Q – QUARTERMASTER

WEB SERVICES FOR EVERY OCCASION

Q-BRANCH

WING MING CHAN'S CASCADE WEB SERVICES IN PHP

GREAT.
NOW WHAT?

MARKDOWN

daringfireball.net/projects/markdown/

(specifically Parsedown)

This is bold
This Is Italic
This is a header
[And a link](http://…)

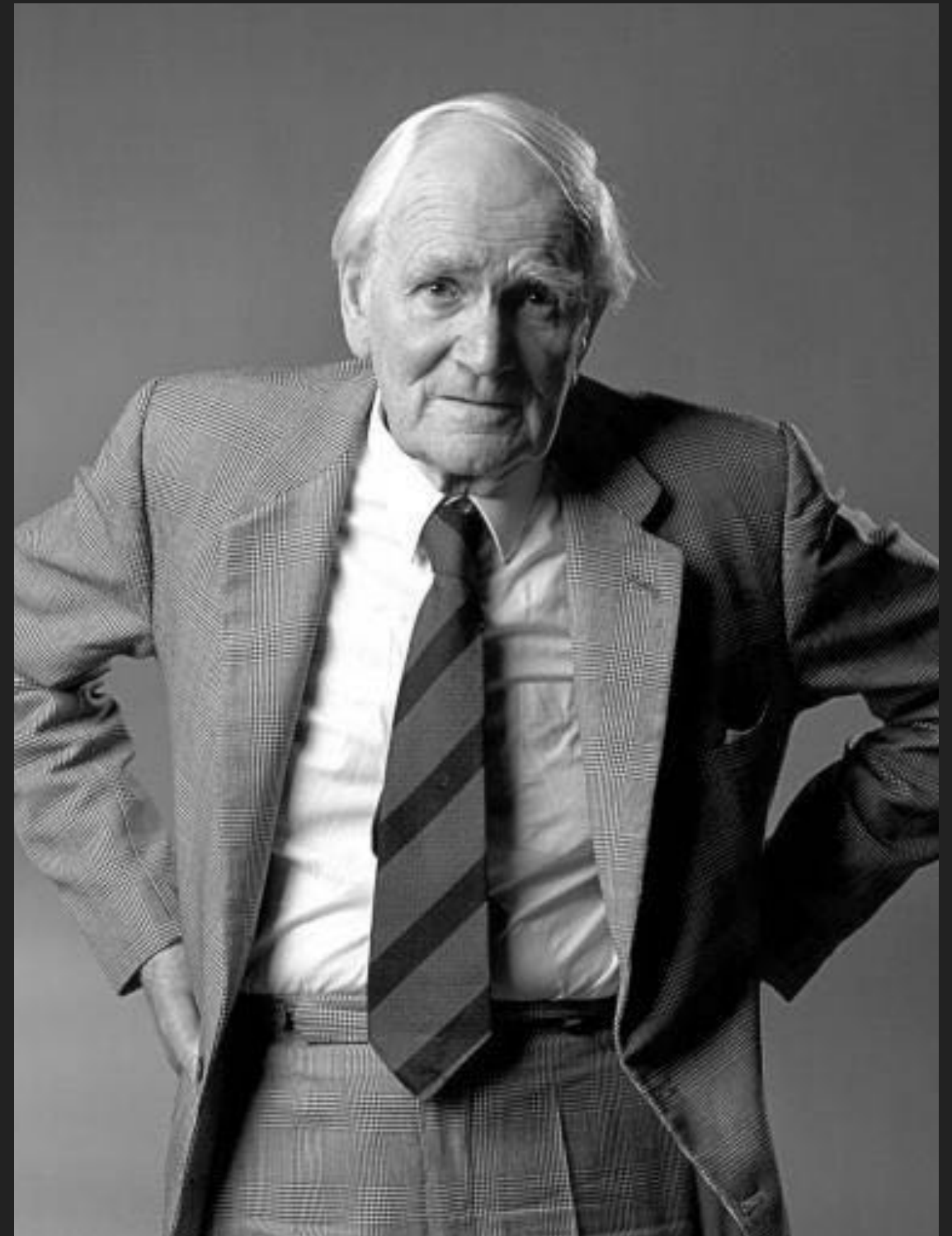Markdown basics

TERMINAL

WHY NOT USE THE WYSIWYG?

