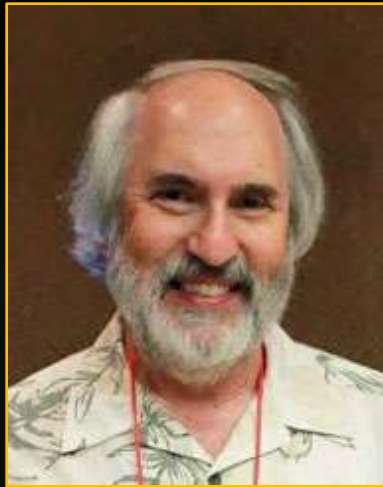


March 12, 2019
End-of-term Student Team Project Presentations



ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

13
Years



Food & Drink Signup



For everyone:

- Food & Drink Signup



**End-of-Term Celebration
Food and Drink Signup
Thursday, March 14th**

Choose one burrito and one drink item

Burrito								
Veggie			Chicken			Beef		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drink								
Regular Coke			Diet Coke			Water		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



End-of-term Student Team Project Presentations

Please fill out this form legibly with a pen



Don't
evaluate your
own team

Final Student Team Project Presentations
ENGR110/210: Perspectives in Assistive Technology

Please fill out with a pen. **Tuesday, March 12, 2019** *Please write legibly.*

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

Thank you for attending this year's end-of-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 research, 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.

- The student teams' presentations should include the following elements:
 0. Introduction to project and team members
 1. Background, problem statement, and magnitude of problem
 2. Interviews with project suggestors and users who would benefit from a solution
 3. Identification and determination of need
 4. Research on existing solutions and discussion of their limitations
 5. Brainstorm activities: description and visualization of design concepts considered and prototypes built
 6. Description of top designs: technical feasibility, engineering difficulty, estimated cost, user acceptance, functionality, performance, safety considerations, tradeoffs, etc
 7. Current project activities and status, prototypes built, and challenges encountered
 8. Plans for the future
- Judge the overall quality of the presentation, design process, prototyped concepts in the following areas:

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, testing & evaluation

Content: (What the team presented) - clarity, organization, and completeness of the information presented

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

Overall: (Overall score) - combined impression of presentation and project
- Please use these metrics: ⑤ = Excellent ④ = Very Good ③ = Good ② = Fair ① = Poor
 Top 10% Top 25% Middle Bottom 25% Bottom 10%

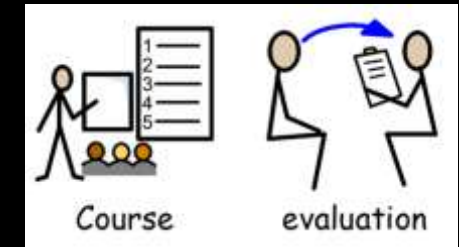


Use a pen that doesn't
bleed through the
paper & print legibly

Course Evaluations



1. Dave's in-class evaluation on Thursday
2. VPTL's evaluation - now available on Axess
 - Axess > Student > Course and Section Evaluations
 - VPTL says your feedback is very important as it improves the course for future students
 - Instructor sees aggregated anonymous responses



	Strongly Agree	Agree	Disagree	Strongly Disagree
The instructor had a nice haircut.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor knew how to cook.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor had a good singing voice.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shaving cream was used.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dogs were permitted in class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor had a masculine nose.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Final Report



