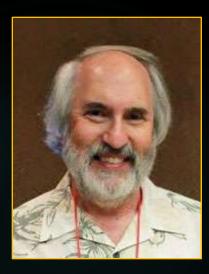
### January 16, 2018 Needfinding and Assistive Technologies - Gayle Curtis

## ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS Instructor



# Attendance Sheet, Evaluation Form, and Meet with Dave Signup

## For all students:

Sign Attendance Sheet - important to verify your attendance •

Sign up to meet with Dave for lecture makeup and Individual Project approval

### For everyone:

Fill out Class Session Evaluation Form ۲

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Sign Lin to Meet with Dave







# For Students working on Individual Projects

- Consider the these options:
  - Assistive technology topic
  - Paper design of an assistive technology device
  - Work of art
  - Aftermarket aesthetic, functionality, usability design
- Interview an individual with a disability. This could include: a family member, a friend, a classmate, a community member attending class, or others that I can suggest
- Report on their lives, challenges they have faced, successes they have achieved, desires for their future, assistive technology they use, and problems they have experienced with them.
- Meet with Dave to agree on project

# Team Project Selection Procedure

- Browse to <u>Project Preferences</u>
- Or suggest a student-defined project

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- Make sure the project your are interested in is <u>available</u>
- Contact project suggestor for more information & access to users
- Refer to <u>Student / Project Preference Matrix</u>
- Contact other students who have similar project interests
- Verify their desire and availability to work on the project
- Once a team of three is formed, email me with your project selection, team members, and team name - due this Friday

# Available Projects

- Lighter Leg Braces
- Hybrid Body-Powered Harness
- Grip Sense
- Abby's Wheelchair
- Abby's Service Dog
- Clean House
- Within Reach
- Pack Rat
- Wheelchair Camber



- Wheelchair Work Tray
- Magical Bridge Playground
- At Home Monitor
- Creative Expression for Danny
- Get a Grip
- Authoring Grade School Lessons
- Creative Expression
- Designing Your Afterlife
- Student-defined projects

# Team Project Selection Policies

Form a team of three

- There are 27 students enrolled in Team Projects, so there will be exactly 9 teams
- The Magical Bridge Playground supports two teams
- Projects are reserved on a "first-to-submit" basis





# Team Project Selection Policies

Ok for the two Magical Bridge Playground teams to share background tasks

Driving to the facility

Interviewing project suggestors

Each team must address a separate problem or pursue a different solution



# Team Project Selection Policies

Since there is no guarantee that other students will have the same project interests or that your preferred projects will still be available, you should be prepared to:

- convince others to work with you on one of your selected projects
- consider working with another student on a project he/she has chosen
- keep an open mind



# Project Documentation

- Lab notebooks are not required
- Optional diary for your Individual Reflection
- Take photos and short videos:
  - Your team working with a person with a disability
  - Illustrating your design process
  - Prototypes







# Work with Diligence

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

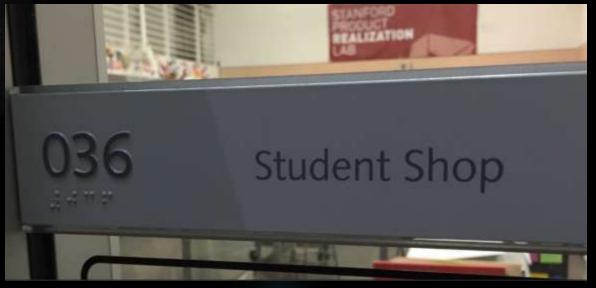




# Miscellany



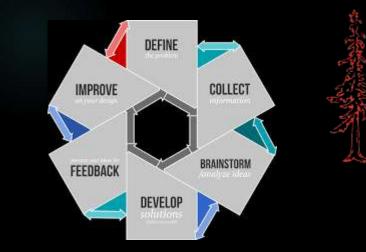
- 1. Weblinks, videos, and photos linked from lecture webpages
- 2. <u>Anonymous Suggestion Box</u> for comments and rhetorical questions
- 3. Sign up for PRL Safety Orientation & Shop passes
- 4. Last bits:
  - I have difficulty remembering names
  - I am on your team
  - I am on your side
  - I want to award good grades



# Formed Project Team

Lighter Leg Braces Project

- Favorite Fighting Frenchmen
  - Evan Long
  - Oscar Molina
  - Ben Taylor



# Form your Project Teams this week

Project

- ► Team Name
  - Student 1
  - Student 2
  - Student 3

# Other Items

- Your team project effort is self-directed
- Your project budget is \$200
- Your class participation is appreciated





