

2301350

# Video Conferencing Technology

USER INTERFACE DESIGN



# Blackboard collaborate™





# Overview



**Attribute Grammar for Declarations**

Grammar Rule	Semantic Rule
dec $\rightarrow$ type varList	varList.dtype = type.dtype
type $\rightarrow$ int	type.dtype = int
type $\rightarrow$ float	type.dtype = real
varList <sub>1</sub> $\rightarrow$ id , varList <sub>2</sub>	id.dtype = varList <sub>1</sub> .dtype
varList $\rightarrow$ id	id.dtype = varList.dtype

Diagram illustrating the parse tree for the declaration: `dec` (dtype=real) branches into `type` (dtype=real) and `varList` (dtype=real). `type` branches into `float`. `varList` branches into `id` (dtype=real) and `varList` (dtype=real). The inner `varList` branches into `id` (dtype=real).

Participant list (Everyone):

- Jidapa Dilokpaphat joined the session
- Jaruloj Chongstivavana Hello
- Phattharaphon Khammun สวัสดีครับ
- Damrong Tongsiro
- Woranon Chantaree
- Napat Pipatrojanakamol ครับ
- Neo Seebunrueng สวัสดีค่ะอาจารย์
- Jaruloj Chongstivavana Reconnect

Blackboard Collaborate Classroom Session

**How might we ?**

- ▶ บ้าสมศรีขายลูกชิ้นพื้นค้าขายได้น้อย ต้องการ รู้สึกมั่นใจและสบายเวลาไปทำพื้น เพราะว่ามีอายุหมอพื้นของตัวเองมีพื้นค้าและเมื่ออายุปากต้องช้าปากนาน
- ▶ เราจะทำให้บ้าสมศรีมั่นใจในตัวเองมากขึ้นเวลาไปหาหมอพื้นได้อย่างไร
- ▶ เราจะทำให้บ้าสมศรีไม่ต้องช้าปากนานเวลาไปหาหมอพื้นได้อย่างไร
- ▶ เราจะทำให้บ้าสมศรีที่พื้นค้าไม่อายุหมอพื้นได้อย่างไร

Participant list:

- Thanawin Arph...
- Nagul C
- Damrong Tongsiro
- warattaya lertw...
- Pranwas Srianan

Zoom Meeting Session

Grammar Rule	Semantic Rule
dec → type varList	varList.dtype = type.dtype
type → int	type.dtype = int
type → float	type.dtype = real
varList <sub>1</sub> → id , varList <sub>2</sub>	id.dtype = varList <sub>1</sub> .dtype varList <sub>2</sub> .dtype = varList <sub>1</sub> .dtype
varList → id	id.dtype = varList.dtype

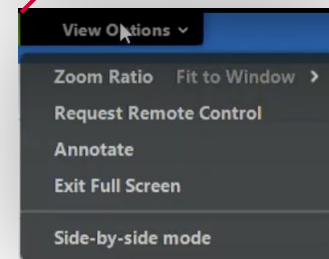
```

graph TD
    dec --> type
    dec --> varList
    type --> float
    varList --> id1[id]
    varList --> varList2[varList]
    id1 --> id1
    id1 --> id2[id]
    id2 --> id2
    
```



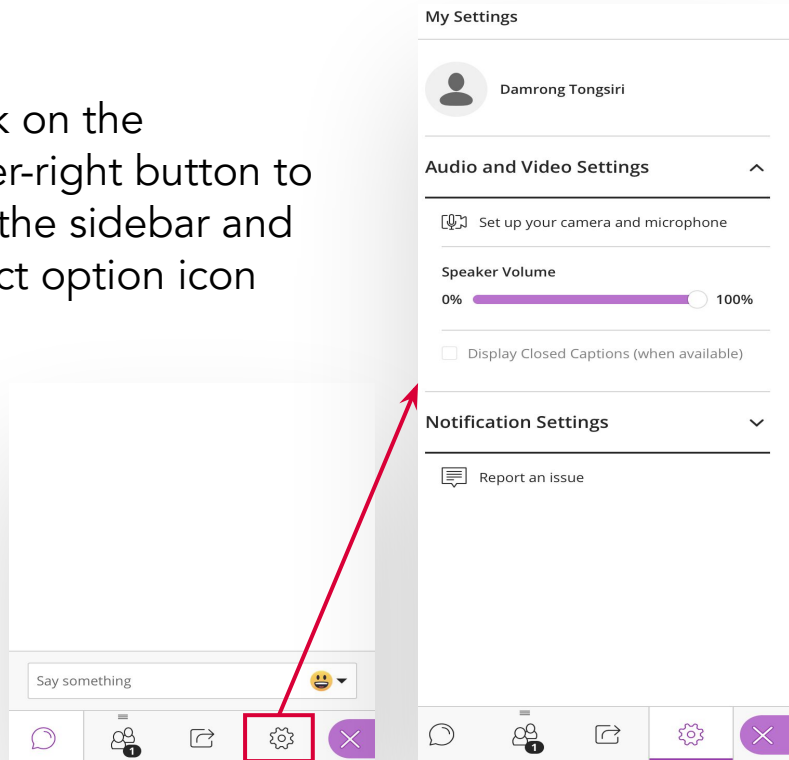
View Controls

- Hide/Show Controls
- Zoom In
- Zoom Out
- Best Fit
- 1:1 (True Scale)



