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Creative Board Website

UX Wireframe v2.7.0.19

Optoma | SAC SW Design

Content

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Version history

Version	Date	Owner	Description
v0.11	2019.05.20	Winnie	New version
v0.12	2019.06.02	Winnie	1. Separate Collaboration and ProService into 2 web. 2. ProService account becomes a login source.
v0.13	2019.06.03	Winnie	1. Add “invitation letter” process and modify share list placement (page 06). 2. Add “join with link and project code” process (page 07).
v0.14	2019.06.05	Winnie	New flow 1. Personal Settings> General Settings: username edit feature (page 04). 2. Sort by name, by time or by owner (page 04). 3. Whiteboard editing feature (page 08-09). Update flow 1. update editor & viewer authorization (page 06).
v2.0.0.0	2020.08.10	Renee	Revised version
v2.0.0.1	2020.08.12	Renee	Mainpage 1. Projects include joined project (page 04). 2. Remove Google Hangout integration (page 04). Project 1. Projects access expired description (page 06). 2. Remove copy project dialog (page 07). 3. Share with email, not registerd account process (TBD) (page 10). 4. Video call changed to 3rd party video call integration (TBD) (page 12.13). Toolbar 1. Pen: Add pen color palette and description (page 15). 2. Ruler: Add ruler collaboration behavior description (page 15). 3. Embedded browser: add no internet connected status (TBD) (page 16). 4. Embedded browser: drag and drop image/ video to canvas (page 16). 5. Import: drag and drop file to canvas (TBD) (page 16). 6. Zoom tool: behavior (TBD) (page 17).
v2.0.0.2	2020.08.17	Renee	Mainpage 1. Owner deleted project, user can copy project to their account (page 04). 2. Editor/ Viewer removed project, user will not show in project’s member list again.(page 04). Project 1. Add open project from file and import project (page 06). 2. Join project: signed in and guide to joined project, project saved to project list (page 07). 3. Save project: sign in to export project (page 08). 4. Invite member with email: not registerd account guide to join with project code (page 11). 5. Editing cursor: Add leaved member toast reminder. (page 15). Toolbar 1. Post-it: Add default texting mode (page 16). 2. Import: Add import iwb file (page 17). 3. Import: PDF, DOC file format (TBD) (page 17). 4. Zoom tool: behavior update (page 18).
v2.5.0.0	2020.08.19	Renee	Mainpage 1. Owner deleted project, user can’t access project again (page 04). Project 1. Project menu add “New” project (page 06). 2. Import project: Viewer can’t import (page 06). 2. Join project: signed in and guide to joined project, project saved to project list (page 07). 3. Save project: sign in to export project (page 08). 4. Invite member with email: not registerd account guide to join with project code (page 11). 5. Editing cursor: Add leaved member toast reminder. (page 15). Toolbar 1. Post-it: Add default texting mode (page 16). 2. Import: Add import iwb file (page 17). 3. Import: PDF, DOC file format (TBD) (page 17). 4. Zoom tool: behavior update (page 18).
v2.5.0.1	2020.10.30	Winnie	1. Sign in/ Sign up remove ProService and add Team Share (page 4). 2. Settings: Add Email and Password (page 6). 3. Revise dialog: Open or Import files from cloud (page 9-10). 4. Invite attendee let owner to setup editor and viewer’s share authorization (page 15-16). 5. Remove Tool bar and add Floating board (page 22). 6. Remove Post-it and Timer from Tool bar.
v2.5.0.2	2020.11.04	Winnie	1. Project search: by project name or own email (page 7). 2. User authorizaiton: add delete attendee dialog (page 13). 3. Embedded browser: revised insert weblink flow (page 23). 4. Remove page roll conflict flow (page 25). 5. Add Navigation flow (page 26, 27).
v2.5.0.3	2020.11.11	Winnie	1. Video call: add screen sharing and general/grid view feature (page 18-20).
v2.5.0.4	2020.11.12	Winnie	1. Settings: Add Floating board customization settings (page 6).
v2.5.0.5	2020.11.19	Winnie	1. Video call (page 19) - screen sharing: add viewer flow - view: add split view(only support full screen mode) 2. Embedded browser: revised video search flow (page 24) 3. Zoom: clarify canvas, tool bar and floating board rule (page 25)
v2.5.0.6	2020.11.26	Winnie	Video call (page 18-21)) 1. Navigation: drag 4 corner to adjust video call window’s size. 2. View: - Combine screen mode and view into one feature. - View: General, Side, Split and Grid. 3. Screen sharing: - Add screen captured feature. - 待確認 Sharer Application screen直接導入白板並進行操作及是否支援Entire screen sharing
v2.5.0.7	2020.12.18	Winnie	1. 客製化Floating Board 更新呈現方式 (page 6) 2. 方邊web操作, Floating Board 拆分Pen, Marker為不同按鍵(page 23) 3. 移除Embedded browser, 新增import image, video, URL flow (page 26)

