Minutes of GRP

Time: November 11, 2022, 12:00 a.m.

Place: PMB 428

Present:

Supervisor: Anthony Graham Bellotti

Student: Sihan TIAN, Huajie LOU, Yao LIN, Keyi LIU, Mingtao WANG, Zihao ZHANG

Recorder: Huajie Lou

**Summary of meeting:**

1. Discussed the new requirements Hang Zhou has mentioned in the informal meeting.
2. Discussed the possibility of changing the architecture of our projects with Tony. The advantages and disadvantages of full-stack development and GUI development are discussed respectively.

**The new requirements:**

1. Depending on the input data selected, different results will be presented in real time.
2. Data can be entered or modified directly on the graph.
3. Achieving the function of software is more important than the appearance of beauty.

**The advantages of GUI:**

1. Make the calculation much simpler.
2. Pass data directly to the backend, and present data according to the calculation results. It may avoid data loss in the forward and backward transfers.
3. Implementing localization will be very simple.
4. Software may run faster.

The advantages of front end:

1. The interface may be more beautiful.

**Tony’s advice:**

1. Avoid putting calculations on the front end and reduce data loss or changes during transmission.
2. Search relative information online.
3. If team have enough time, make two prototypes to compare may be better.
4. Focus on the reasons for team’s choices
5. Interim report should be submitted to Tony one week prior to the deadline, he can provide some feedback to help team to improve.

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**Work to be completed next week:**

1. Make decision.
2. Provide prototype with GUI
3. Implement the function of chart presentation.