Computer Science S-75 Building Dynamic Websites

Harvard Summer School

https://www.cs75.net/

Lecture 0: HTTP

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DNS



DNS

- A
- CNAME
- MX
- NS
- **...**

Prerequisites

 Multiple years of programming experience in any language; comfort with HTML and CSS

Expectations

- Attend all lectures
- Implement three projects

Lectures

- Lecture 0: HTTP
- Lecture 1: PHP
- Lecture 2: PHP, Continued
- Lecture 3: XML
- Lecture 4: SQL
- Lecture 5: SQL, Continued
- Lecture 6: JavaScript
- Lecture 7: Ajax
- Lecture 8: Security
- Lecture 9: Scalability

Sections, Office Hours

- Mondays, after lecture
- Wednesdays, after lecture

Projects

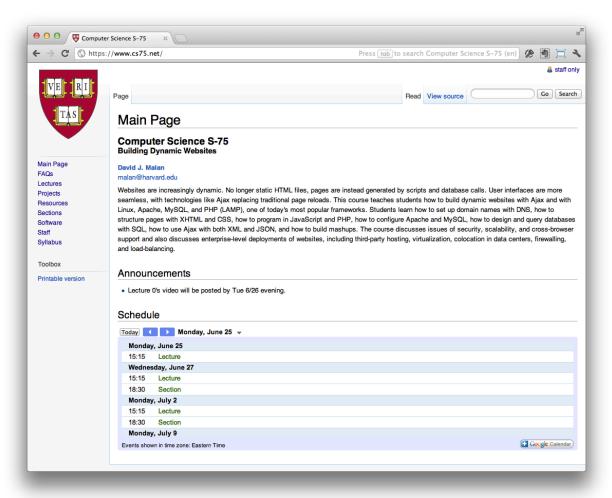
- Project 0
- Project 1
- Project 2

Grades

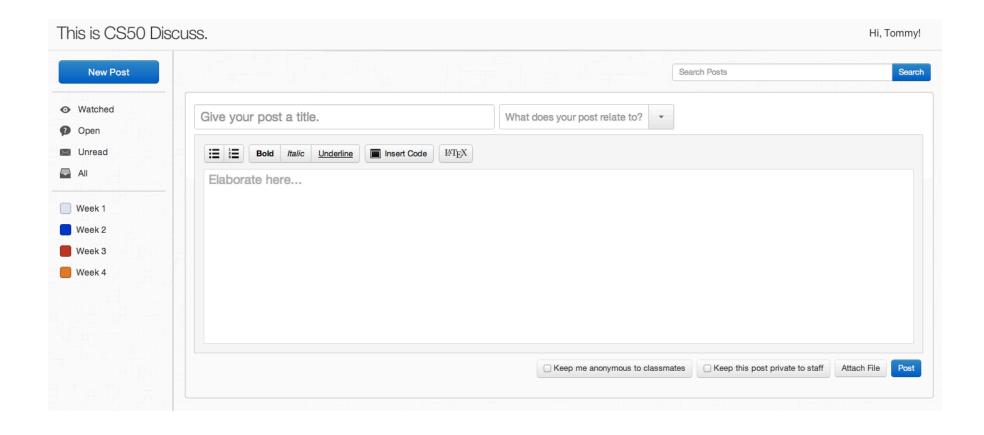
- Scope
- Correctness
- Design
- Style

scope \times (3 \times correctness + 2 \times design + 1 \times style)

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CS50 Discuss



Web Hosts



Virtual Private Servers

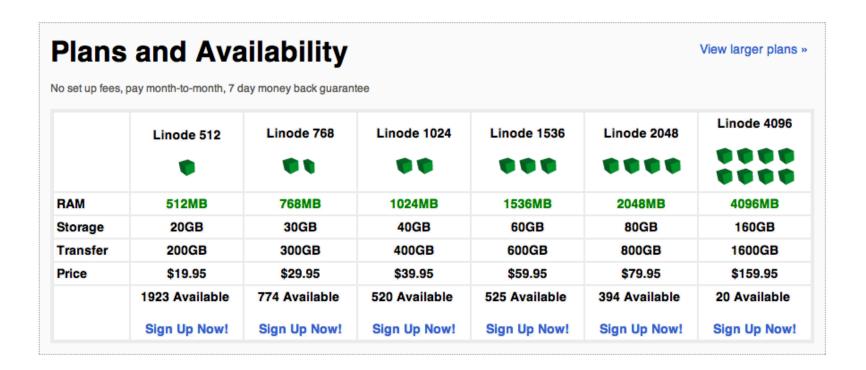
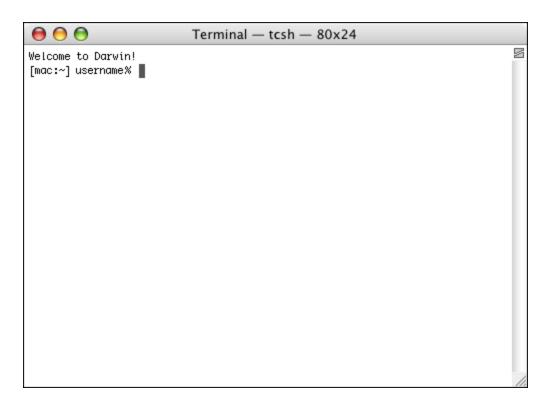


Image from linode.com.

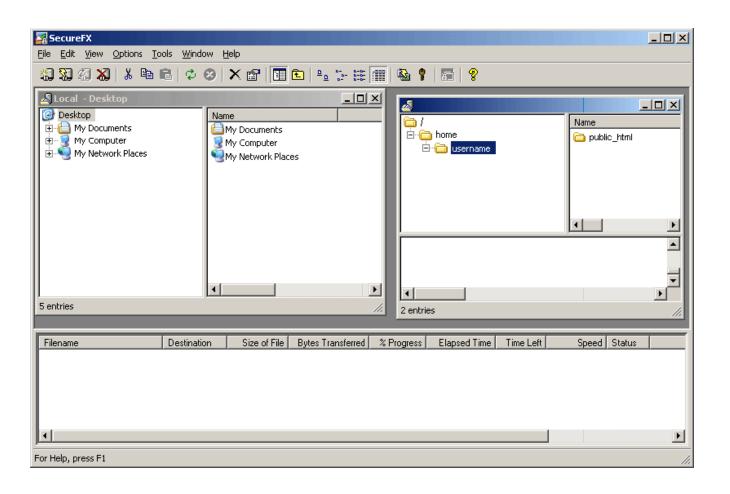
CS50 Appliance



SSH



SFTP



Forms

- Text Fields <input name="email" type="text" />
- Password Fields <input name="password" type="password" />
- Hidden Fields <input name="id" value="123" />
- Checkboxes
 <input checked="checked" name="remember" type="checkbox" />
- Radio Buttons

```
<input name="gender" type="radio" value="F" /> <input name="gender" type="radio" value="M" />
```

Drop-Down Menus

```
<select name="state">
  <option value=""></option>
  <option value="MA"></option>
  <option value="NY"></option>
  </select>
```

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