

CMPT 165

INTRODUCTION TO THE INTERNET AND THE WORLD WIDE WEB



Special Topic 2 Markdown

Topics

1. Markdown? Why?
2. Website and Editors
3. Markdown Syntax
4. Converting report.txt Demo

Markdown

Created by John Gruber in 2004

Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid XHTML (or HTML).— John Gruber

BUT there are a lot of variations out there...

Reasons for Markdown

- Easier to read markdown documents
- Easier to remember syntax
- Easier to markup as you are writing
- Integrate programming with documentation

Results in:

- Fewer errors are made
- Allows focus on continually creating content
- Can convert to HTML that is valid or other formats

HTML vs Markdown

HTML

```
<h1>Why <em>you</em> should use Markdown to write your next blog post</h1>
```

```
<p><a href="http://daringfireball.net/projects/markdown/">Markdown</a> is just so dang legible, it will make your <em>whole life</em> easier. <strong>I promise.</strong></p>
```

Markdown

```
# Why *you* should use Markdown to write your next blog post
```

```
[Markdown][1] is just so dang legible, it will make your *whole life* easier. **I promise.**
```

```
[1]: http://daringfireball.net/projects/markdown/basics
```

Site That Use It

- **Wikipedia** (<http://www.wikipedia.org>)
 - Used to write all encyclopedia articles
 - Has add-ons like math notation, tables ([Creole](#))
- **GitHub** (<https://github.com>)
 - Use to write rich help files
 - Has its own extensions: <https://help.github.com/articles/github-flavored-markdown/>
- **Torchpad** (<https://torchpad.com>)
 - Use markdown do create your own wiki
 - Work with others to create an

Editors

- Mac OSX and iOS Editors:
 - **iA Writer Po:** <http://writer.pro>
- Windows Editors:
 - **MarkdownPad:** <http://markdownpad.com>
- Online Editors:
 - **Dingus:** <http://daringfireball.net/projects/markdown/dingus>
 - **Dillinger:** <http://dillinger.io>

R Markdown: <http://rmarkdown.rstudio.com>

Headings

Heading

Sub-heading.. (up to 6 # characters)

OR

This is an H1

=====

This is an H2

Numbered Lists

1. Ordered list item

8. The number used is not important

1.1. A nested list item..

1. A tab-nested list item..

Bulleted Lists

- * Unordered list item
- You can also use - or +
- ** A nested list item..
 - * A tab-nested list item..

Task Lists

- [] An uncompleted task list item
- [x] A completed task list item
- [x] A nested task list item..
 - [x] A tab-nested task list item..

Inline Formatting

`*Asterisks*` or `_underscores_` for emphasis (=italic).

Two `**asterisks**` or `__underscores__` for strong (=bold).

`~~Double tildes~~` for strikethrough.

``Backticks`` for code (other inline formatting in code is not exported).

Links

Inline link: [iA Writer Pro's website]
(<http://www.writer.pro/>)

Reference link: [iA Writer Pro's website]
[wp]. The reference link URL can be at the
end of the document, for example:

[wp]: <http://www.writer.pro/>

Links, continued

I get 10 times more traffic from [Google] [1] than from [Yahoo] [2] or [MSN] [3].

[1]:	http://google.com/	"Google"
[2]:	http://search.yahoo.com/	"Yahoo!"
[3]:	http://search.msn.com/	"MSN Search"

Footnotes

A footnote has a caret and number^[^1]. Then add the URL like a reference link, for example:

^[^1]: The number is not important.

Images

Image: ![iA Writer Pro's logo](http://www.writer.pro/logo.png)

Reference link image: ![iA Writer Pro's logo][logo]. The image URL can be at the end of the document, for example:

[logo]: <http://www.writer.pro/logo.png>

Blockquotes

> A blockquote

>> A nested blockquote

Blockquotes can contain other Markdown elements:

> ## This is a header.

Code Blocks

A code block (four spaces or a tab at the start of a line).

Formatting in space-indented code blocks is *ignored*.

OR

```

A fenced code block begins `_and_` ends with triple backticks.

```

Horizontal Rules

Any combination of three or more asterisks or hyphens, with optional spaces, on a line.
For example:

* * *

- - -

Summary

Markdown is a simple less cluttered way of adding structure to content.



QUESTIONS?