February 17, 2026

Issues of Human Interface Design

ENGR110/210
Perspectives in Assistive Technology



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Questions, Comments, Suggestions, or Concerns?







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

Missed class sessions



- Make up missed class sessions
- **Participation** accounts for 10% of a student's grade and includes attendance
- Missed class sessions that are not made up can affect a student's grade
- Make up missed class sessions:
  - Before the end of the quarter
  - Two weeks after the end of the quarter
  - Next quarter



Upcoming class sessions





- Assistive Technology Faire
  - Eleven Vendors!
  - Thu, Feb 19th

- Designing Beyond the Norm to Meet the Needs of All People
  - Peter W. Axelson, MSME, ATP, RET
  - Tue, Feb 24th

- The Design and Control of Exoskeletons for Rehabilitation
  - Katherine Strausser, PhD
  - Thu, Feb 26th

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 19th



Assistive Technology Faire

Tikkun Olam Makers
PocketDot
Silicon Valley Independent Living Center
BeeLine Reader
Jeeves
Stretch 3 Mobile Manipulator Robot
EchoVision Smart Glasses
Brava Smart Oven
MO/GO
Lotus Ring
Yahoo! Inclusive Design











Home Stretch - Work with Diligence

- Time is your most precious resource
- 3 weeks until End-of-term Project Presentations - Tue, Mar 10th
- 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







Students working on Team Projects
Mid-term Report



- **Due YESTERDAY! - Extensions Available**
- **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

- Order remaining parts
- Continue to work with project suggestor
- Fabricate, test, analyze, redesign, refine prototypes
- Submit progress reports, schedule project meetings with Tori 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

