**Analysis of the interview(Requirements)**

**Supreet**

1.      Absolutely must include

-        Seamless and active participation not just for attending online classes but also being able to be actively involved in them.

(The most pivotal aspect is being able to attend the online lectures and apart from that I believe being able to participate i.e. having tools that allow users to be ‘active’ in between sessions such as ‘Raise Hand’ option. Upon clicking this option participants are automatically sorted in a queue (order in which they selected). Users have pointed out their frustration at not being able to speak up in class due to chaos when it comes to doubt sessions. Not only will this option rule that out by maintaining decorum in session away from all the fuss about who goes first but is also essential for bringing out the true purpose of a class.)

2.      Should include

-        Features and tools that not only allows communication but enforces it between members of the class, including the professors and teaching assistants.

(For quite a number of students communication is a barrier hence the need for tools to help them cross this hurdle such as being able to post a discussion thread, or contact classmates either by chat or call through the application (this also takes care of privacy concerns for some). Sometimes others’ doubts could also be someone’s query or sometimes a student may have not understood the assignment/concept and wants to seek help , therefore increasing communication will promote better understanding among students and uplift them intellectually too. As a bonus it can also improve communication skills for some of the students.

3.      Could include

-        Option to ask queries anonymously

-        Option to share screen and other needed materials

(It has been observed that few students often feel shy or awkward to ask doubts in a class with a strength 100-150 or even 50 because they fear being perceived as stupid or dumb. Although I do believe that there is no shame is asking question however dumb they may be adding a option that obscures your name could benefit active participation of class. Moreover, adding tools that allow sharing of screen or other documentation could demonstrate better understanding of concepts.)

4.      Exclude

-        Specific format for uploading files.

(This has been a major issue among students who have even lost grades due to the aforementioned “feature”. Majority of the time file submission format is not compatible with the file that the students are able to upload. This could either be due to difference in application used or operating system. Students have to make an extra effort on numerous occasions to either convert their file format using untrusted online resources that takes between seconds to even hours and does not guarantee precision when the format is being changed such as word documents to pdf or they have to create the submission again in the specified format.)

**Analysis of the interview(Requirements)**

**Zhe Liu**

1.  Absolutely must include

A: Make it easier for students to state their opinions or questions. Living chat can send photos and screenshots.

B: Private mailbox function. Students can leave messages for other students. The reason for not using the private chat function is to prevent students from chatting in class.

C: Raise your hand to speak (to prevent multiple speakers from speaking at the same time)

The main goal of this section is to make it easier and more effective for users to participate in online courses. Compared with In-person classes, online courses limit students' interaction and participation.

2. Should include

A: There is an option for students not to show the video or name to anyone except the professor. Make it easier for shy students to participate in the class actively.

B: Video synchronization download function. The live lecture is synchronized to a local file. With this extension, teachers can choose to let only students in the course synchronize the videos.

Some of the features here enhance the students' learning experience. It is also helpful for teachers to evaluate students' participation scores.

3. Could include

A: Analog classroom interface, instead of video window grid

B: Internal panel on live lectures that access class materials

These features enrich the program, but there are alternatives, such as the ability for teachers to send links to download materials in chat channels.

c.. Microphone/camera issues

4. Exclude

a. File type compatibility

The target user of this program is university students, students themselves should know how to convert commonly used files such as PDF, Word, TXT, and so on.

**Analysis of the interview(Requirements)**

**Pritpal**

1.       Absolutely must include

a.       Built in menu for documents/lecture notes/email/ and communication with team/classmates

The main goal of this portion is to allow easy access for users so they can remain focused on the lecture without having to mess around with tabs which could be a problem for people with slow pc or if they on a phone and find it hard to multitask using multiple tabs

2.       Should include

a.      Completely anonymous participation mode to alleviate shyness

b.       Communication panel to show which inputs/outputs are being used to easily troubleshoot audio issues

These fixes to the UI will allow students to feel more safe and be able to solve issues which were preventing them from participating

3.       Could include

a.       Bigger on screen indicator showing volume options and if your mic currently picking up audio or not

b.       Ability for students to describe how they are reacting if camera is turned off

c.       Add notifications when live lectures are beginning

d.       Possibly add a reward system for actively participating students to increase number of students attending lecture live

Small changes to improve the usability of certain small tasks to allow for more usability to increase number of students participating in lectures

4.       Exclude

a.       File type compatibility

b.  Camera shyness, and others users having their cameras turned off

Issues which are not a concern for us

**Analysis of the Interview (Requirements)**

**Rahil Sharma**

1. **Absolutely must include:**

* A Live chat feature which will make the communication with classmates/teachers easier and can send documents, photos.

* A Note taking option, where the note saves automatically and one can write without the need to find the notebook nearby.

* A screen sharing option and be able to write on the screen.

1. **Should include**

* Save chat option.

* A function to switch between the audio outputs connected. Take for example, switch the audio from the PC speaker to the bluetooth device.

* Only one platform to send emails (For Example, while sending email to someone link it to the gmail/outlook.)

* Recording of live lectures every time.

1. **Could include**

* How they are responding on camera when the camera is off in front of the class.

* An internal option to access the class materials.

* Change the theme to some other color. For Example, system skin, dark skin or light skin.

1. **Exclude**

* Login when unnecessary (For example, on normal lectures it should be optional to login.)