CS320 Web and Internet Programming
Introduction to Server-side Programming

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Web

HTTP Server

HTTP request

HTTP response

Browser

htdocs
welcome.html
\cs320stu31
index.html

URL

http://cs.calstatela.edu:8080/cs320stu31/index.html

HTML

<html>
  <head><title>CS320 Hello</title></head>
  <body>
    Welcome to <b>CS320</b>!
  </body>
</html>

Dynamic Content

- Web search results
- Shopping cart
- ...
- Anything that need to be generated on the fly based on user request

Deliver Dynamic Content

HTTP Server

HTTP request

HTTP response

Browser

program

input

output
## Technology

<table>
<thead>
<tr>
<th>Technology</th>
<th>Old</th>
<th>Mainstream</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGI</td>
<td></td>
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<tr>
<td>C, Perl</td>
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<tr>
<td>Java</td>
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<td>Servlet/JSP</td>
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<td>ASP.NET</td>
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<td>VB, C#</td>
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<td>Ruby</td>
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## Terminology

- Application server
  - Servlet container
- Server-side programming vs. Client-side programming