CS 241 Section
(04/19/12)

MP8

‣ Web Server
  ‣ **Due:** Tuesday, May 1st, 11:59pm

‣ What will you be doing?
  ‣ Creating a web-server in C that serves HTML pages and a few types of files found on the web.

  ‣ You won't test your program using a console!
    ‣ To test: you'll open up a web browser (such as Firefox, Chrome, IE, it doesn't matter) and connect to your program.
    ‣ You can also use wget to debug if IE / Firefox not working:
      ☐ wget –d http://linux#.ews.illinois.edu

MP8

▸ MP8 has you create a web **server**.

▸ In today's programming example, we'll create a web **server** that gets an HTTP request and prints that to the console.

  ▸ Preliminary step for your MP 8.

Discussion Section Coding

Network Choices

▸ **In main lecture,** you have seen two different protocols:
  ▸ TCP
  ▸ UDP

  …what are the differences?
  …which one do we want to use for a web client?

Network Choices

▶ **In main lecture,** you have seen two different roles:

- ▶ Server:
  - ▶ socket()
  - ▶ bind()
  - ▶ listen()
  - ▶ accept()

- ▶ Client:
  - ▶ gethostbyname() / getaddinfo()
  - ▶ socket()
  - ▶ connect()

Programming!

▸ In the ds/ds11/ directory, you'll find **1.c**.

▸ Goal:

  ▸ Create a program to read HTTP request from a client and print that out.