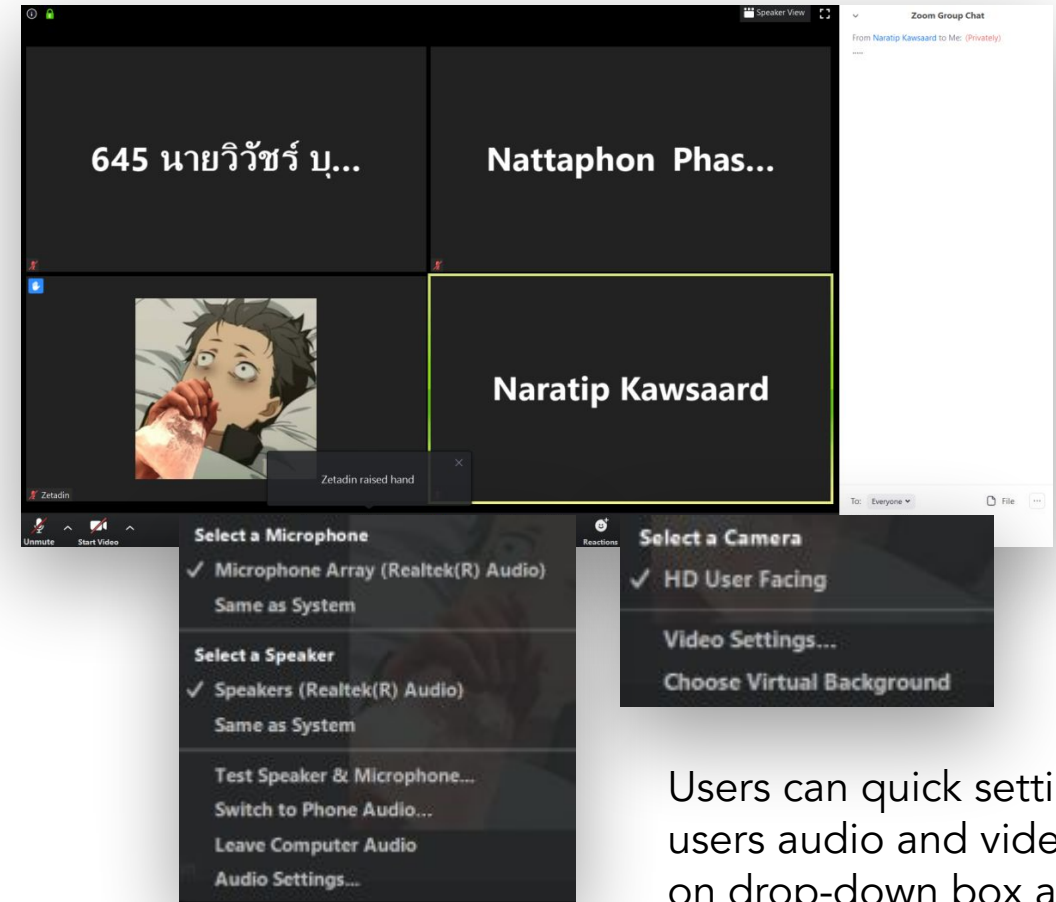
- Video view is adjustable using view options on the top of screen
- A drop down view menu is shown with its description

Click on the lower-right button to use the sidebar and select option icon



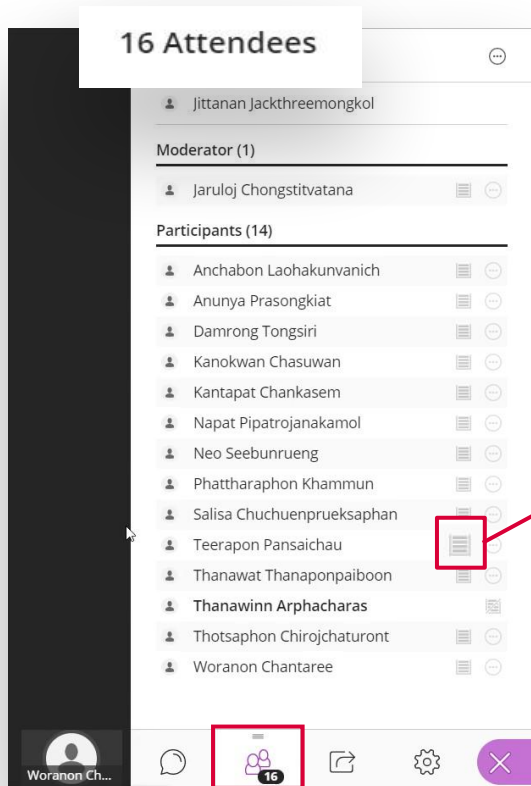
Then you can configure:

- Speaker volume
- Camera
- Microphone volume

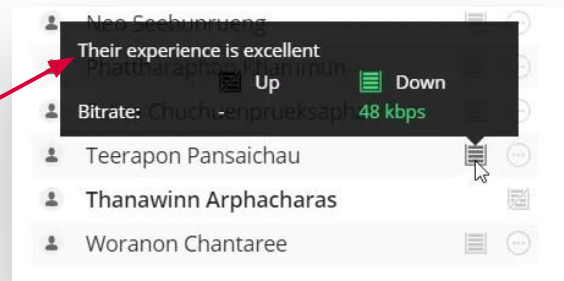


Users can quick setting users audio and video on drop-down box at bottom left menu

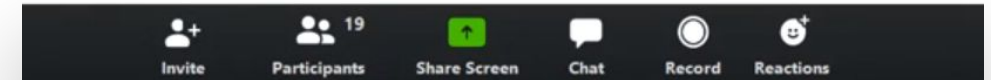
# Participants



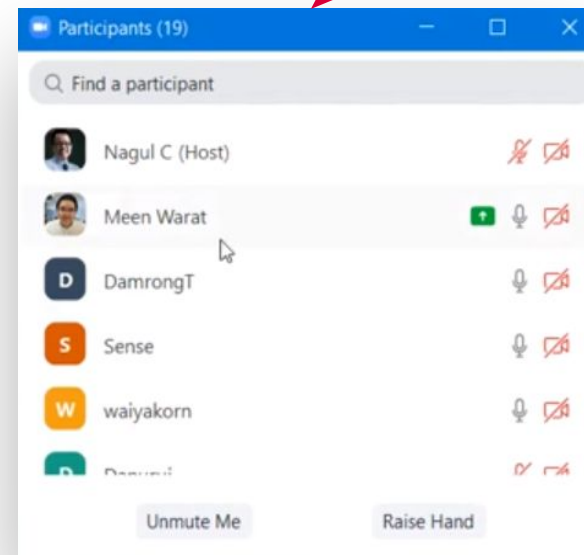
Attendee window show numbers and name of attendees



Also, quality of their internet connection.

