Usability Study Report

**Usability Videos (3 x 2):**

<https://youtube.com/playlist?list=PL6iuOV13DNZM_dYiJxw_SbtveqC_rBWsT>

**Consent form:**

Yanan Dong and Zhenghao Lin get consent from participants to record the meeting and share the meeting with other people.

**Purpose:**

To test the usability for our health management website and find issues that users are not comfortable with.

**Methods:**

Yanan Dong and Zhenghao Lin each find three people to test our website, we list our main functions for the website and prepare some questions ahead to ask participants. We usually ask people how they feel about our website and give some suggestions that we can add.

**Participants:**

Classmates from northeastern university

**Questions:**

1. Ask people if they can exactly tell the purpose of our website to test if our website’s topic is clear for people
2. Ask them questions about the basic design principles we learned in class:
   1. Proximity: if the different items are grouped together and participants can tell what specific group does. If unrelated parts have different whitespace so that participants can clearly tell the difference
   2. Alignment: If the strong line we make is clear for people. Because we have avoided automatic centering, if the format looks professional for the participants
   3. Repetition: Can the users clearly tell the difference between different parts, which functions belongs to which group
   4. Contrast: Can users tell different parts and ask them if the difference between function group is huge.
3. When they go through the website, ask them how they feel the buttons, if they tell me specifically what these buttons do.
4. Is the icon for login, register, weight and food consumption clear. If the layout for them clear.
5. There are four parts for our website: login, signup, weight record and food calories. If the transfer between login and signup page convenient, if the weight page fulfill the needs for users to control their weight daily and if the food calories page can finish the tasks to provide the calories for food, record the daily food consumption for people, help people record their favorite food.
6. Style: if the main background for the website consistent,
7. Font: if the size of the font big enough.
8. Layout: if the hierarchies are clearly enough so that people can directly tell the main group and sub functions
9. Color: if the color complementary for different function parts. If the color is consistent for the whole project.

**Results:**

Feedbacks we get:

1. The add food and add weight button need to move lower to tell users more clearly that users need to input two blank spaces to fill the button.
2. The login page and sign-up page needs to automatically transfer so that users can conveniently login the page
3. Add topic or illustration for our website so that even if the users don’t login they can tell what the website does.
4. Add limitations for the format of the number of calories and weight, so the uses can know which format they need to enter.
5. For the chart in the weight page, add dates for the chart to show more clearly the change between different days.
6. Add more information for the food in database so users don’t need to search by themselves.
7. Password should not be sent to the back end directly.

Priority:

1. Add topic and illustration for the website on the first page.
2. Put add weight and add food button lower.
3. Add data validation for all edit boxes.
4. Make the controls aligned by a strong line.
5. Make all functions usable by keyboard.
6. Add more pop-up windows when the data is wrong.
7. Protect the password.

Must have:

Functionality is the first thing, put add weight and add food button lower to let users know how many data they need to enter.

Data validation.

Should have:

Visualize the weight records in a better way.

Might have:

Provide more data about food calories so that users don’t need to input information again.