

# Code 102: Intro to Software Development

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Class 02

# Agenda



## 1. Review of previous class

- Share your learning

## 2. Developer Tools

- Text Editor
- Terminal
- Discussion Exercise

## 3. Installfest!

- Operating Systems
- Lab: Install and Configure

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# <review>

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What did you learn?

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# Power Tools

“I think one of the things that really separates us from the high primates is that we’re tool builders. I read a study that measured the efficiency of locomotion for various species on the planet. The condor used the least energy to move a kilometer. Humans came in with a rather unimpressive showing, about a third of the way down the list. So, that didn’t look so good. But, then somebody at Scientific American had the insight to test the efficiency of locomotion for a man on a bicycle. And a human on a bicycle blew the condor away, completely off the top of the charts.

“And that’s what a computer is to me. What a computer is to me is it’s the most remarkable tool that we’ve ever come up with, and it’s the equivalent of a bicycle for our minds.”

**—Steve Jobs, 1990**



More: <https://www.brainpickings.org/2011/12/21/steve-jobs-bicycle-for-the-mind-1990/>

# Text Editors

...There are many... Can you name some?

## Word Processors

- Microsoft Word
- Google Docs
- Apple Pages
- WordPerfect?
- ...and many more

## Code Editors

- GitHub's Atom
- Microsoft's VS Code, Visual Studio
- Notepad++
- Vim, Emacs, Nano, TextMate
- ...and many more



# The Terminal

AKA: The Command Line Interface (cli)

## File Explorer Tasks:

- Find files
- Change directories
- Move and copy files
- Open files
- Make new files / folders

## Terminal Tasks:

- Find files, or file content
- Change directories
- Move and copy files
- Open files
- Make new files and folders
- ...and much much more





**<demo>**  
**<exercise>**



Can you see why it matters?

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# The Power of Abstraction



Ignore  
Details  
In  
Layers  
Above  
And  
Below

# <exercise>



**Installfest!**