Emotions through Audio

For this visualization, we wanted to get an idea of people’s emotions as they chat through an audio medium. We chose Skype, as this is a popular, free medium for people to talk with others through the Internet.

Our visualization is supposed to mimic a clock, to show the relationship between the time you are talking with the other users and the emotions that you show over the whole conversation.

- **Date/Time** – the clock displays one hour of conversation that you had with another user. The 1-12 numbers around the outer edge are to be like a clock. Between 1 and 2 is a representation of 5 minutes, like a regular clock. The user can click on the time represented underneath the user’s name on the right to see the corresponding clock for that time/day. If the user wants to see a different day’s conversations, they can select the calendar button next to the date.

- **Users** - all of the people who have had a skype conversation with you during that day are represented on the right side of the screen. You can change between conversations by clicking on the time represented underneath their name.

- **Piece of time/clock** – each piece of a certain color represents the user’s emotion during that time. If the users are not active, that is also represented.

- **Color of piece** – the color represents how a user was feeling at that point in time. Yellow represents happy, orange represents an angry emotion, and grey is neutral. If the tool to find emotion will allow, we will have each color vary by the intensity of the emotion shown. It could be a gradual change from color, or maybe not, depending on the user’s emotions. The black portion of the clock is a time where the conversation was not taking place, but is still within that hour.

- **Thickness of Disc** – the disc thickness is updated every few seconds to give the emotion of the user, or however often the tool we will use updates.

- **Outer Disc** – the outer disc shows the average emotions for that particular hour, considering all previous conversations the user has had.

We are still thinking of how we can represent both sides of the conversation, as well as a way to show more time through the visualization. It became difficult with the clock example, but we still liked the idea of the clock.
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CS 498

Friday, March 13th

BEN HECK
10am-11am
2pm-3pm
7pm-8pm
8pm-9pm

KATEY BARR
1pm-2pm
9pm-10pm

FERNANDA MENDES
9am-10am
12pm-1pm