Meeting, 28.03.2017

Frontend-Team: (Presented by Denise)

- from Ramins part:
    - "Hover-Effect" (when the cursor is over a button, the button first fills up with red color. When the button is "full", it automatically clicks.)
    - Problem in fullscreen. The buttons are missing. Denise pulled the project right before meeting, so it might be that Ramin was working on it at that time.
- Buttons for emotional state, so user can click on them after watching a video and rate the video with an emotion
- Buttons for settings, information, help (so far those are only placeholders)
- problem with "gaze the web": Hover is not working there. Denise is going to discuss this issue with Raphael as soon as possible.

Evaluation:

- Suggestion from Yessi and Denise (sessions) (Presented by Denise):
    - 9 videos: 3*Emotional/ Love, 3*Horror, 3*Comedy/ Action
    - 2 Sessions,
    - first session:
        - 10 participants
        - Each user watches and rates* 5 videos. (*rating with „stars“ and emotion)
    - second session:
        - 10 (different) participants
        - Similarities are calculated
        - 3 Videos are suggested to each user: 2, which he should like, 1, which he should not like (based on the Algorithm).
        - User watches the 3 videos and rates.
        - evaluate, if the prediction was true, and how accurate it was
- Suggestion from Chadan (sessions, advanced):
    - Instead of using part 2 of the second session only for evaluation, use the information also to feed the algorithm with more training data. (i hope i got this right!)
- Suggestion from me (evaluation only at the end):
    - instead of making 2 sessions, each user watches and rates* the same 6 or 9 videos. (*rating with „stars“ and emotion)
    - until all data is collected, no comparisions or what so ever are done.
    - as soon as all data is collected:
        - do all similarity calculations for all users and all videos, where you ignore one video x.
        - for all users:
            - predict how much they should like the video x, based on our algorithm
            - compare the result to the rating of the user for this video
        - repeat this process, where until you "ignored" each video once
    - this way, you can use all data that was collected, to test the algorithm and also all data to feed the algorith with training data.
    - you can also modify the similarity algorithm at any time, to analyze it even further
- Suggestion from Chadan (categories):

    - make some categories, like horror, love, action, sport...
    - each user has a rating for each category, which tells, how much he likes it
    - the categories could be derived from the tags of the YouTube videos
    - in our project, we would just have some videos from each category, no algorithm to put new videos into a category
- the evaluation should be done with around 10 male and 10 female participants, if possible from different ages.

New Teams:

- The whole Group will be split into two teams:
- team 1: research on BCI evaluation
    - example: "do females have different feelings when they watch love movies than males?"
    - example: "are there different kinds of people? people, who are extremely scared, when they watch horror-movies?"
- team 2: research on Gaze evaluation
    - example: "do men look at female actors all the time?"
    - example: "if two people look at the same things in a video, does that mean, they like the same videos?"
- the task for both teams is to do research and to make suggestions, based on their research, how the evaluation could look like.