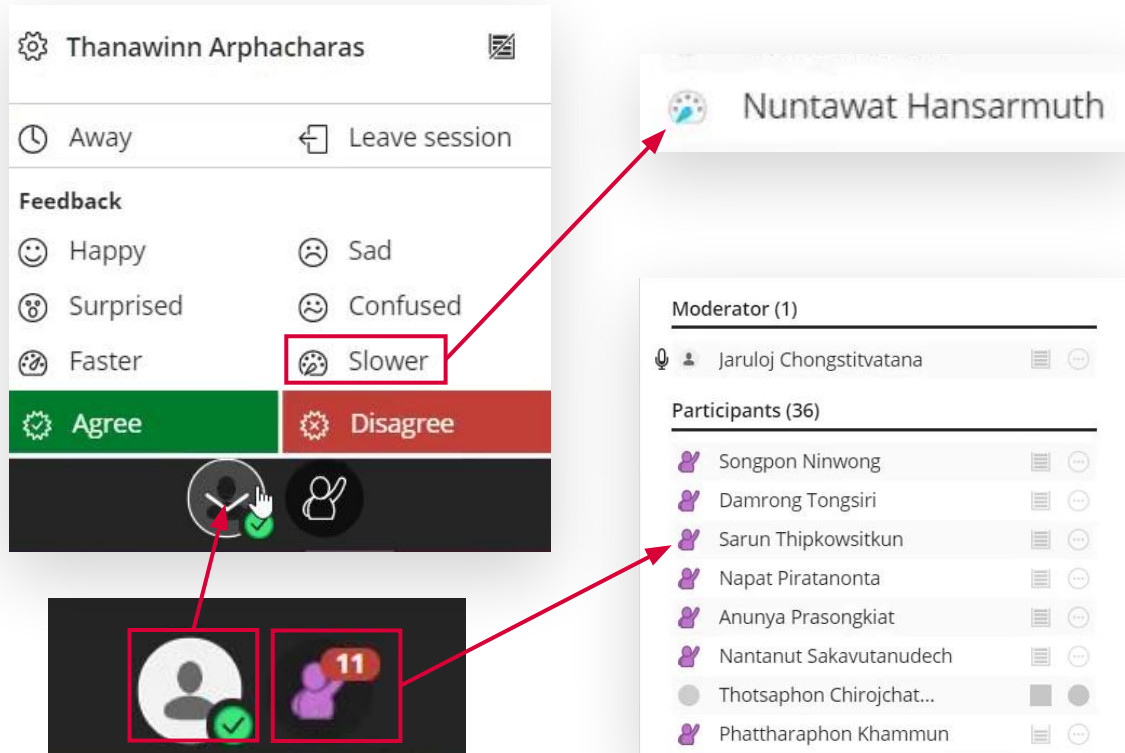


Participant icon show numbers of participants

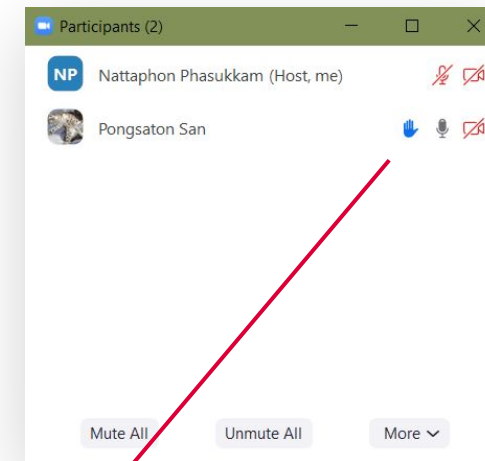


Pop-up windows of participants show about numbers, name, status of camera and mic of participants and status of screen sharing on conversation

# Feedback



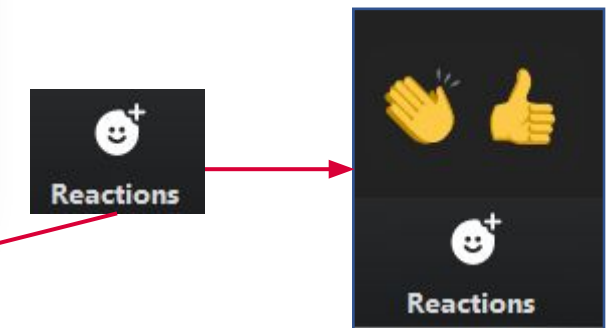
Attendee can express themselves by raising hand or clicking other feedback options

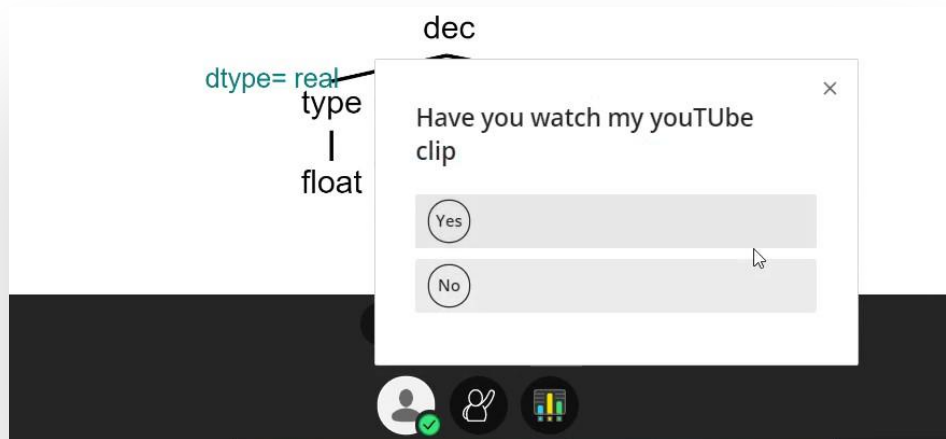


Attendee's can express by use raising hand or use reaction options but reaction is less indicator than Blackboard