BLOCKMAKER

MARKDOWN TO WYSIWYG BLOCKS

Takes plain text
Markdown document

Converts to HTML

Breaks up content at
<hr>

Creates WYSIWYG block
with **<h1>** as block name

Admission Intro

At Christopher Newport you'll learn the answers to two very important questions: *What am I good at? and What do I love to do? * Whatever your passions lead you to study — from engineering to philosophy, from music to accounting — the liberal arts and sciences are the foundation of your academic endeavors. Here we don't teach you to do something; we prepare you to do _anything_.

IN TERMINAL

```
blockMaker$ php index.php Admission test.txt
```

IN TERMINAL

`blockMaker$ php index.php Admission test.txt`

Folder

IN TERMINAL

```
blockMaker$ php index.php Admission test.txt
```

Use PHP

IN TERMINAL

```
blockMaker$ php index.php Admission test.txt
```

The PHP File

IN TERMINAL

```
blockMaker$ php index.php Admission test.txt
```

The folder in the "content" site

IN TERMINAL

`blockMaker$ php index.php Admission test.txt`

Markdown file

```php
<?php
$Parsedown = new Parsedown();
$folderName = $argv[1];
$html = $Parsedown->
    text($folderParameter);
$rows = preg_split(...,
    $html, -1, preg_split_offset_capture
    | PREG_SPLIT_DELIM_CAPTURE |
PREG_SPLIT_NO_EMPTY);
```

Get Parsedown ready

PHP

```php
<?php
$Parsedown = new Parsedown();

$folderName = $argv[1];

$html = $Parsedown->

    text($folderParameter);

$rows = preg_split('/\n/',

    $html, -1, preg_split_offset_capture

    | PREG_SPLIT_DELIM_CAPTURE |

    PREG_SPLIT_NO_EMPTY);
```

Get the folder name

```php
<?php
$Parsedown = new Parsedown();
$folderName = $argv[1];
$html = $Parsedown->
    text($folderParameter);
$rows = preg_split('/<hr \/>/',
    $html, -1, preg_split_offset_capture
    | PREG_SPLIT_DELIM_CAPTURE |
    PREG_SPLIT_NO_EMPTY);
```

Convert Markdown to HTML

```php
<?php

$Parsedown = new Parsedown();

$folderName = $argv[1];

$html = $Parsedown->

    text($folderParameter);

$rows = preg_split('/<hr \/>/',

    $html, -1, preg_split_offset_capture

    | PREG_SPLIT_DELIM_CAPTURE |

    PREG_SPLIT_NO_EMPTY);
```

Split at the <hr /> tag

```
foreach($rows as $row) {

    preg_match('/^<h[1-4]>(.*)<\/h[1-4]>$/m',
$row, $title);

    $blockTitle = preg_replace('/[^\w]/', '',
$title[1]);

    $data_definition = $cascade->getAsset(
        a\DataDefinition::TYPE
```

Find the first header tag.

```
        "widgets/widget", $__main );
    $block_folder = $cascade->getAsset(
```

Make that the block title

```
        $baseFolder->getId(), $siteName );
```

```
foreach($rows as $row) {

$row, $title);

    $blockTitle                /[^\w]/', '',
$title[1]);
```

Getting the Data Definition and Folder

```
        $data_definition = $cascade->getAsset(
                a\DataDefinition::TYPE,
                'widgets/widget', '__main' );
        $block_folder = $cascade->getAsset(
                a\Folder::TYPE,
                $baseFolder->getId(), $siteName );
```

```
$cascade->

createDataDefinitionBlock(

    $block_folder, $blockTitle,

    $data_definition )->

      setText('type', 'Generic')->

      setText( 'content', $row )->

      edit();

}
```

