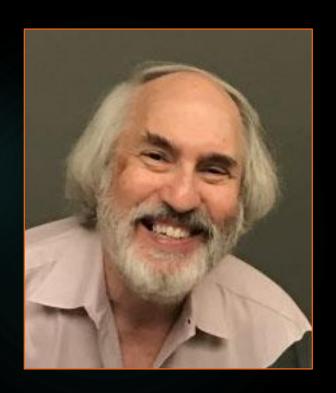
January 21, 2021 Bridging the Gap between Consumers and Products in Rehabilitation Medicine

September 1

ENGR110/210 Perspectives in Assistive Technology



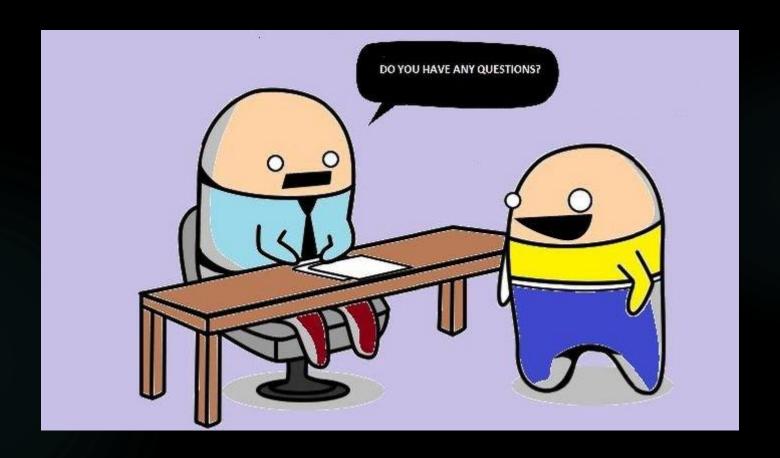
David L. Jaffe, MS

Instructor



Do You Have Any Questions?





Apologies

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- Messed up urls for meeting with students on Wednesday
- Did not include Danny & Stanford's project in Project Preferences Form - fixed
- Some confusion with Project Preference Form
- Evaluation Form was not anonymous fixed
- Enlarge slides during class







Positives



Getting more proficient with details of course organization



Great to meet students





Attendance Sheet, Evaluation Form, and Meet with Dave Signup

For all students:

- Sign Attendance Sheet important to verify your attendance (looking at another option)
- Sign up to meet with Dave for lecture makeup and Individual Project discussion

For everyone:

 Fill out Class Session Evaluation Form – this provides feedback to guest lecturer





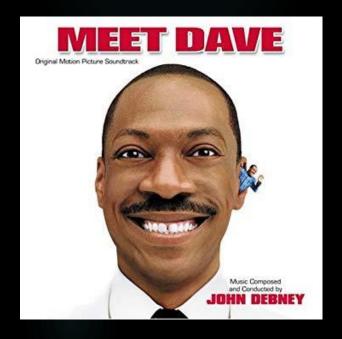




Benefits of meeting with Dave



- Make up missed lectures
- Gain valuable perspectives on your project
- Optimize your course and project experience







I will publish the results





Not enough students were interested or available for this event

Deliverables



- Weekly meetings with Kat and project progress reports (alternate weeks)
- Mid-term presentation informal, not graded
- Mid-term report formal, graded
- End-of-term presentation and report formal and graded

Project Policies



- Optional for multiple students who selected the same project to coordinate efforts to meet with their Project Suggestors and share these tasks:
 - "Understanding the problem" and "brainstorming"
 - ▶ Mid-term presentations
 - Mid-term report
- ▶ But each student must pursue a different solution, present their end-of-term efforts individually, and submit end-ofterm reports individually.
- ▶ I'll email students' project preferences



Work with Diligence

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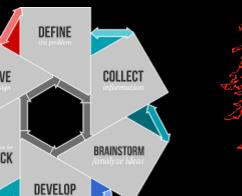
- ▶ Time is your team's most precious resource
- ▶ 7 weeks of class left to work on your projects
- ▶ Mid-term presentations in 4 weeks!





Student Project Preferences





Selected Projects:

- Austin: Cutting Knife
- Abby: Improved Pooper Scooper
- Abby: Cutting Vegetables for Cooks with One Arm
- Abby: Camping Cot Project
- Olenka Magical Bridge Playground Project
- Tilly: Cell Phone Holder for Wheelchair
- Report: Disability in Sports
- Report: Autism & PACE Center
- Report: Prosthetics and Orthotics in Sports
- Project: Musical Instrument for a Person with a Disability

Student Project Preferences





- Abby: Alert Project
- Abby: Camping Cot Project
- Danny & Stanford: Wearable Storage
- Children's National Hospital: Identifying Emotional State Project



How we judge others

Service State of the service of the

- race
- religion
- gender
- gender identity
- skin color
- appearance glasses, hair style
- clothing & shoes
- anatomy height, weight, nose, eye color
- university attended
- year in school
- major
- political affiliation
- sport team fan

- disability
- age
- speech / accent
- medical status
- immigration status
- employment status
- fame / notoriety
- criminal record
- driving record
- place of residence
- athleticism
- record of achievement, intelligence
- material possessions car, house, phone

The course instructor judges your project effort including presentations and reports

Dr Martin Luther King Jr.





How might the teachings of Dr Martin Luther King Jr. relate to people with disabilities and older adults and Assistive Technology?

"I have a dream that my four little children will one day live in a nation where they will not be judged by the color of their skin but by the content of their character."





Dr Martin Luther King Jr.





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How might the teachings of Dr Martin Luther King Jr. relate to people with disabilities and older adults and Assistive Technology?

"I have a dream that my four little children will one day live in a nation where they will not be judged by the color of their skin but by the content of their character."

Disability and advanced age do not represent weaknesses of character.





Product Pricing





Product pricing includes much more than cost of materials

Product Pricing



- One Time Costs Manufacturing equipment and equipment leases, furniture, fixtures, computers, phones, etc
- Recurring Costs Property and office rent, salaries (labor) / wages/ commissions, utilities (electricity, internet, water, garbage, etc)
- Product-related Costs Product research, prototyping, testing, accounting, shipping, parts, profit, advertising (printing), packaging, vehicles
- Business-related Costs Loan repayments, inventory, financing costs, damaged merchandise, operating and legal expenses, overhead, theft, insurance, membership dues, market research, advertising and promotion, office supplies and equipment, travel, recruiting
- Production-related Costs Economies of scale, automation, mass production techniques
- Scale-related Costs Retail price falls with number of units manufactured & sold

Questions?







Tuesday, January 26th

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Stanford Students with a Disability (and Abby)











Sylvia Colt-Lacayo
Gene Sung-Ho Kim
Tilly Kennedy Griffiths
Austin Gregory Brotman
Abby Tamara

Today

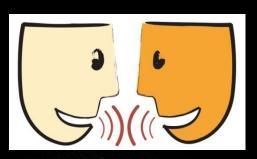




Bridging the Gap between Consumers and Products in Rehabilitation Medicine

Deborah E. Kenney, MS, OTR/L
Stanford University
VA Palo Alto Health Care System
Foothill College

Break Activities









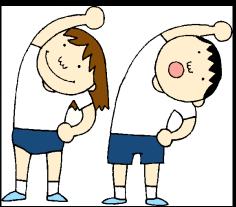


- Stand up and stretch
- ▶ Take a bio-break
- Text message
- Web-surf
- Respond to email
- ▶ Talk with classmates
- Reflect on what was presented in class













Short Break





