ENGR110/210
Perspectives in Assistive Technology

David L. Jaffe, MS

Instructor

16
Years

Questions, Comments, Suggestions, or Concerns?

Please notify me of your comments, suggestions, and concerns so I can explain / address / correct them before the end-of-term course evaluation.

Week 10 Class Sessions

▶ Tue, Mar 8th
End-of-Term Student Team Project Presentations

▶ Thu, Mar 10th
Student Team & Individual Project Demonstrations
Burritos

Reminder - Work with <u>Extreme</u> Diligence

▶ Time is your most precious resource

▶ End-of-term project demonstrations - Thursday, Mar 10th

Project Demonstrations – Thursday

▶ Bring all prototypes to class

▶ Meet in classroom to fill out a course evaluation form

▶ Project demonstrations in classroom or outside on patio

▶ No posters or handouts - informal "trade show" presentations

▶ Demonstrate prototype's functionality

▶ Make sure Bennett & I check it out

▶ Check out other teams' projects

▶ Enjoy burritos & drinks

▶ Community members will attend

▶ Invite project suggestors, users, friends who contributed to your project's success

▶ Bring laptop to show additional videos and images of your process (no power outside)
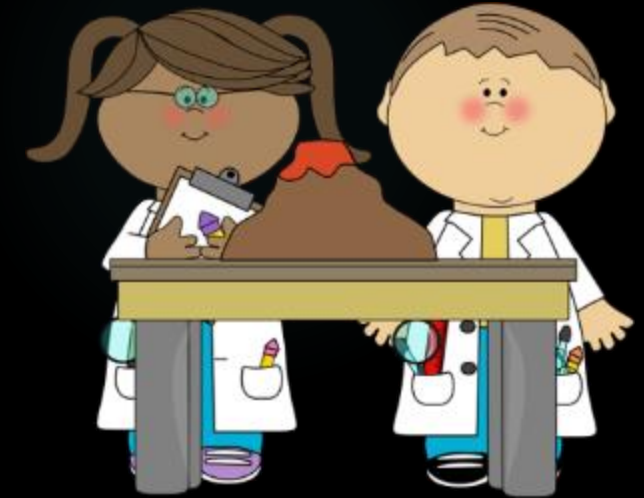
Project Considerations

▶ Your prototype should be functional, but not necessarily ready for market

▶ Contingency plans if things don't work out

▶ Add a team or Stanford logo

▶ Never apologize for what you did or what you were not able to achieve

▶ Mention future plans

▶ Remember "Everything is a prototype"

Food & Drink Signup for Thursday

For everyone:

- Food & Drink Signup - let me know
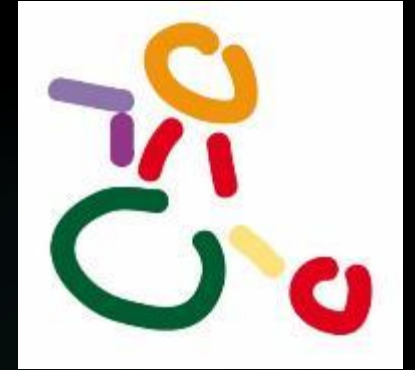
Course Evaluations

1. Dave's in-class evaluation on Thursday
2. Cardinal Course Student Survey (?)
3. VPTL's evaluation - online on your own - see *Week 10 in Review*

End-of-term Report

- ▶ Cover your entire quarter's work
- ▶ Include material from mid-term report
- ▶ Consider mid-term report mark-ups
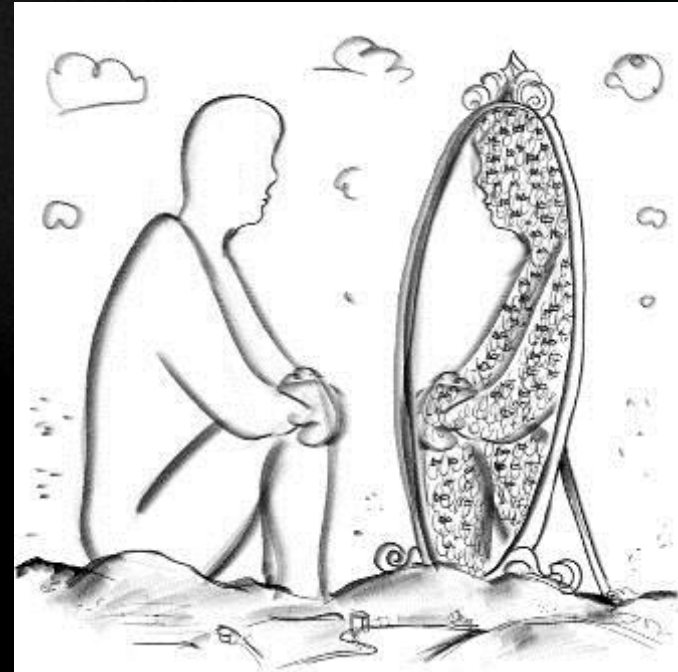- ▶ Due Tuesday, March 15th

Individual Reflection

▶ How you felt about your course, project, user, team experience

▶ Due Tuesday, March 15th

We do not learn from experience... we learn from reflecting on experience.

