css

- override css styles set in frame.css

- modify size, colour, position etc of elements and classes

- customise framework design and layout as required

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated content loading - loader.php, content.php and new query_builder.php

- new class BuildQuery in /frame/model/query_builder.php
    - adds generic sql query methods

- BuildQuery class now inherited by ContentController class in content.php

- load_controller() method in Loader class updated to output dummy content for non-returned content results
    - this allows the draw_theme() method to be loaded correctly without returned DB results

GitHub Code (query_builder) | GitHub Code (loader)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

updated method scope for inheritance

- method scope has now been set to protected for parent class

    - methods in BuildHTML class in html_builder.php
    - methods in BuildQuery class in query_builder.php

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

content metadata table and content lookup

- new DB table for start of content metadata
    - record metadata per content record initially based on Dublin Core
    - content and metadata record associated in content_lookup table

- output to sidebar for each content selected in current route

- metadata table can be updated with further columns to match
    - publisher
    - contributor
    - format

and so on...

DB Example

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

<u>initialise metadata for content (title/description) for selected route - single field query</u>

- use get_content_field() method again with $format set to required table field
    - eg: name (for content title) and desc (for content description)

- add to new content metadata array $content_meta in Loader class

- pass $content_meta array to View class for use in drawing sidebar, content titles...

- output with div element and class as $format from $content_meta array

- style in default frame.css and override in theme.css if required

GitHub Code

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

<u>/system/library/loader.php - initial load_meta method</u>

- new load_meta() method in Loader class
    - accepts two parameters ($controller and $params)

- called in load-controller() method
    - after conditional check for content and before drawing theme

- method requires new MetadataController class in metadata.php class

- gets metadata results from DB for $controller.meta table (eg: content_meta) for specified field

- merges returned array of DB results with Loader class property of $content_meta

- $content_meta can now be used to update and output metadata results in the sidebar

[GitHub Code](#)

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

/frame/controller/metadata.php - initial MetadataController class

- new class to handle generic retrieval of metadata from DB
    - could be retrieved from content_meta or users_meta DB tables etc…

- inherits BuildQuery class

- allows metadata query against DB for ?_lookup and ?_meta
    - abstracts query against user selected route in URL
    - eg: content_lookup and content_meta

- returns DB results using a getter method

GitHub Code

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

/system/library/view.php - initial draw_meta method

- accepts $content_meta array as parameter
    - this can be full metadata including content title and description or just metadata from required metadata table, eg: content_meta

- uses BuildHTML to create required html elements for metadata in $content_meta array
    - foreach loop for array

- outputs array values for metadata as required

- currently called from draw_sidebar() method

GitHub Code

Object Oriented Programming

Working framework so far...v0.4

[Home Page](#)

[Output Image Content](#)

[Output Text Content](#)