Attendee's expression will show on top left of attendee's display



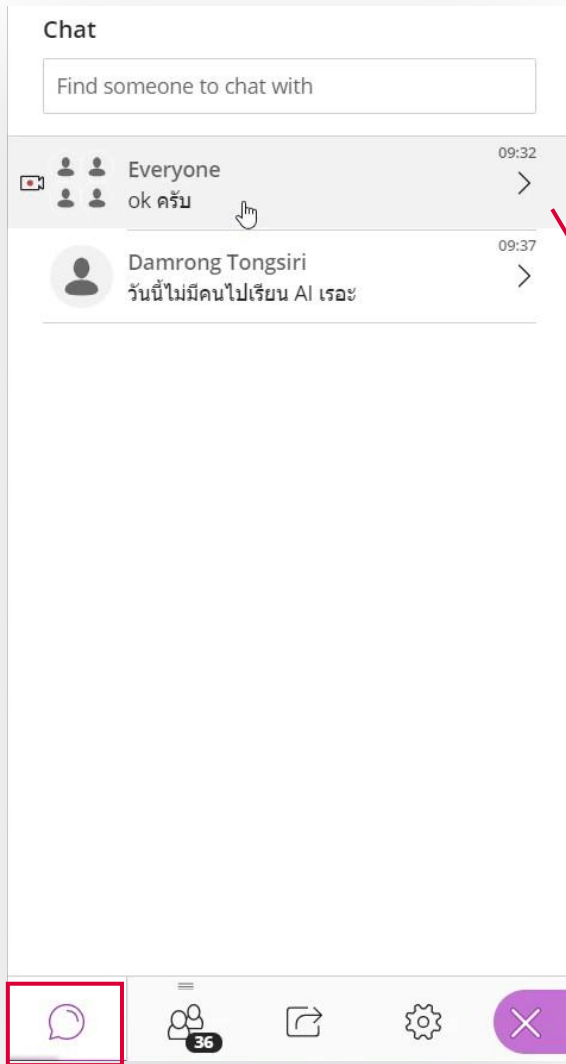


Moderator can create a poll to receive anonymous feedback (user can not see the result).



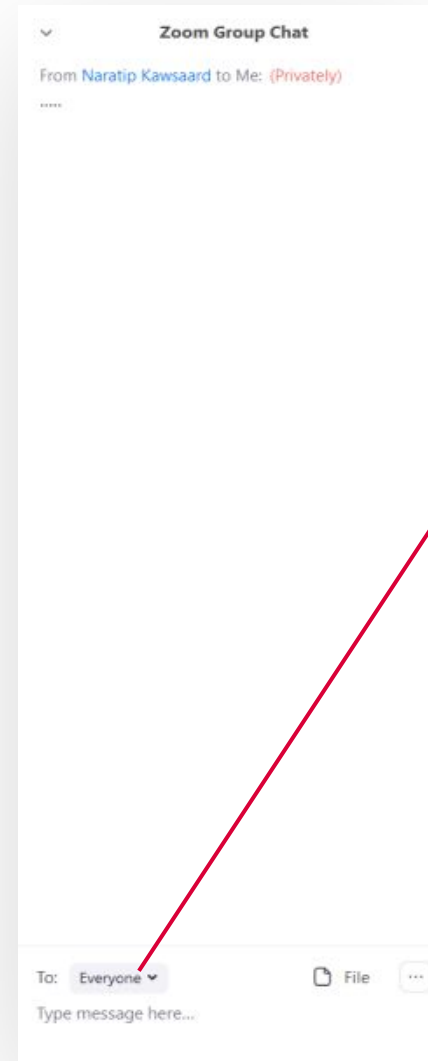
Everyone can participate in polling and can share their screen if host allowed.



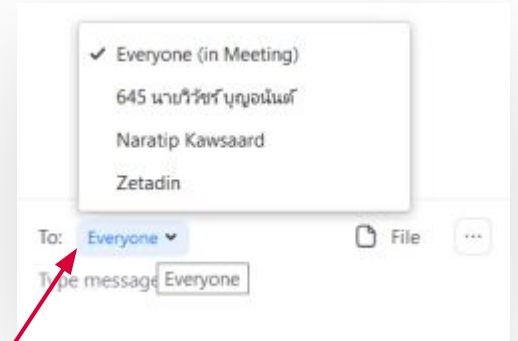


User can chat in public or in private by shifting to chat window

- Chat box supported both Thai, English and Emoji.
- Voice chat is also supported.

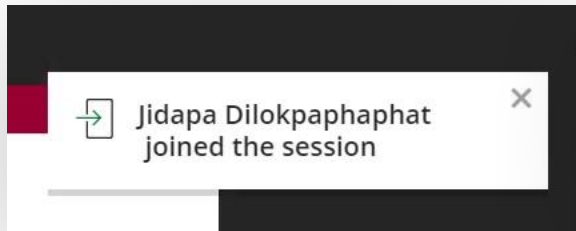


- User can chat in public or in private by select a person to chat in a drop down window.
- Chatbox supported Unicode chatting (Thai, English and Emoji also included)
- File Sharing in the Chat is also supported.

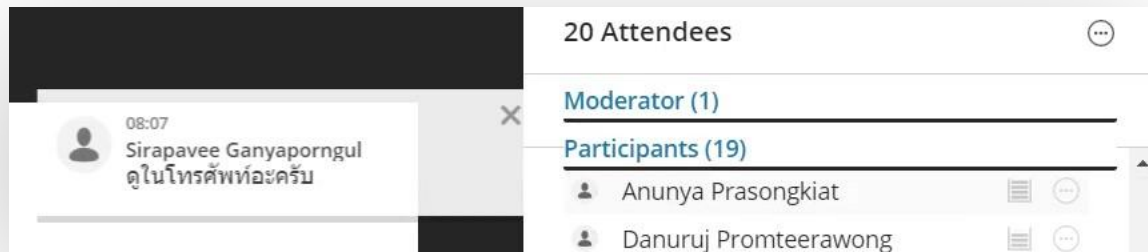




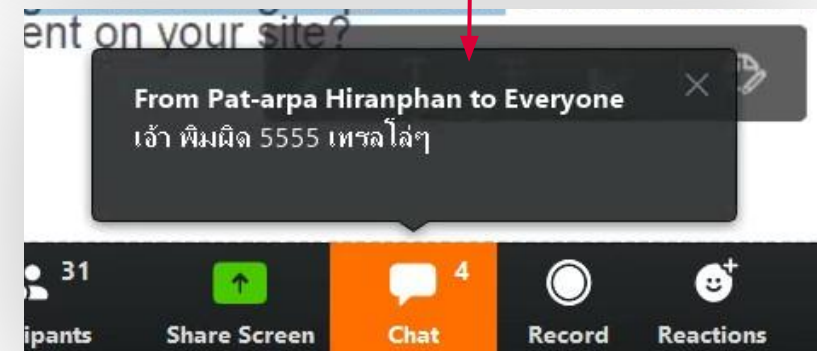
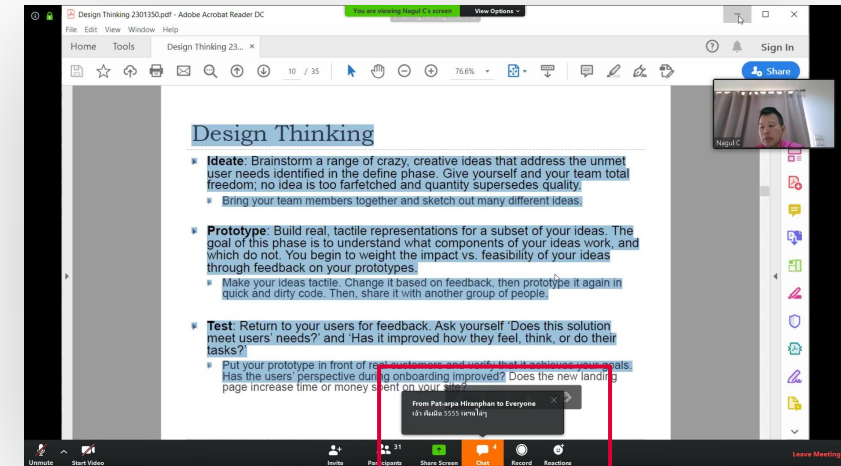
# Notification



