CMPT 165
INTRODUCTION TO THE
INTERNET AND THE
WORLD WIDE WEB

Special Topic 2
Markdown

Copyright © 2015s by Stephen Makonin
Slides based on course material © SFU
Icons © their respective owners
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](http://writer.pro)

• Windows Editors:
  • MarkdownPad: [http://markdownpad.com](http://markdownpad.com)

• Online Editors:
  • Dingus: [http://daringfireball.net/projects/markdown/dingus](http://daringfireball.net/projects/markdown/dingus)
  • Dillinger: [http://dillinger.io](http://dillinger.io)

R Markdown: [http://rmarkdown.rstudio.com](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](http://www.writer.pro/logo.png). 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:

* * *

*****

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