Today

- Search Engines (3 papers)
- Schedule for semester
- Student Topics
- Break
- Spiders (3 papers)
- Homework
- For next week (Monday)
- For next week (Wednesday)
Schedule for rest of semester

- Mon Nov 12 – Backbone characteristics/Multimedia Streaming
- Wed Nov 14 – Dynamic Content/Peer-to-Peer
- Mon Nov 19 – Measurement and Evaluation
- Mon Nov 26 – Measurement and Evaluation/Network Gaming
- Mon Dec 3 – Course & Peer Evaluations
- Wed Dec 12 – Final Presentations (8-11am)

Final Project & Paper due
Homework

- Two weeks from now (Nov 19)
  - 2-3 printed page summary/critique of a class research paper due.
- Volunteer by email to give final presentation on Dec. 3 (need at least 5)
- Read papers for next two classes.
- As always,
  - Post questions and comments to the class discussion group.
  - Bring something interesting to discuss, relating to Web performance.
Outline For Next Week (Nov 12)

- **Backbone Characteristics**

- **Multimedia Streaming**
  - Chapter 12 of *Web Protocols and Practice*. (BACKGROUND)
  - Byers et al, 1998. *A Digital Fountain Approach to Reliable Distribution of Bulk Data*. SIGCOMM.
  - Byers et al, 1999. *Accessing Multiple Mirror Sites in Parallel: Using Tornado Codes to Speed Up Downloads*. INFOCOM.
Outline For Next Week (Nov 14)

- **Caching Dynamic Content**

- **Peer-to-Peer**
  - What is Gnutella, What is P2P, What is P2P, Really? (BACKGROUND)
  - Clip2, 2000. *Bandwidth Barriers to Gnutella Network Scalabilily, & Gnutella: To the Bandwidth Barrier and Beyond*. White Papers. (BACKGROUND)
  - Clarke, Sandberg, Wiley, Hong. *Freenet: A Distributed Anonymous Information Storage and Retrieval System*