User will be notified when someone joined or left the class



And when user are not at chat window, chat will be notified.

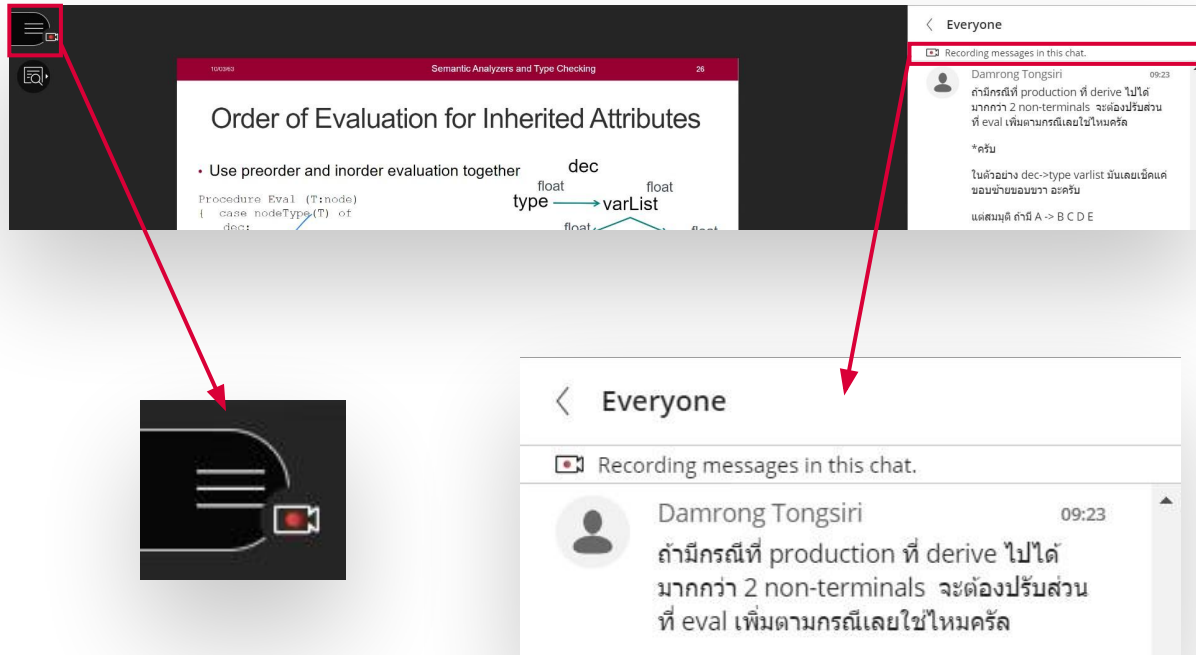


Chat are notified above chat icon.

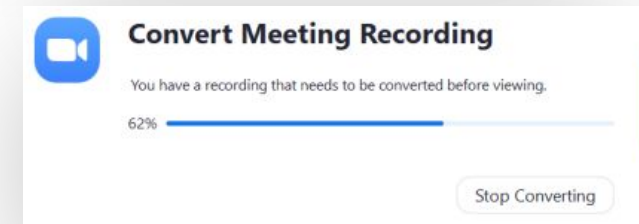
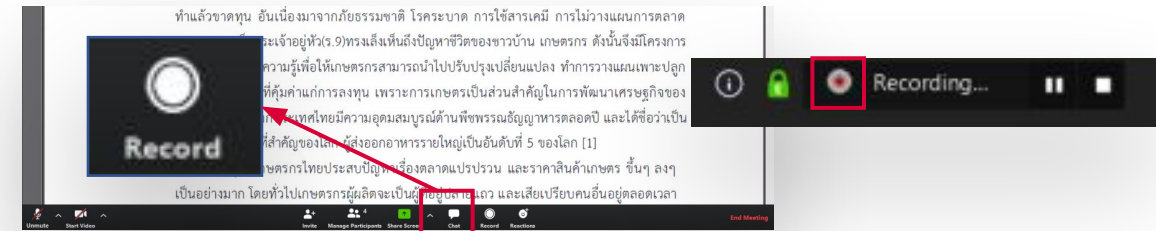
# Recording



Moderator can record the session, including public chat, which can be watch later via Blackboard.

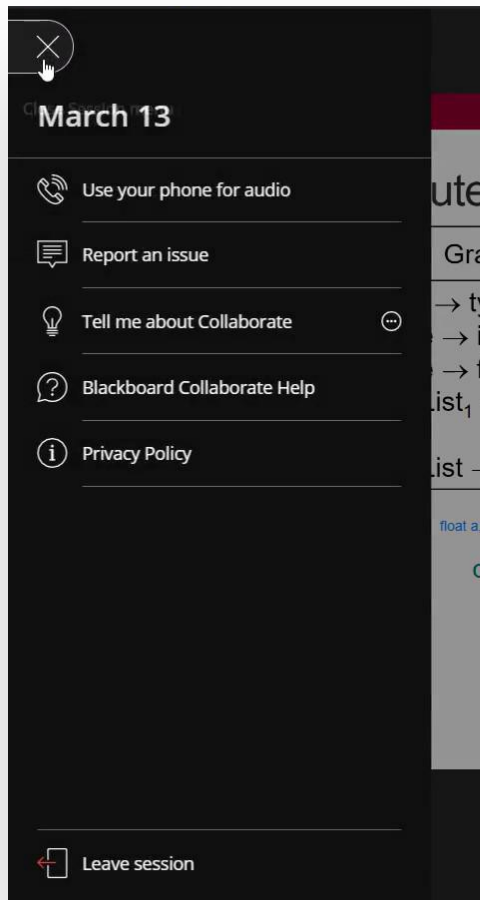


Users in session can record live video for watch later into users device



Recorded video was converted automatic after end of each meeting and Zoom will pop-up folder of recorded video for users after finish convert video