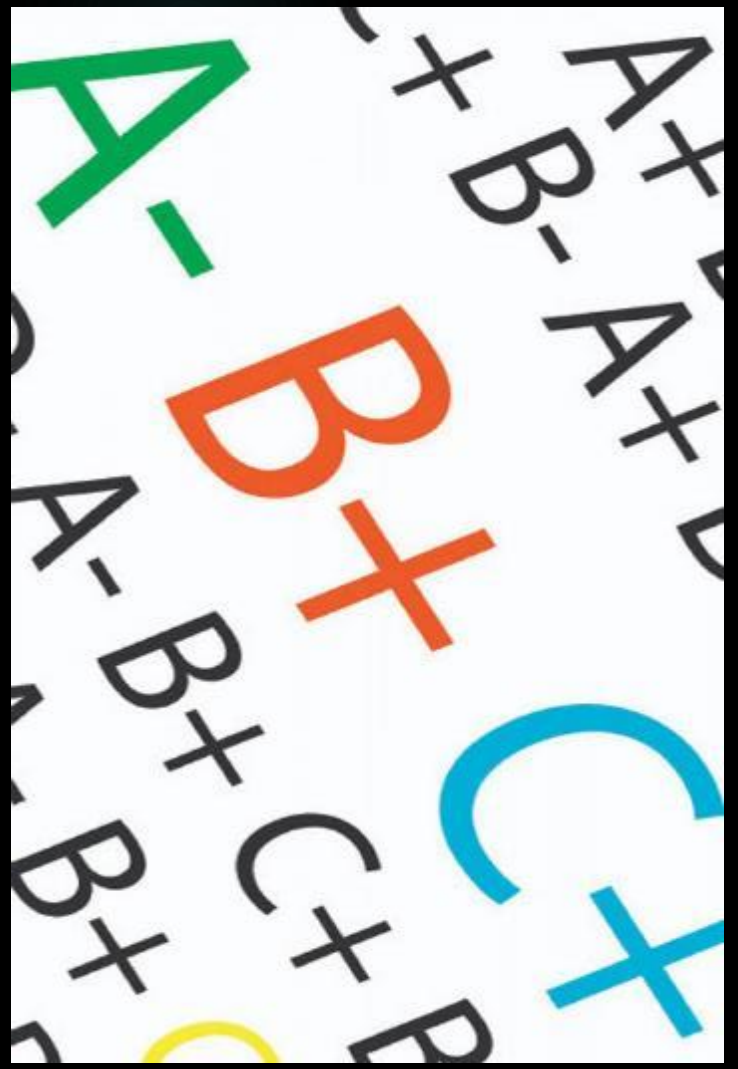


- Good comments, bad comments, how to evaluate?
- Conflicting comments on content, presentation, or process
- There may be just one comment on an issue, either positive or negative
- Everyone has a different perspective, opinion, and level of understanding
- Not everyone is "right" due to emphasis, misunderstandings, 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	15
Project Suggestor Feedback	15
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.

