

EECS 498 W26 System Design of a Search Engine Schedule

Week	Sunday	Tuesday Lecture	Thursday Lecture	Lab	Assignment (due next Sunday 11:59 pm)
1	1/4		Introduction to the course	Introduction Speed dating Group activity	Introduce Yourself 01 Most Positive Subsequence
2	1/11	Search engine basics	Project planning Advice on the project	Planning the project What's most important Speed dating Group activity	Gantt chart for graduate school Join a team
3	1/18	HTML Utf8 HTTP/HTTPS Redirects	Intro to the filesystem Handles stdin, stdout Opening files Seeking Hashing	HTML Utf8 filesystem	Group photo 02 Vector and string 03 Utf8
4	1/25	Mapped files stat'ing a file Directories	Relocatable hash tables Memory-mapped hash tables	Project plans Memory-mapped wc Hash tables	Project plan 04 HTML Parser 05 Hashtable and Top 10 Rate the group photos
5	2/1	Processes and threads	Locks Producer-consumer relationships RAII	Team meetings with instructor	06 HashBlob and HashFile 07 Multithreaded file operations
6	2/8	TCP/IP, DNS, sockets	Secure Socket Layer	Sockets SSL Reading a web page	08 LinuxGetUrl
7	2/15	LinuxTinyServer Simple web form	The index and constraint solver		09 LinuxGetSsl 10 LinuxTinyServer
8	2/22	The constraint solver	Midterm	No lab	No assignment
9	3/1	Spring break			
10	3/8	The frontier Distributing your engine	robots.txt Bloom filter		No assignment
11	3/15	Parsing and compiling	Parsing and compiling		Tee shirt design 11 Bloom filter 12 Robots.txt Rate the tee shirts 13 Expression parser
12	3/22	The query compiler	Ranking		
13	3/29	Shingles	Other system design problems		
14	4/5	The digital world we live in	Ethics		Presentation slides
15	4/12	Team presentations	Team presentations		Final report Rate the team presentations Rate your teammates
16	4/19	Last lecture course debrief	Final exam (optional)	Team meetings with instructor Project demo	Project archive
17	4/26	Team meetings with instructor Project demo			Final exam 4/29 4:00 pm