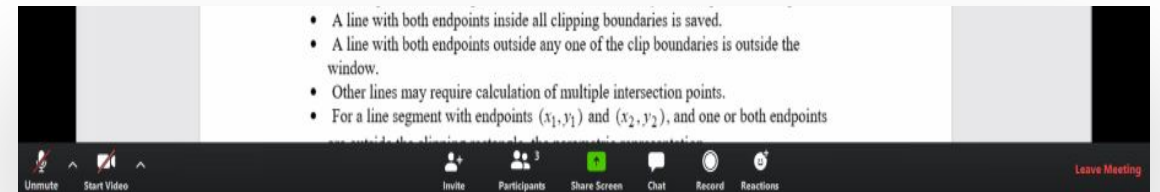
Sidebar menu is located at top left corner



From top to bottom:

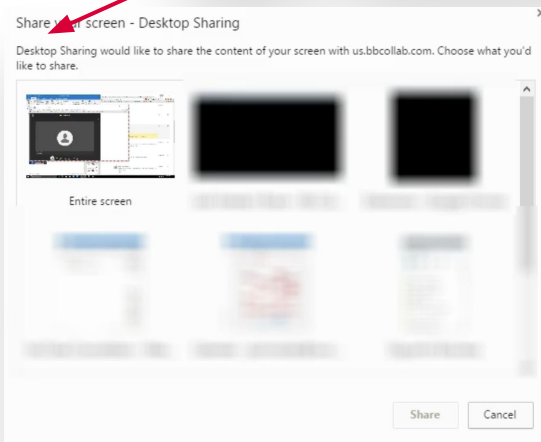
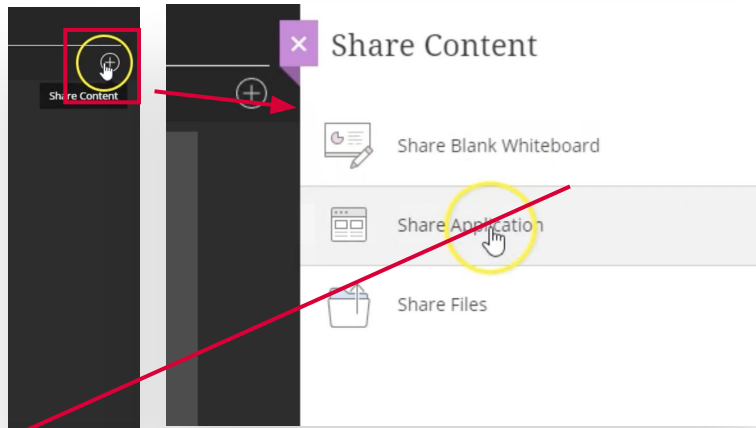
- Session name
- Use phone for audio
- More info
- Help
- Privacy Policy
- Leave session

Menu bar is located at bottom of screen and default state of menu bar is hide itself from screen



From left to right:

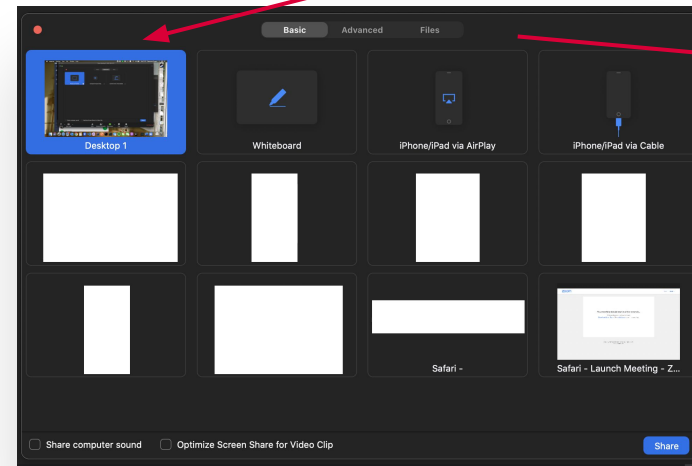
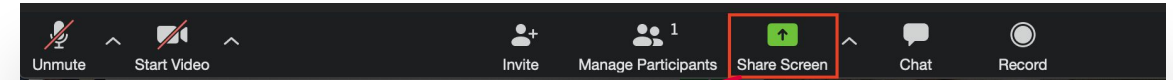
- Audio and video settings
- Invite users
- Participant
- Screen sharing
- Chat
- Record
- Reaction
- Leave session



From top to bottom

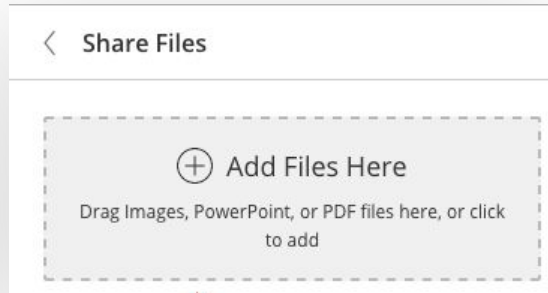
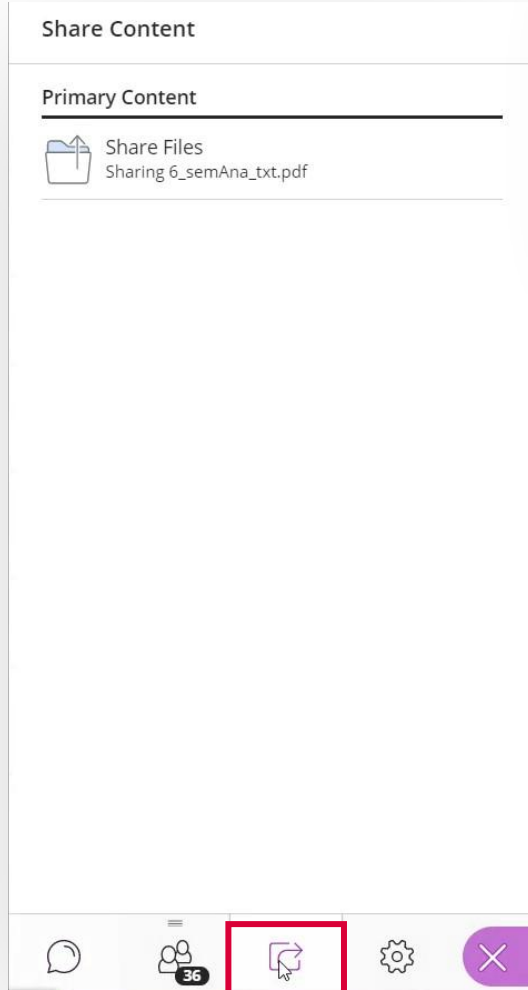
- Share blank whiteboard (use for writing)
- Share application screen
- Share files (jpg, png, pdf, ppt)

