Meeting Agenda (week 4)

Date Month Year, Duration

19/8/2021 19：00pm-20:00pm

Attendance:

Member	Attendance
Yuliang Ma	Yes
Jiawei Fan	Yes
Yuchen Wang	Yes
Xiaoxiang Kong	Yes
Yixian Qiu	Yes
Jiaye Li	Yes

Main objectives:

1. Elaborate our research outcomes regarding Google, AWS and open source relative algorithms.

2. Formulate technical route.

3. Arrangements

Research about Google, AWS, open-source algorithms:

1. Google AI platform apis can deal with speech-to-text task and document semantic analysis. However, it cannot handle extraction of content of images in videos easily. Maybe it is because we did not find appropriate combination of apis.

2. The apis offered by Amazon are easy to use and it contains all functions that we want. The interfaces that allow users to experience its functionality is friendly and the output is really accurate. Hence AWS is a good choice.

3. The members who did open-source research found some NLP and CV algorithms but their performance is really unstable, and it will cost plenty of time to integrate them as one project.

Technical route:

1. We use apis offered by AWS to extract graphical information from videos and other corresponding apis to "listen" the actor's talk in case that the expected information is directly given. In our early stage, age and gender are prior attributes that we need to accurately obtain

2. After we solve the first issue, we will continue to add more types of labels to the label sets and test them.

3. We will integrate the labels we extract into one diagram so that they can be clearly viewed and it will be saved in the database designed by us.

4. We will also keep in contact with our client in case that some additional requirements are put forward.

Arrangements:

1. Yuliang Ma, Yuchen Wang, Jiawei Fan will construct demo until we start to prepare for the next Audit.

2. Other members keep our repo updated.

Task delegation:

Name	Task
Yuliang Ma	Coding
Yuchen Wang	Coding
Jiawei Fan	Coding
Xiaoxiang Kong	Decision log, meeting minutes
Jiaye Li	Research
Tao Qu	Work log
YiXian Qiu	Risks and constraints