Browsing the Web

URL

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

How the Web Works

HTTP Server

Browser

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

Browser

HTTP Server

HTTP request

HTTP response

program

Terminology

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

Server-side Technologies

- CGI
  - C, Perl
- Java
  - Servlet/JSP
- ASP.NET
  - VB, C#
- PHP
- Ruby
- Python

old

mainstream

new