Select share application then select the application screen that you want to share

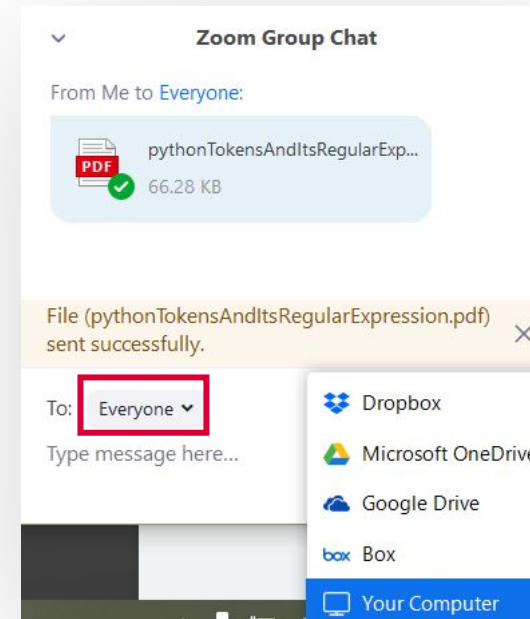
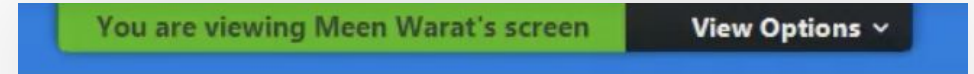