INPUT

OUTPUT

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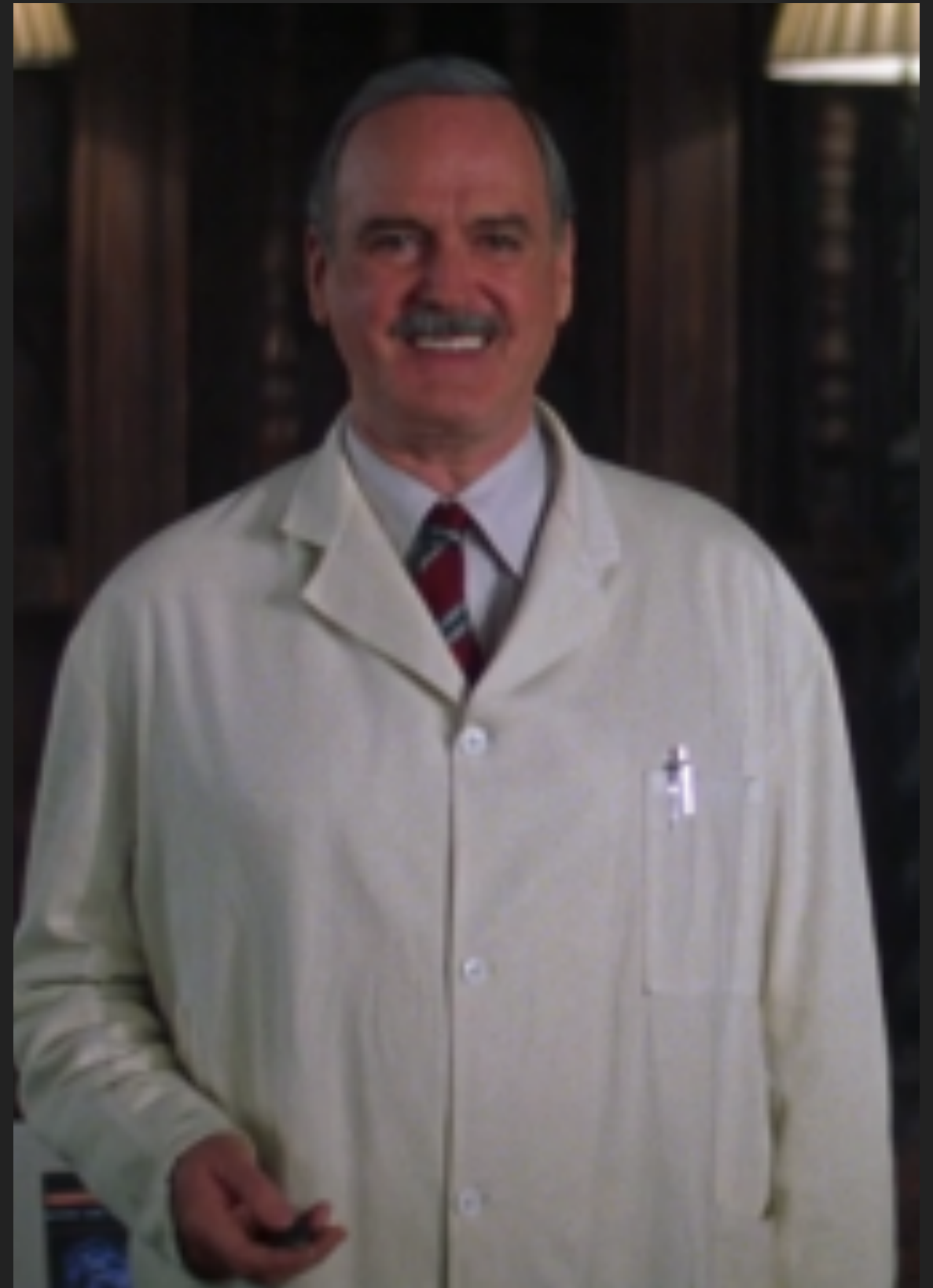
Content

At Christopher Newport you'll learn the answers to two very important questions: **What am I good at? and What do I love to do?** Whatever your passions lead you to study – from engineering to leadership, from music to accounting – the liberal arts and sciences are the foundation of your academic endeavors. Here we don't teach you to do something; we prepare you to do anything.

