Computer Science S-75
Building Dynamic Websites

Harvard Summer School
https://www.cs75.net/

Lecture 0: HTTP

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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

\[ \text{scope} \times (3 \times \text{correctness} + 2 \times \text{design} + 1 \times \text{style}) \]
CS50 Discuss

This is CS50 Discuss.

Give your post a title.

Elaborate here...

 Holtm
# Web Hosts

## Shared – All this for just $8.95 per month!

### Core Resources

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disk Storage</td>
<td>Unlimited TB + 50GB Backups</td>
</tr>
<tr>
<td>Monthly Bandwidth</td>
<td>Unlimited TB</td>
</tr>
<tr>
<td>Domains Hosted</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Full Shell / SSH / FTP / SFTP Users</td>
<td>Unlimited</td>
</tr>
<tr>
<td>E-Mail Accounts (POP/IMAP/Webmail)</td>
<td>Unlimited</td>
</tr>
<tr>
<td>MySQL 5 Databases</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Operating System</td>
<td>Debian Linux</td>
</tr>
</tbody>
</table>

Show More
# Virtual Private Servers

## Plans and Availability

No set up fees, pay month-to-month, 7 day money back guarantee

<table>
<thead>
<tr>
<th>Plan</th>
<th>Linode 512</th>
<th>Linode 768</th>
<th>Linode 1024</th>
<th>Linode 1536</th>
<th>Linode 2048</th>
<th>Linode 4096</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM (GB)</td>
<td>512</td>
<td>768</td>
<td>1024</td>
<td>1536</td>
<td>2048</td>
<td>4096</td>
</tr>
<tr>
<td>Storage (GB)</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>160</td>
</tr>
<tr>
<td>Transfer (GB)</td>
<td>200</td>
<td>300</td>
<td>400</td>
<td>600</td>
<td>800</td>
<td>1600</td>
</tr>
<tr>
<td>Price ($)</td>
<td>$19.95</td>
<td>$29.95</td>
<td>$39.95</td>
<td>$59.95</td>
<td>$79.95</td>
<td>$159.95</td>
</tr>
<tr>
<td>Availability</td>
<td>1923 Available</td>
<td>774 Available</td>
<td>520 Available</td>
<td>525 Available</td>
<td>394 Available</td>
<td>20 Available</td>
</tr>
</tbody>
</table>


Image from linode.com.
CS50 Appliance
SSH
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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