# FEWD

# Front End Web Development

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# What is the Internet?

"...a global system of interconnected computer networks..."

# What is the
# World Wide Web?

"...interlinked hypertext documents...accessed via the Internet..."

Wikipedia - http://en.wikipedia.org/wiki/World_Wide_Web

# What The Web Is Not

- **Email***
- **FTP**
- **IM**
- **Usenet**

# What is the
# Front End?

# "...an interface between the user and the back end."

Wikipedia - http://en.wikipedia.org/wiki/Front_and_back_ends

# Front End Roles

- **Designer**
- **Developer**

# Web Site Life Cycle

1. Planning
2. Design
3. Development
4. Testing & Launch
5. Maintenance

# Front End Responsibilities

- **Accessibility**
- **Presentation**
- **Functionality**
- **Performance**
- **Compatibility**

# Web Technologies

- **HTML -** *Content & Structure*
- **CSS -** *Layout & Style*
- **JavaScript -** *Behavior & Interaction*

# HTML
## Content & Structure

```
<!doctype html>
<html>
  <head>
    <title>About</title>
  </head>
  <body>
    <a href="home.html">Brand</a>
  </body>
</html>
```

# CSS
**Layout & Style**

```css
.logo {
    background: url(../images/logo.png);
    display: block;
    height: 30px;
    text-indent: -99999px;
    width: 100px;
}
```

# JS

**Behavior & Interaction**

```js
var today = new Date();
alert(date.toString());
```

# Tools of the
# Trade

- **Web Browser(s)**
- **Text Editor**
- **FTP Client**
- **Command Line Utilities**
- **Image Editor(s)**

# Web Browsers

- **Firefox -** *Mac & PC*
- **Chrome -** *Mac & PC*
- **Opera -** *Mac & PC*
- **Safari -** *Mac*
- **Internet Explorer (IE) -** *PC*

# Text Editors

- **Coda 2 -** *Mac*
- **Sublime Text 2 -** *Mac & PC*
- **TextMate -** *Mac*
- **Brackets -** *Mac & PC*
- **Notepad -** *PC*
- **TextEdit -** *Mac*

# FTP Clients

- **FileZilla -** *Mac & PC*
- **Classic FTP -** *Mac & PC*
- **Transmit -** *Mac*
- **Fetch -** *Mac*

# Command Line Utilities

- **GIT -** *Version Control*
- **Bower -** *Package Management*
- **Grunt -** *Automation*
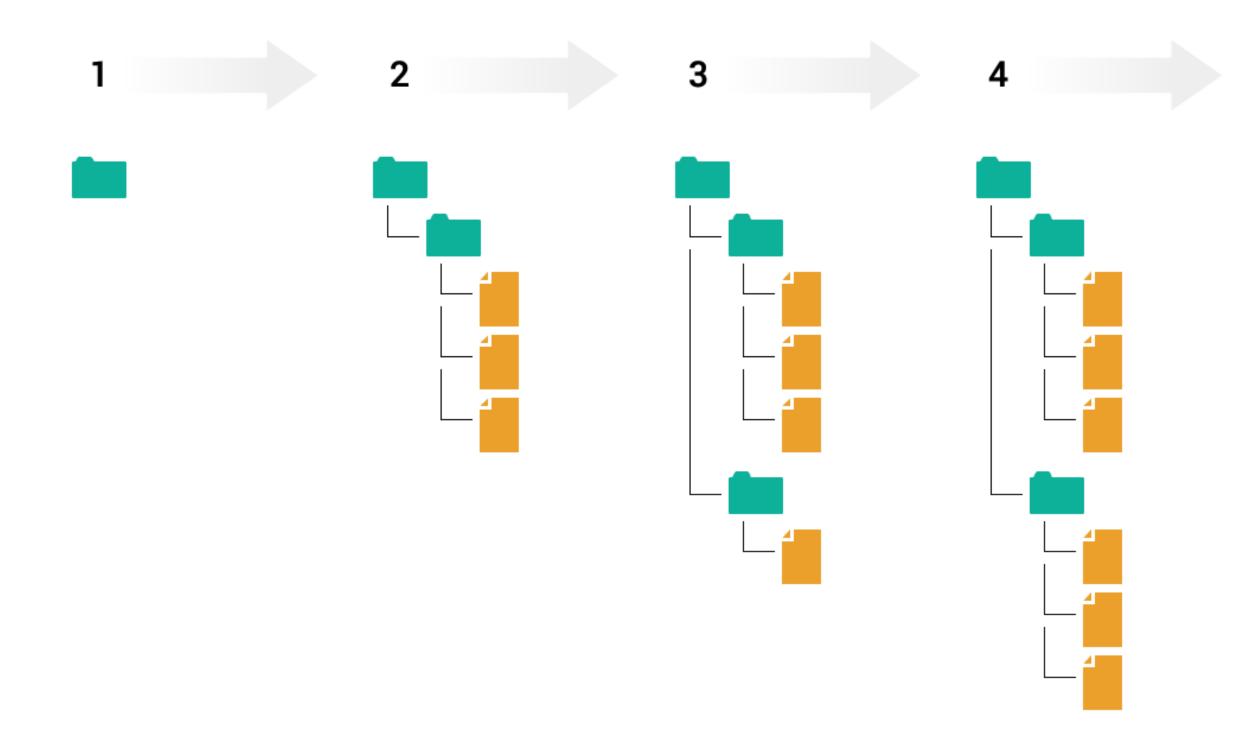
# Download
# & Install

# What is the Version Control?

# "... the management of changes to ... collections of information."

Wikipedia - http://en.wikipedia.org/wiki/Version_control

# Benefits of Version Control

- Backup and Restore
- Synchronization
- Undo - short and long term
- Track Changes and Ownership
- Sandboxing
- Branching and merging

Try

Git