



CENTER FOR TEXTUAL STUDIES AND DIGITAL HUMANITIES

402 - Introduction to Digital Humanities Design and Programming

Spring Semester 2016

402mini - Part 1 (v0.1)

402mini

A fun, mini framework for testing basic PHP routing...

Object Oriented Programming

Object Oriented Programming - Abstract overview of current framework structure

PHP exercise - v. lightweight content loader

Part 1

[402mini](#)

- create an index.php file
- create separate files for htmlHeader.php and htmlFooter.php
- create a separate file for directory loader - dirLoader.php
- create a separate file for content format - contentFormat.php
- create a separate file for content rendering - content.php
- create a separate file for text reader - txtReader.php
- create a new directory called 'txt'
 - create a text file called 'lorem.txt'
 - add some dummy text from <http://www.lipsum.com/>, or favourite poem etc...
- download Bootstrap files
 - create new directory called 'assets'
 - unzip and copy 'css', 'fonts', and 'js' to assets directory
- create a separate file for css stylesheet - frame.css
 - save to assets/css/frame.css

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Part 2 - htmlHeader.php & htmlFooter.php

1. htmlHeader.php
 - add basic HTML for <html>, <head>, <title>
 - add css links
 - js links will be later...
 - close <head> element
 - add <body> element
 - add <div> element with a class of “wrapper”
 - add basic site heading
 - *NB: no metadata at the moment...
2. htmlFooter.php
 - add closing element tags for body and html

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Part 3 - dirLoader.php

1. dirLoader.php
 - specify parameters etc...
 - create getter function to check specified directory
 - iterate over directory
 - return filenames

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Part 4 - contentFormat.php, content.php

1. contentFormat.php
 - create parameters etc
 - create function to create table for content display
 - headers
 - rows and columns...
 - return result to index.php
2. content.php
 - check URI content and GET variables
 - require specified content type Reader, eg: txtReader.php
 - instantiate object of content type Reader
 - pass GET variables to txtReader getter
 - output returned Reader content
 - add error check for empty URI variables, eg: just content.php request...

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Part 5 - contentFormat.php, content.php & txtReader.php

1. txtReader.php

- create required class properties for rendered and file content
- create getter function to return prepared content for rendering
- prepare_content function accepts two parameters for name and type
 - calls abstracted prepare function, eg: prepare_txt
- prepare_txt function calls generic file_contents function to get file contents
 - uses return file contents
 - sets title for file and text
 - wraps the text in a div with a txt_content class
 - sets class property for rendered content

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Part 6 - index.php

1. index.php

- require dirLoader.php & contentFormat.php
- set variables for text directory and table headers
- instantiate object for DirLoader class
 - call getter function on object
 - 1. pass directory name parameter
 - handle returned directory content
- instantiate object for ContentFormat class
 - call getter function on object
 - 1. pass texts and table headers
- require htmlHeader.php
- output returned, formatted content
- require htmlFooter.php

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Part 7 - frame.css & one more txt file

1. frame.css

- add some styling for
 - body
 - wrapper class
 - #content element
 - table
 - #mini_menu element

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Part 8 - Quick test

- Test final application - [402mini v0.1](#)