Severe and Multiple Disabilities



Steven Hawking

Severe and Multiple Disabilities



Craig Dietz - Swimmer

Multiple Disability Disorder - Barbie



Blind



Hearing



Down Syndrome



Down Syndrome



Type I Diabetes



Scoliosis

Multiple Disability Disorder - Barbie



Prosthetic Legs

Multiple Disability Disorder - Barbie







Wheelchair

Multiple Disability Disorder - Barbie





Wheelchair

Multiple Disability Disorder - Barbie







Wheelchairs

Multiple Disability Disorder - Ken



Hearing



Prosthetic Leg



Wheelchair

Multiple Disability Disorder - Other



Becky - Paralympic



AAC User



Dog with Disability

Today

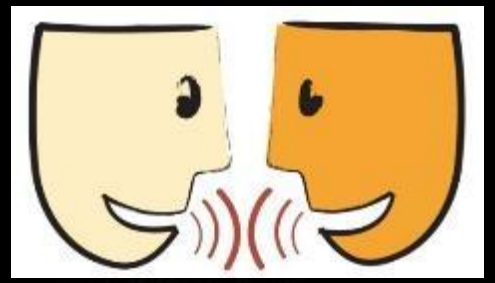


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Activities

- 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

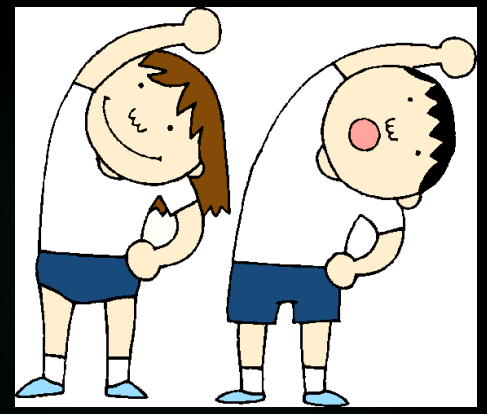












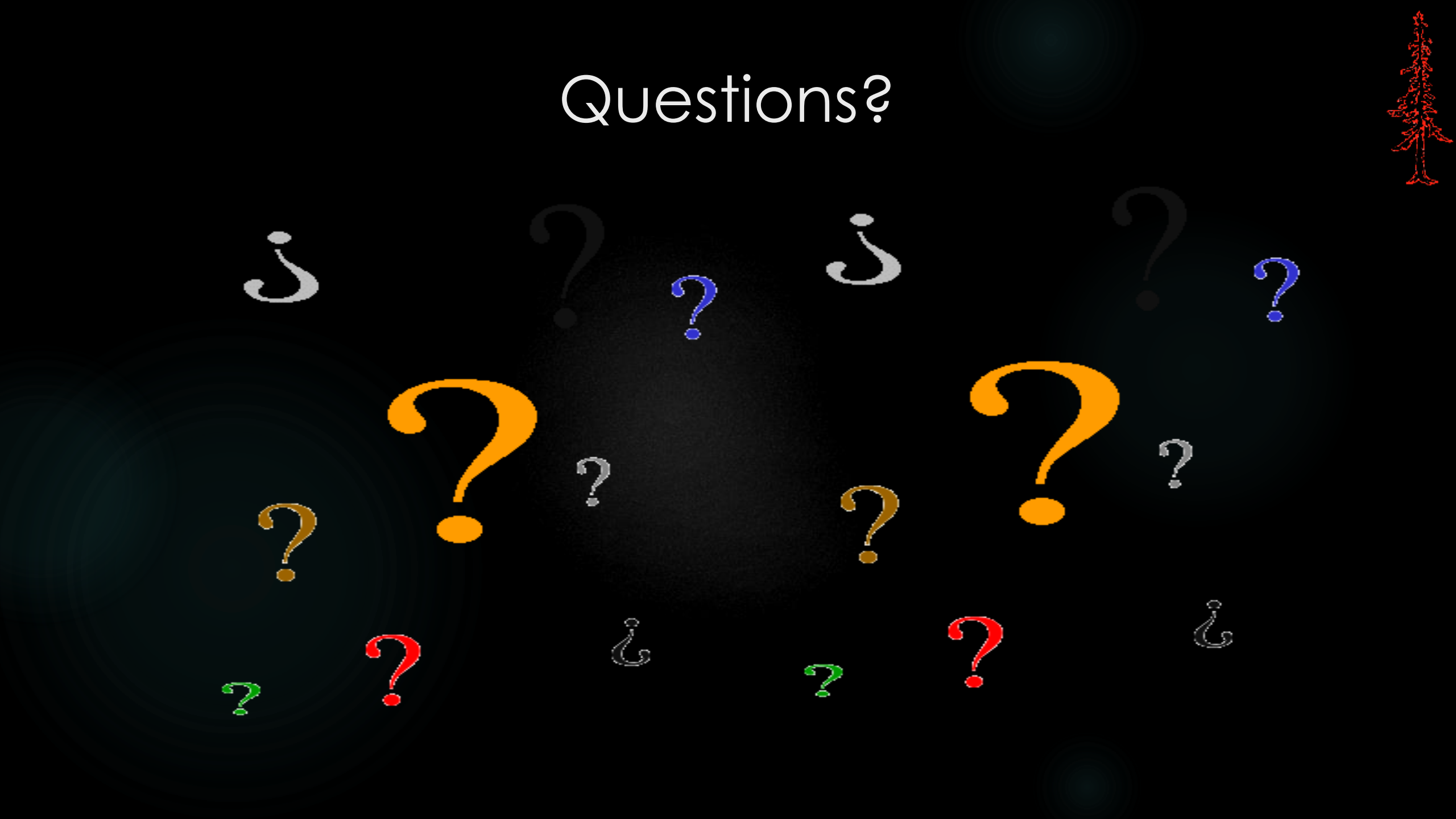


Short Break





Questions?



Break Activities



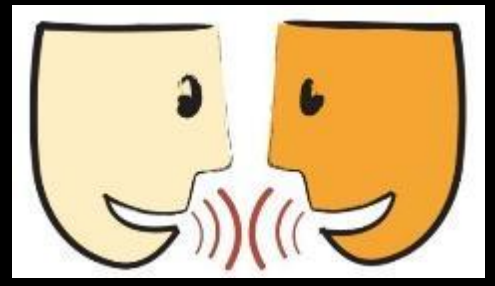


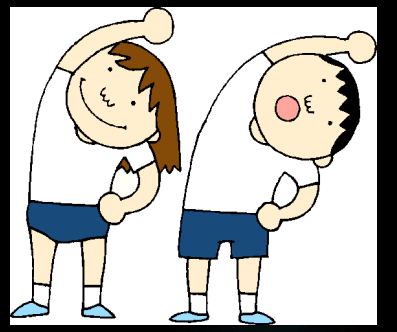


- Sign attendance sheet
- Grab a cookie
- Stand up and stretch
- Take a bio-break
- Text message, web-surf, email
- Talk with classmates
- Reflect on what was presented in class











Adjourn



Laptops Galore



Time for Questions?



End the class