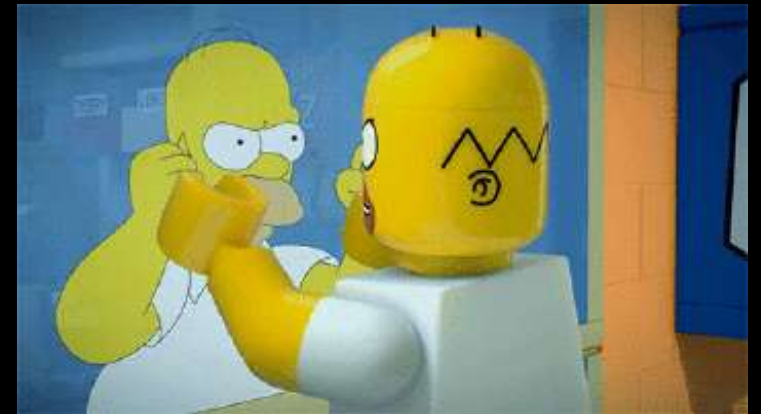
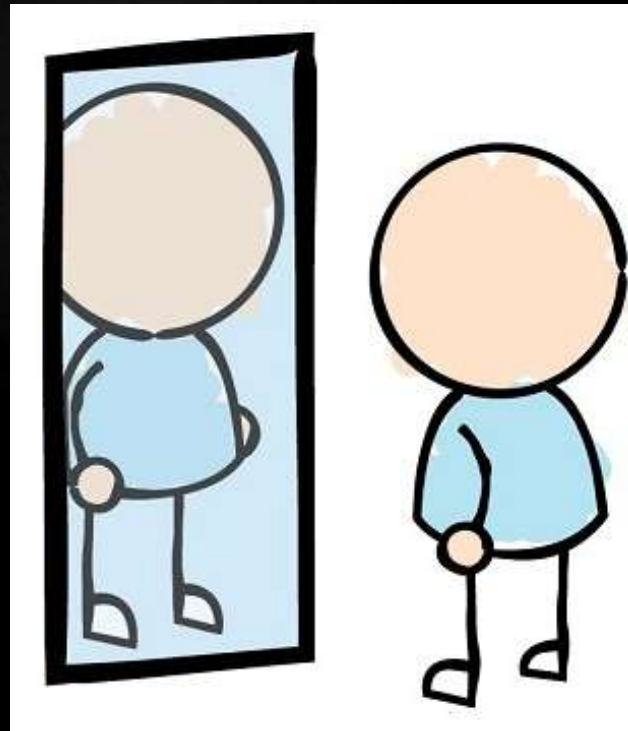
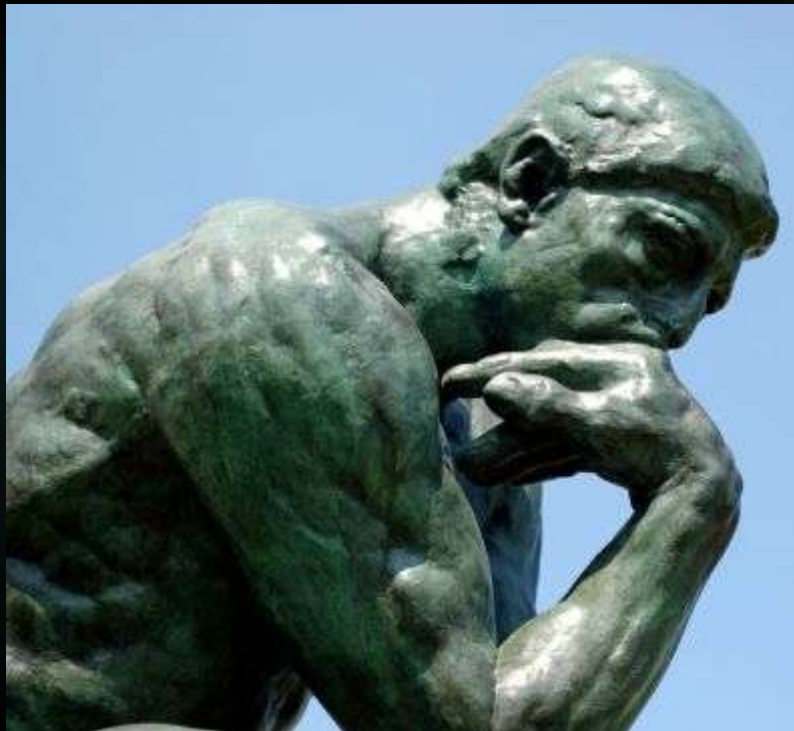
- ▶ Cover your entire quarter's work
- ▶ Include material from mid-term report
- ▶ Consider mid-term report mark-ups



Individual Reflection



How you felt about your course, project, team experiences



Due Date for Report & Reflection

- ▶ Due week of March 18th
- ▶ Email me with date you expect to submit these documents: Monday, Tuesday, Wednesday, or Thursday



Make Up Missed Lectures

- ▶ Review lecture material: video, slides, photos
- ▶ Meet with Dave
- ▶ Grade is negatively affected by missed lectures