LEARNMAKER

CSV TO "LEARN MORE" LINK BLOCK

- Formatted CSV is parsed

- Block is created

- Links are built based on whether internal or external

THE CSV FILE

Link Type (I/E)	Internal Site Name	Internal Link Path	Internal Type (P/F)	Internal Anchor	External URL	Link text - Custom
I	Admin - Visit	directions/ index	P			Directions to Campus

IN TERMINAL

```
learnmaker$ php index.php -run learn.csv ↵
         ⎵
[_content/Folder ID] [block name]
```

Folder

IN TERMINAL

learnmaker$ php index.php -run learn.csv ↵

[_content/Folder ID] [block name]

Use PHP

IN TERMINAL

```
learnmaker$ php index.php -run learn.csv ↵

[_content/Folder ID] [block name]
```

The PHP File

IN TERMINAL

```
learnmaker$ php index.php -run learn.csv ↵
```

`[_content/Folder ID] [block name]`

Run flag

IN TERMINAL

learnmaker$ php index.php -run learn.csv ↩

[_content/Folder ID] [block name]

CSV File

IN TERMINAL

`learnmaker$` `php index.php -run learn.csv ↵`

`[_content/Folder ID] [block name]`

The folder

IN TERMINAL

```
learnmaker$ php index.php -run learn.csv ↵

[_content/Folder ID] [block name]
```

The block name

THIS ONE IS A LITTLE MORE COMPLEX...

FULL SOURCE CODE IS AVAILABLE

SOME IMPORTANT THINGS . . .

FIRST LINK

```php
echo 'Should be setting the link fields…' . PHP_EOL;

echo $externalURL . PHP_EOL;

$linkType = 'External';

echo $linkType . PHP_EOL;

$learnMoreBlock->

setText(

    'link;0;link-type',

    $linkType )->

setLinkable(

    'link;0;internal',

    NULL )->

setText(

    'link;0;external',

    $externalURL )->

setText(

    'link;0;link-text-chooser',

    'Custom Text' )->

setText(

    'link;0;custom',

    $linkText )->

edit(); // Commit!

$siblings++;
```

SECOND + LINKS

```php
echo $externalURL . PHP_EOL;

$linkType = 'External';

echo $linkType . PHP_EOL;

$learnMoreBlock->appendSibling( 'link;0' )->

setText(

    'link;' . $siblings . ';link-type',

    $linkType )->

setLinkable(

    'link;' . $siblings . ';internal',

    NULL )->

setText(

    'link;' . $siblings . ';external',

    $externalURL )->

setText(

    'link;' . $siblings . ';link-text-chooser',

    'Custom Text' )->

setText(

    'link;' . $siblings . ';custom',

    $linkText )->

edit(); // Commit!

$siblings++;
```

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    NULL )->

setText(

    'link;0;external',

    $externalURL )->

setText(

    'link;0;link-text-chooser',

    'Custom Text' )->

setText(

    'link;0;custom',

    $linkText )->

edit(); // Commit!

$siblings++;
```

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```php
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    'link;' . $siblings . ';link-type',

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setLinkable(

    'link;' . $siblings . ';internal',

    NULL )->

setText(

    'link;' . $siblings . ';external',

    $externalURL )->

setText(

    'link;' . $siblings . ';link-text-chooser',

    'Custom Text' )->

setText(

    'link;' . $siblings . ';custom',

    $linkText )->

edit(); // Commit!

$siblings++;
```

YOU HAVE TO COUNT THE SIBLINGS.

FACULTYMAKER

BUILDS FACULTY PROFILE PAGES

- Pulls data from Digital Measures

- Parses data into Data Definition Block

- Adds faculty photo Data Definition Block

- Creates Folder and Page

- Adds both Data Definition Block to page

I'M AFRAID I'M A COMPLICATED WOMAN.

Vesper Lynd

- Faculty update their profile data in Digital Measures, using Markdown

- Data is pulled as part of a scheduled task

- Publish happens as part of a scheduled publish set

- Faculty photos are identified by a hash of their ID number

  - No ID numbers published

  - Collisions are avoided

- New profiles are created automatically

- Automatically updated profiles

- Customizable department metadata

- Unlimited degrees

- Bios

- Teaching and Research focuses

- Faculty update their data

- Consistent presentation, consistent degrees, consistent titles

- Addition of publications and presentations

- Automated removal

THANK YOU, BUT THIS TIME I HAVE THE GADGETS AND I KNOW HOW TO USE THEM.

JAMES BOND

REMEMBER, IF IT HADN'T BEEN FOR Q BRANCH, YOU'D HAVE BEEN DEAD LONG AGO.

Q

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