

February 18, 2025  
*Issues of Human Interface Design*



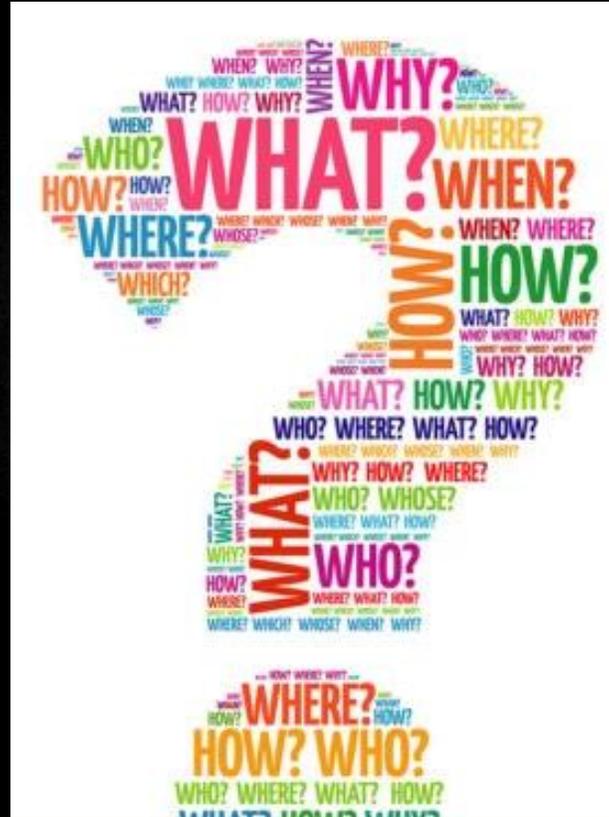
# ENGR110/210

## Perspectives in Assistive Technology



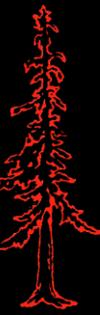
Gary M. Berke, MS, CP, FAAOP  
Stanford Medical Center

# Questions, Comments, Suggestions, or Concerns?



Please notify me of your comments, suggestions, and concerns so I can explain / address / correct them.

# Leftovers from 05b



## Credit Units

Range	10 - 22
Average	17.1
STD	3.3

## Project Courses

0 - 3
1.4
0.8

# Upcoming class sessions

- ▶ **Assistive Technology Faire**
  - Eleven Vendors!
  - Thu, Feb 20<sup>th</sup>



- ▶ **Designing Beyond the Norm to Meet the Needs of All People**
  - Peter W. Axelson, MSME, ATP, RET
  - Tue, Feb 25<sup>th</sup>
- ▶ **From Idea to Market: Eatwell, Assistive Tableware for Persons with Cognitive Impairments**
  - Sha Yao, MFA
  - Thu, Feb 27<sup>th</sup>



# Assistive Technology Faire

- ▶ Eleven vendors of products and services
- ▶ Tradeshow environment
- ▶ Check out all vendors in classroom
- ▶ Report on the coolest thing you saw



# Thursday, February 20th



## **Assistive Technology Faire**

- PocketDot
- BeeLine Reader
- SignUp
- Silicon Valley Independent Living Center
- Amazon Accessibility
- Robot MOMO
- Lotus Ring
- Third Arm
- Duet: Brainwaves to Music
- Jeeves
- Brava Smart Oven



# Home Stretch - Work with Diligence



- ▶ Time is your most precious resource
- ▶ 3 weeks until End-of-term Project Presentations - Tue, Mar 11<sup>th</sup>
- ▶ Identify remaining activities and assign responsibilities



# Suggestions for End-of-term



- ▶ Strive to be more professional with slides & reports
- ▶ Work equally as a team
- ▶ Make up missed lectures



**Missed your  
lecture?**

**Catch up by watching our  
recorded videos**



# Students working on Team Projects

## Mid-term Report



- ▶ **Due YESTERDAY!**
- ▶ **Goal: short, concise, well-written, and highly readable report with few grammatical and spelling errors.**
- ▶ Mid-term report - 10 to 15 pages of narrative - text and images
- ▶ Include sketches and photos
- ▶ Report Writing Tips documents **suggested** report features



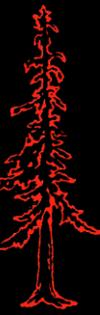
# Mid-term Reports Due Yesterday



- ▶ Please note that a **longer** report is not necessarily better. I would much rather read a **shorter, concise, and well-written** report than a longer, poorly written report with grammatical and spelling errors.
- ▶ If your team needs additional time to complete, proofread, and refine your report, you can **request an extension**.
- ▶ I'm looking forward to reading your **double-excellent** report.