Project Reimbursements

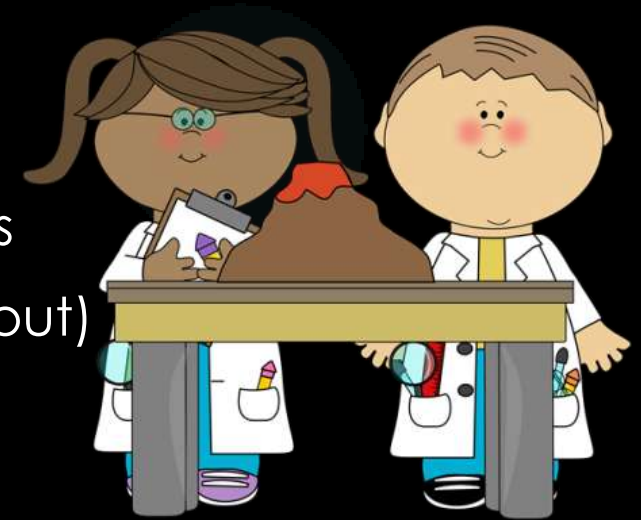
- ▶ Save all receipts
- ▶ One team member on a team will be reimbursed
- ▶ Car rental and mileage are not reimbursable
- ▶ PRL Shop Passes are not reimbursable
- ▶ Detailed instructions will be emailed



Thursday - Project Demonstrations



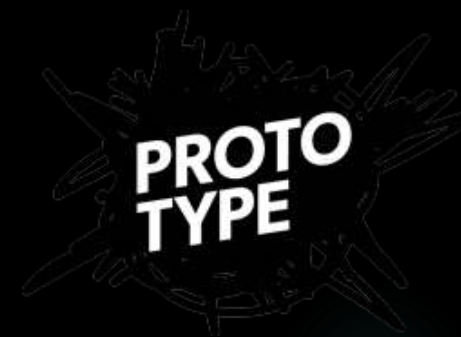
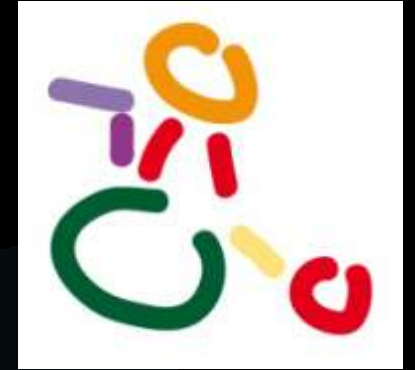
- ▶ Bring all prototypes to class
- ▶ Meet in classroom to fill out a course evaluation form
- ▶ Project demonstrations in classroom
- ▶ No posters or handouts - informal “trade show” presentations
- ▶ Demonstrate prototype’s functionality (make sure I check it out)
- ▶ Check out other teams’ projects
- ▶ Burritos & drinks
- ▶ Community members attending
- ▶ Invite project suggestors, users, friends who contributed to your project’s success
- ▶ Bring laptop to show additional videos and images of your process



Project Considerations



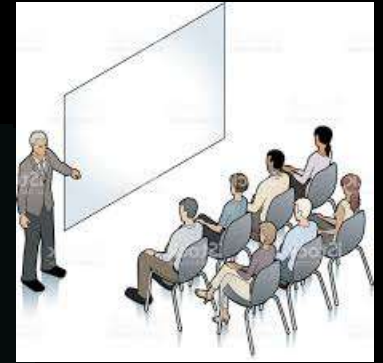
- ▶ Your prototype should be functional, but not necessarily ready for market
- ▶ Contingency plans if things don't work out
- ▶ Add a team or Stanford logo
- ▶ Never apologize for what you did or what you were not able to achieve
- ▶ Mention future plans
- ▶ Remember "Everything is a prototype"



Today - End-of-term Project Presentations Information for Community Members



- ▶ Thank you for attending this year's end-of-term student team project presentations for ENGR110/210.
- ▶ Student teams have been addressing challenges experienced by individuals with disabilities or older adults
- ▶ They have been working to understand, research, brainstorm, design, fabricate, and test prototype devices or software to meet the identified problem.
- ▶ The teaching team would appreciate your assistance in judging the quality of the students' project efforts.
- ▶ **Please note that this was a seven-week team effort and the prototype is not intended to represent a commercial offering.**
- ▶ Read the criteria on the Scoring Sheet and submit your scores, suggestions, and comments.