If you want to share a file (jpg, png, pdf, ppt) select this Files bar

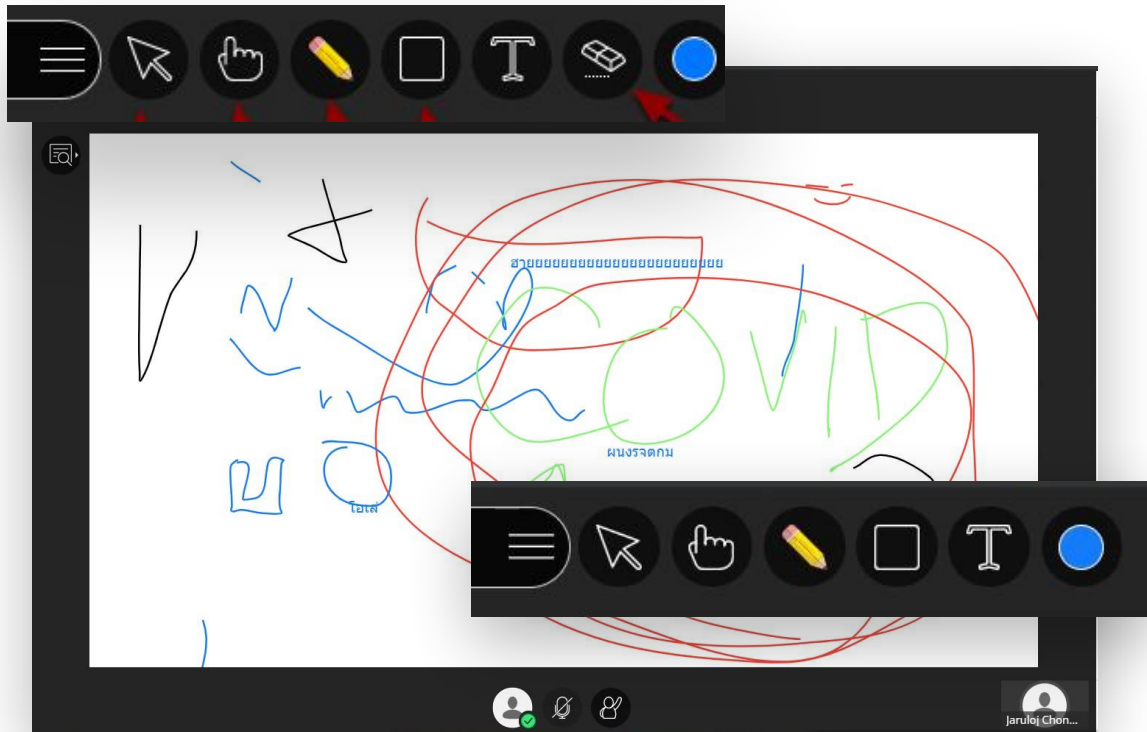
Select a screen which you want to share



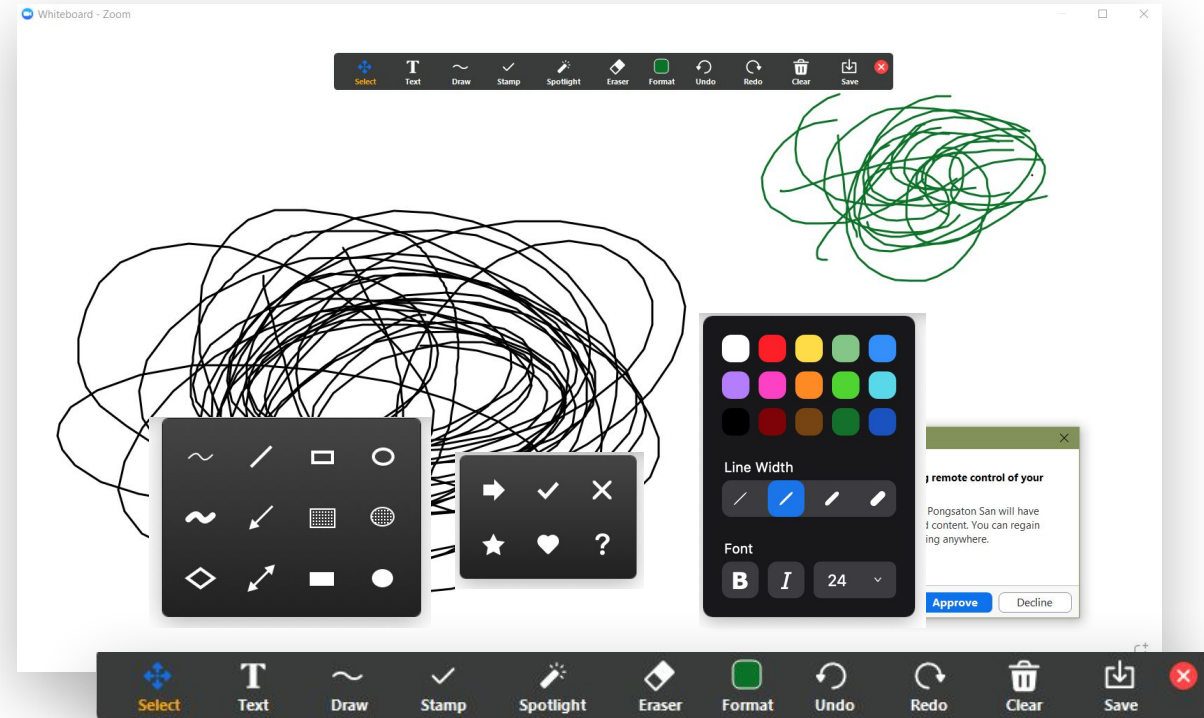
- Drag and drop image, ppt or pdf file from local device
- Showing what moderator are sharing on screen
- Participant can download showing document from Share tab



- Files and documents can be shared into chat
- Upload files from Dropbox, OneDrive, Google Drive, Box and Local device in any format
- Uploader can control the visibility of the file (to everyone, or specific person)



Moderator can allow all user to write, type or draw on session's blank whiteboard simultaneously



Moderator can allow all user to write, type or draw on session's shared application screen or blank whiteboard simultaneously



**LOG IN TO BLACKBOARD**

Username  
60396277

Password  
\*\*\*\*\*

Sign In

**SYSTEM ANNOUNCEMENT**

แจ้งระบบใหม่พร้อมใช้งานระบบ Blackboard  
หมายเลข 00000000000000000000

วันที่	หัวข้อการแจ้งเตือน	รายละเอียดการแจ้งเตือน
1	06 มิ.ย. 62 - 20 มิ.ย. 62	2 มิ.ย. 62
2	20 มิ.ย. 62 - 14 ก.ค. 62	24 มิ.ย. 62
3	14 ก.ค. 62 - 07 ส.ค. 62	24 มิ.ย. 62

**FORMS**

แบบฟอร์มขอตั้งรายวิชาบนระบบ Bb  
Application Form to Create Course for Blackboard  
(For Instructor)

แบบฟอร์มขอตั้งรายวิชาบนระบบ Ultra  
Create Course for Blackboard Ultra form  
(For Instructor)

แบบฟอร์มขอความช่วยเหลือหรือแจ้งปัญหา  
Service Support Form or Report a Problem  
Blackboard & Echo 360

แบบฟอร์มขอใช้งาน  
Echo Active Learning Platform (ALP)  
สำหรับอาจารย์

Integration: Account connected to Blackboard Chula, which mean you can not change your name. Therefore, attendees can be easy to identified and graded.



Virtual background: User can select still or moving image as their background (working fine even without green screen\*)

\*depends on your webcam quality and light situation





LOG IN TO BLACKBOARD

Username  
60336277

Password  
\*\*\*\*\*

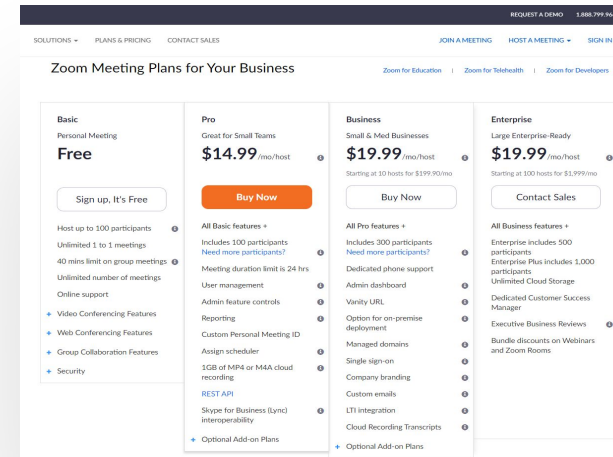
Sign In

## Pros:

- Completely free for Chulalongkorn University student and teacher.
- Attendees are easy to identified.
- Attendees are easy to graded.

## Cons:

- User must have Chula account to use this service.



Zoom Meeting Plans for Your Business

Basic	Pro	Business	Enterprise
Personal Meeting	Great for Small Teams	Small & Med Businesses	Large Enterprise-Ready
<b>Free</b>	<b>\$14.99</b> /mo/host	<b>\$19.99</b> /mo/host	<b>\$19.99</b> /mo/host
Sign up, It's Free	Buy Now	Buy Now	Contact Sales
Host up to 100 participants	All Basic features +	All Pro features +	All Business features +
Unlimited 1 to 1 meetings	Includes 100 participants	Includes 300 participants	Enterprise includes 500 participants
40 mins limit on group meetings	Need more participants?	Need more participants?	Enterprise Plus includes 1,000 participants
Unlimited number of meetings	Meeting duration limit is 24 hrs	Dedicated phone support	Unlimited Cloud Storage
Online support	User management	Admin dashboard	Dedicated Customer Success Manager
+ Video Conferencing Features	Admin feature controls	Option for on-premise deployment	Executive Business Reviews
+ Web Conferencing Features	Reporting	Managed domains	Bundle discounts on Webinars and Zoom Rooms
+ Group Collaboration Features	Custom Personal Meeting ID	Single sign-on	
+ Security	Assign scheduler	Company branding	
	1GB of M4V or M4A cloud recording	Custom emails	
	REST API	LTI integration	
	Skype for Business (Lync) interoperability	Cloud Recording Transcripts	
	+ Optional Add-on Plans	+ Optional Add-on Plans	

## Pros:

- Virtual background.
- Everyone can access for free.
- Available across multiple platforms.

## Cons:

- Can't host meeting longer than 40 minutes in free version.

Thank You.