# Students working on Team Projects

## Project Activities



- ▶ Continue to work with project suggestor
- ▶ Fabricate, test, analyze, redesign, refine prototypes
- ▶ Submit progress reports, schedule project meetings with Mathilda, Lance, or me

# Student working on Individual Projects



- ▶ **Continue to meet with me to discuss project progress**
- ▶ **Send progress reports**
- ▶ Contact me if you have questions about your project direction
- ▶ Project presentations:
  - ▶ Week 9
  - ▶ Outside of class
  - ▶ In-person

# Mid-term Evaluation Comments



- ▶ Good comments, bad comments, how to evaluate?
- ▶ Conflicting comments on content, presentation, or process
- ▶ There may be just one comment on an issue, either positive or negative
- ▶ Everyone has a different perspective, opinion, and level of understanding
- ▶ Not everyone is “right” due to emphasis, misunderstandings, bias, and subjectivity
- ▶ Some evaluators may pick up on a specific detail, not on your major point, so emphasize major points on a separate slide
- ▶ **Make you own honest judgment on comments that could be helpful**
- ▶ Same goes for your mid-term report markup
- ▶ What do the scores mean with respect to your grade?

*I can't do what ten  
people tell me to do –  
Otis Redding*

# Team Projects Scoring



## Deliverable

%

→ Mid-term Presentation

10

Mid-term Report

10

End-of-term Report

20

End-of-term Presentation

20

Prototype Design & Functionality

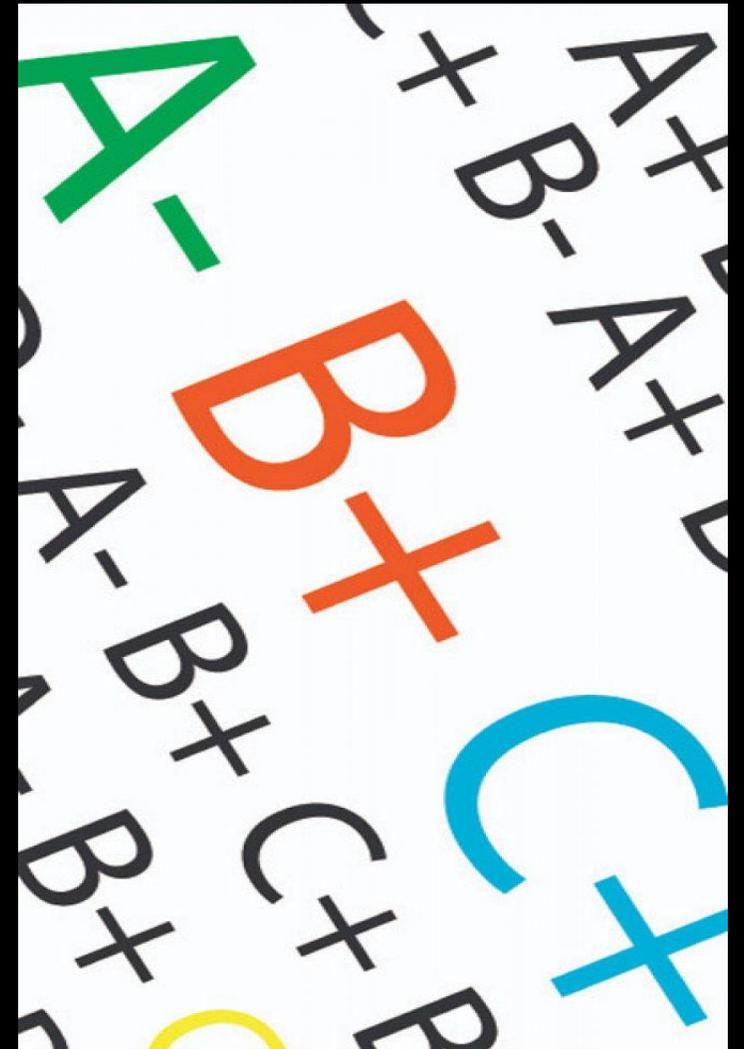
20

Project Suggestor Feedback

10

Participation

10



Participation includes **attending class sessions**, meeting with instructor, actively listening, posing questions to the guest speakers and the course instructor, engaging in class discussions, verbalizing thoughts and analyses, and submitting Weekly Project Reports or meeting with the course instructor.

# Today

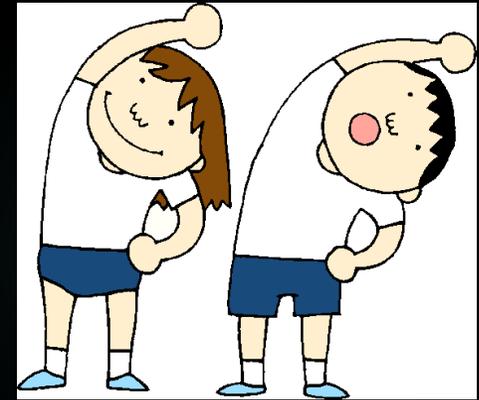
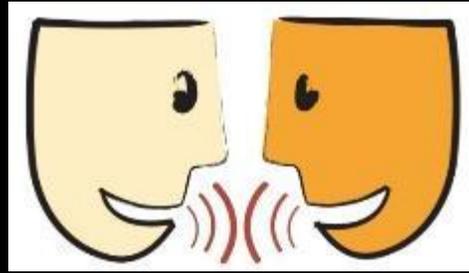


