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W01D1 Lecture Notes: Welcome to Bootcamp!

1 message

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Welcome to Bootcamp!

Today was your first real lecture at bootcamp!

We started off talking about how the curriculum is structured and evaluated. The link to the slides is down below. Then, we talked about the importance of fluency with your tools and how much it makes a difference when you are able to present yourself as a competent technologist by being in command of your development environment. In a lot of ways, this comes down to the use of keyboard shortcuts. Here are a few of the more important ones that we talked about:

- Cmd-X/Cmd-C/Cmd-V for cut, copy, and paste respectively
- Cmd-Tab for swapping between applications
- Cmd-Shift-]/Cmd-Shift-[for moving between tabs in any tabbed application
- Cmd-T - Your **best friend** in Sublime, for finding and jumping to files by filename
- Cmd-/ for commenting out code in a syntax-aware manner

There are several really cool ones as well:

- Cmd-D for multi-cursor editing
- Cmd-F for finding and editing content
- Cmd-P for sending commands to Sublime, such as changing the syntax of a file

Slides about curriculum & evaluation can be found [here](#)

The bulk of today's lecture was spent talking about `git`, as a tool for version control.

Version Control Systems

- VCS - Version Control System
- SCM - Source-Code Management
- `project.doc`
- `project (1).doc`
- `project (1)-rev.doc`
- `project (1)-rev-v2-updated.doc`
- `project (14)-rev-v88-dons-changes-oh-please-help.doc`

Wouldn't it be better if we just had...

`project.doc` - Timeline of changes

Other VCS

- CVS - Concurrent Version Systems
- SVN - Subversion
- Microsoft SourceSafe
- Mercurial (also called "hg")

git History

2006 - BitKeeper was the VCS for the Linux Kernel

Linus Torvalds was the author. Also wrote... the Linux kernel.

Timeline

- Apr 3, 2006 - Linus says he's going to write his own
- Apr 6, 2006 - Linus announces he's finished
- Apr 9, 2006 - git became self-hosting
- Apr 12, 2006 - First release of Linux kernel, using git

git (n.) - British slang for an objectionable person

git goals

- Fast
- Distributed
- Secure
- Smart

git commands

- git init
- git status
- git add
- git commit
- git checkout
- git branch
- git merge
- git remote
- git push
- git pull
- git log

Here is a [link](#) to a cheatsheet that documents some git commands (and talks about the fast-forward effect).

Here is the [repo](#) we created in class. Here is a link to [Sublime Tutor](#) that you can use to practice in Sublime.

And finally, here is the [terminal output](#). <https://web.compass.lighthouselabs.ca/days/w01d1/activities/241>

Don Burks