Outline

• Introductions
• Enrollment
• About this course
• Student Responsibilities and Grading Criteria
• The web and its humans: a brief history
• Vannevar Bush: Human who imagined the web and more
• Alan Kay: Versatile visionary and pioneer
• Alan Kay 1997 Grand Challenges video
• Discussion
• Agenda for next meeting
Introductions

• Tell me your name and areas of interest
• When speaking in class, say your name so that everyone knows who you are
Enrollment

- Course is closed
- If you are not already enrolled, please see CS Chairman
- I cannot sign you in
About this course

• Human issues in computing
  – Very broad and vague topic
  – Not Human-computer Interaction (HCI)
  – HCI, UI design, and similar topics not excluded
• We look at vision, concepts, technologies, implications
• History, present, future
• Student presentations and discussion
• Wiki notes, course final report uploaded to wiki
Student Responsibilities

- Attend all class meetings
- Participate in classroom discussion and contribute
- 30 minute class presentation on topic of your choice, subject to instructor approval
  - Presentation and supporting materials to be uploaded to wiki
- Take class notes for at least 1 hour of class time
  - Edit, upload to wiki common notes page
- Maintain own page on wiki
- Write an original, 1000-1500 word report and upload to student’s page on wiki

DO NOT SCHEDULE VACATIONS, TRAVEL etc. OVER FINALS PERIOD

Up to 4 timeslots available in each meeting
- 4 for presenter, 4 for notetaker
- Everyone should get a chance to present and take notes once this quarter
- 30 minutes per presentation
- Your uploaded materials may cover more than 30 minutes but you only get 30 minutes in class
- Each notetaker is responsible for just over an hour of the class
- Post the notes on the wiki
- Sign up early to give me a chance to move presentations around (consulting with you) if need be, for better coherence
Grading Criteria

- Show Initiative
- Effort put into presentation, wiki notes page and final report
- Diligence in meeting all course requirements
- Timeliness
- Participation
Vannevar Bush: The Human who visualized the Web and more

- Research tool
  - Vannevar Bush’s memex
  - http://www.youtube.com/watch?v=c539cK58ees

- Communication tool
  - Internet, web
    (J.C.R. Licklider)

- Personal assistant

- Intellect enhancer, learning tool
  - Alan Kay, Doug Engelbart, Tim Berners-Lee …
A Brief History of the Web and its Humans

• http://www.w3.org/2004/Talks/w3c10-HowItAllStarted/
One pioneer: Alan Kay

- Object-oriented programming
- 3-D graphics
- Bitmap displays, icons, windows, point-click-drag
- Early desktop computer
- Computers for learning
  - Dynabook: flat screen, stylus, wireless network, local storage
- ARPANET
- SmallTalk (evolved to Squeak)
Kay Grand Challenges (1997)

- Peer-to-peer collaborative internet
- Personal Computer as a tool for new approaches to math and teaching
- Universal computer literacy
- New approaches to programming that allow everyone to be a programmer
Discussion

• 13 years later, what is the status of his vision?
• Can we revise his 1997 vision in 2010?
• …
Agenda for next meeting

• Student presentation volunteers
  – Topics?
• Note taking volunteers