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# Activities

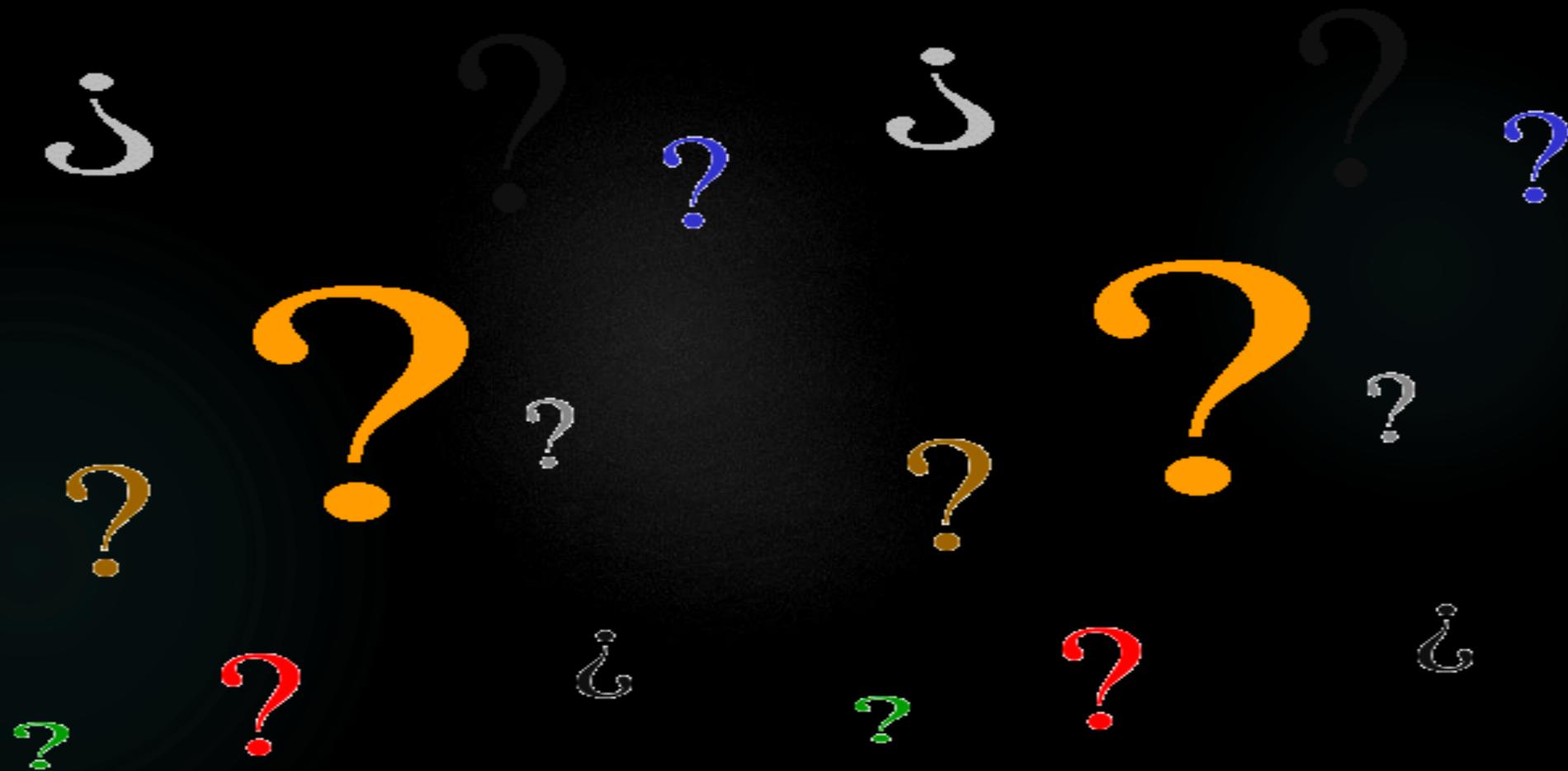
- ▶ Attendance Sheet
- ▶ Evaluation Form
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message
- ▶ Web-surf
- ▶ Respond to email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



# Short Break

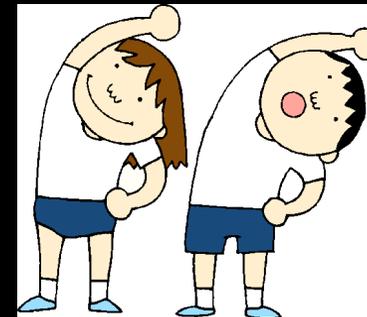
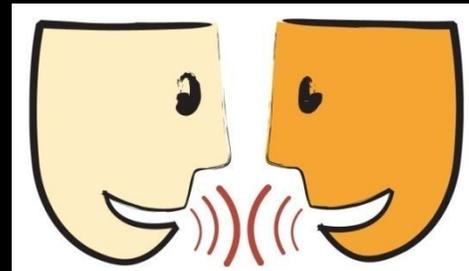


# Questions?



# Break Activities

- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message, web-surf, email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Adjourn



class dismissed



# Laptops Galore



# Time for Questions?



End the class