- John Dewey

Online Scoring Form

10b - Anonymous Scoring Sheet for End-of-term Student Team Project Presentations

This quarter ten student teams have been addressing problems experienced by individuals with disabilities or older adults and have been working to research, brainstorm, design, fabricate, and test a prototype device or software to meet the identified problem. Each team will give a formal presentation detailing their project activities. Please note that this was a seven-week team project effort and the students' prototypes are not intended to represent commercial offerings.

dljaffe@stanford.edu (not shared) Switch account

Everyone is welcome to evaluate the teams' presentations

Do not score your team's presentation

http://engr110.stanford.edu/at.html

Paper Scoring Form

Mid-Term Student Team Project Presentations
ENGR110/210: Perspectives in Assistive Technology - 2022

Please fill out with a pen.   **Tuesday, February 8, 2022**   *Please write legibly.*

I am: ❑ - a student, ❑ - faculty member, ❑ - community member, ❑ - other: _____

Thank you for attending this year's mid-term student team project presentations for ENGR110/210. Student teams have been addressing problems experienced by individuals with disabilities or older adults and have been working to understand the problem, brainstorm, design, fabricate, and test a prototype device or software to meet an identified challenge. The teaching team would appreciate your assistance in judging the quality of the students' project and presentation efforts. Please read the criteria below and submit your scores, suggestions, and comments. Use a pen and print legibly as your comments will be disseminated to the project teams.
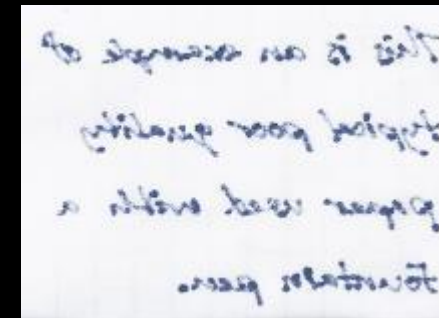
- Judge the overall quality of the presentation, design process, prototyped concepts in the following areas:

  Presentation & Delivery: Presentation: (What the team presented) - clarity, organization, and completeness of the information presented. Delivery: (How the team presented) - professionalism, enthusiasm, conviction, confidence, energy, volume.

  Process: (How the team addressed the problem) - problem information, background research, design concepts brainstormed, prototyped, tested, and evaluated.

  Design: (What the team produced) - creativity, originality, functionality of the design concept(s), and the likelihood it will meet the user's challenges.

  Overall: (Overall score) - combined impression of presentation and project effort

- Use these metrics: ☺ = Excellent   ☺ = Very Good   ☺ = Good   ☺ = Fair   ☺ = Poor
                       Top 10%   Top 25%   Middle   Bottom 25%   Bottom 10%

- Please provide your comments and suggestions about the course, this mid-term presentation, and the overall evaluation process. Thank you for your participation!

1. Team / Project: CLICK	Belt Buckle Project for Danny
Comments: What are your LIKES and WISHES about what the team accomplished, and what are your comments, suggestions, and advice for them?	

Presentation & Delivery	Process	Design	Overall
⑤ ④ ③ ② ①	⑤ ④ ③ ② ①	⑤ ④ ③ ② ①	⑤ ④ ③ ② ①

Everyone is welcome to evaluate the teams' presentations

Do not score your team's presentation

Please use a pen that doesn't bleed through the paper and has a legible font

Order of Presentation

- **Flip No Flop** - Flip Flops for Mary
- **Capsol** - Designing Your Afterlife
- **Cantor Crew** - A Day at the Cantor Arts Center
- **ArtTech** - Exhibition Engagement Tool
- **Magic Doodlers** - Accessible and Inclusive Playground Attractions (2)
- **Magic^3** - Accessible and Inclusive Playground Attractions (1)
- **Crafty Mechanical Juniors** - Wearable Storage Pack for Danny
- **Ski Guarantee** - Ski Pole Project for Jorge
- **Hungry Dawgs** - Dog Feeding Aid for Danny & Korey
- **CLICK** - Belt Buckle Project for Danny

Team Project Presentations

- ▶ End-of-term Team Project Presentations
  - ▶ 7-minute presentations:
    - ▶ Tell the entire story
    - ▶ Be concise
    - ▶ Employ descriptive photos
    - ▶ Avoid every last detail
    - ▶ Show your prototypes as slide images
    - ▶ Practice for timing, where to stand, etc
    - ▶ Use slide presenter to advance slides
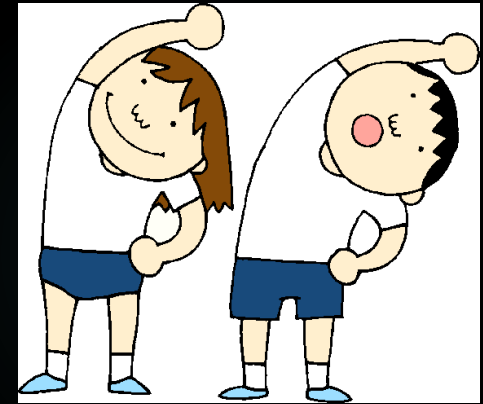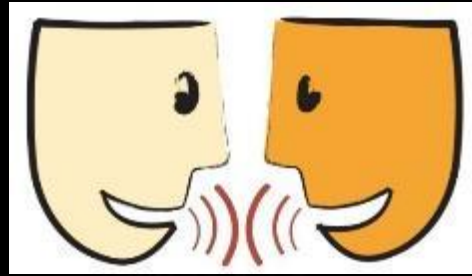
Team Project Presentations

Student project teams have selected a challenge or problem experienced by individuals with disabilities or older adults and have been working to understand, research, brainstorm, design, fabricate, and test prototype devices or software to meet the identified challenge. Each team will now present their end-of-term project progress.

Sorry, there will not be time for questions today. Save them for Thursday!

Break Activities

- 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