Today



End-of-term Student Team Project Presentations

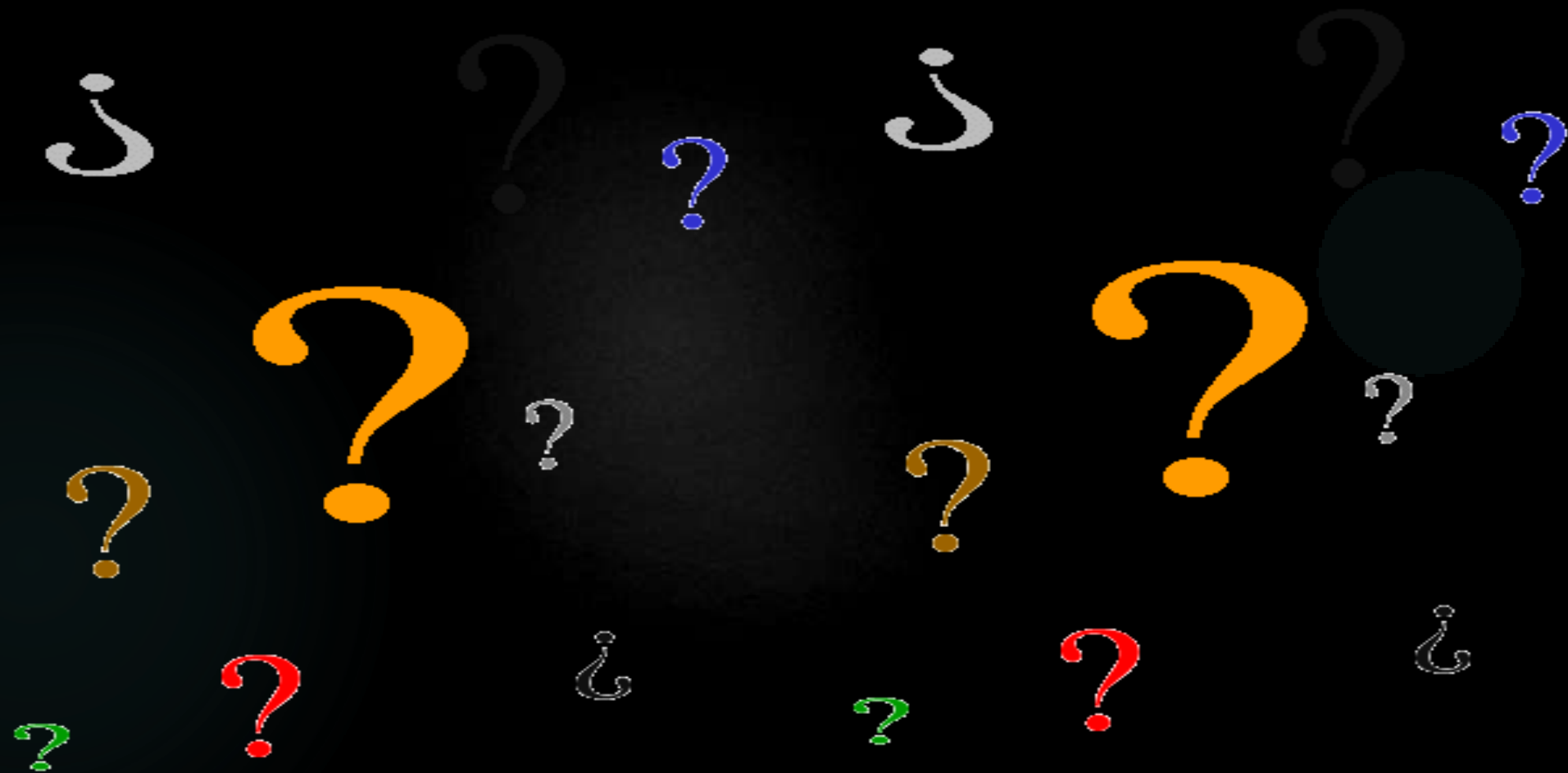


- ▶ **Elevator Pitch** - Elevator Button Pusher Project for Angie
- ▶ **Buckle Up** - Service Dog Harness Buckle Project
- ▶ **Travola** - Danny's Lap Tray Project
- ▶ **Big Three** - Danny's Pick-up Project
- ▶ **Kitty Kat Meow** - Zirpolo Hide-Away Lap Tray Project
- ▶ **Tray-Iblazers** - Tray for Tony Project
- ▶ **Abby's Assistants** - Grocery Shopping with Abby Project
- ▶ **Magical Bridge Team** - Magical Bridge Playground Project: Caterpillar
- ▶ **Mean Machine** - Danny's Wheelchair Cup & Phone Holder Project

Wireless Slide Presenter

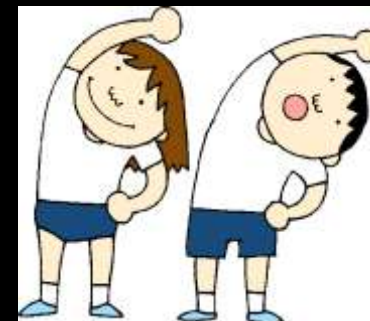


Questions?



Break Activities

- ▶ Stand up and stretch
- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ 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

