Project Title: 43. Chewing Sounds

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**Problem Statement:**

Obesity is beginning to be recognized as a chronic disease in the United States. Our goal is to design a system to record and display audio data from a person chewing food in order to analyze caloric input. Recent research has suggested that the amplitude and pitch of the audio signal is related to the identity of the food.

**Statement of team goals:**

1. Create problem statement
2. Create First draft of PDS
3. Begin to research and develop design ideas
4. Continue the design project
   a) Research all possible background information.
   b) Research existing and design alternatives
   c) Brainstorm for all possible solutions
   d) Meet with experts to gain ideas about possible solutions
   e) Develop possible design solutions
5. Choose final three design solutions
6. Develop final three solutions
7. Create Power point presentation
8. Finish mid semester report, PDS
9. Discuss possible final design alternative
10. Finalize Design
11. Build and test prototype
12. Present final design & poster

**Last week’s goal**

1. Choose project and group members
2. Assign team roles
3. Distribute contact information
4. Contact client for client meeting

**Summary of Team Accomplishments:**

1. Team roles assigned
2. Contact information sent out to members
3. Contacted Dr. Webster to set up a meeting for 9/15
4. Read chewing sounds literature

**Summary of Individual Accomplishment:**

1. Jimmy- Introduced sophomores to the setup of the course, progress report
2. Matt- Introduced sophomores to setup of the course, progress report
3. Bryan- Familiarized self with online web pages
4. Aditi- Contacted Dr. Webster about meeting
5. Vidhya- Familiarized self with course organization, formulated questions for client meeting

**Statement of Team Goals for Upcoming Week:**
1. Begin PDS
2. Brainstorm possible solutions
3. Research literature on related projects/ current designs
4. Take team photo for webpage

**Project Schedule:**
9/8: Choose projects and form group roles. Contact client about meeting.
9/8-9/15: Formulate questions for the client. Read background literature about project.

**Difficulties:**
None thus far.

**Activities:**
Team In-class meeting (2 hours)

Jimmy- 1hr –Read literature, formulated questions for client
Matt- 1hr –Read literature, formulated questions for client
Bryan- 1hr –Read literature, formulated questions for client
Aditi- 1hr–Read literature, formulated questions for client
Vidhya- 1hr –Read literature, formulated questions for client

**Team total hours for this week: 7.0 hrs**
**Cumulative team hours to date: 7.0 hrs**

**Design Schedule:**

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