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Version history

Version	Date	Owner	Description
v2.6.0.1	2021.01.08	Winnie	Remove 1. Settings>Cloud integration> Microsoft One Drive, Dropbox. 2. Video call
v2.7.0.1	2021.01.15	Winnie	1. Import file remove videos(.mp4, .mov) and documents(.iwb, .pdf) (page 11) 2. Export file remove .jpg, .png, .iwb and add .ara (page 12) 3. Embedded browser remove import video link (page 23)
v2.7.0.2	2021.02.05	Winnie	Update - Add import pdf flow (page 11) - Google Classroom dialog (page 18) - Text editing 功能不變, UI合併 (page 20) - 待確認 Canvas and Zoom tool 待討論 (page 21)
v2.7.0.3	2021.03.08	Winnie	Zoom (page 21) 1. 畫布維持有限畫布, Zoom tool 範圍修改為30%~300% 2. 畫布範圍=Zoom level 30%範圍 3. 移除Fit width/Fit height
v2.7.0.4	2021.03.16	Winnie	1. 新增Session 修改：功能不變, 減少新增Session的階層, 將template選擇dialog移到session list頁面 (page 8) 2. 3/9 TS meeting 討論加回的import pdf flow (page 11)
v2.7.0.5	2021.03.23	Winnie	1. Attendee list將Editor & viewer的invite other attendee權限移動到Attendee的最外層 (page 16, 17) 1.1 Attendee list最外層新增Setting 按鍵, 點下彈出Editor & viewer的invite other attendee權限設定視窗 1.2 移除Attendee list>invite attendee>Invite with email裡面Allow Editor/viewer to invite other attendee權限設定的checkbox 1.3 移除Attendee list>invite attendee>Invite with session code裡面Allow to invite other attendee權限設定的checkbox 2. 移除Attendee list>invite attendee>Invite with email裡面Send invitation email的checkbox（因為需要token 所以一定要寄Email）
v2.7.0.6	2021.04.07	Winnie	1. Invite attendee by email (page 16) 修改Invite non Team Share account的流程 - 邀請者邀請non Team Share account時會跳出提醒（提醒non Team Share account將以session code方式進入） - 受邀者若是non Team Share account, 則以session code方式進入 2. Template新增標示Color, Template填充區域的標示 (page 21)
v2.7.0.7	2021.04.26	Winnie	1. 補充session list分頁邏輯 (page 8) 2. User authorization: 修改Editor & viewer 切換到Group, 只能看到自己Group成員(page 15) 3. Template填充區域的標示修正 (page 21)
v2.7.0.9	2021.05.21	Winnie	1. 補充Google login, Google Drive, Google Classroom綁定及解綁邏輯 (page 7) 2. session list分頁一頁改為15個、當Session access expired, 只能remove from list, 移除Ok按鍵(page 8) 3. 待確認 Invite Attendee with Google Classroom邀請非Creative Board account是否可以出現Pending status 在invited list (page 16)

Version	Date	Owner	Description
v2.7.0.10	2021.07.19	Winnie	1. Invite Attendee with Email & Google Classroom (page 16) - 邀請非Creative Board account出現 Pending status 在invited list - 被邀請的非Creative Board account, 點擊Email連結導入Sign in/Sign up 畫面 - 當被邀請人Sign up的Email與被邀請的Email相符, 登入後Session list出現被邀請的Session 2. Classwork補充分類、排序定義 (page 18)
v2.7.0.11	2021.08.06	Winnie	1. Invite Attendee with Email & Google Classroom (page 16) 修改被邀請人收到邀請信的流程 1.1 被邀請email為Gmail: 點擊邀請信連結後, 畫面只出現Sign in with Google 選項 1.2 被邀請email為其他Email - 點擊邀請信連結後, 已經是CB account的導入Sign in page(沒有Sign in with Google按鍵) - 點擊邀請信連結後, Non CB account的導入Sign up page(沒有Sign in with Google按鍵) 2. 待確認、待修改功能 2.1 因Web可導入無限畫布, Zoom tool 待修改(需加入漫遊功能) 待修改 2.2 Region 需求personal template待修改 待修改 2.3 離線協作編輯待確認 待確認
v2.7.0.12	2021.08.16	Winnie	1. Invite Attendee with Email & Google Classroom (page 16) 1.1由Google Classroom邀請收到的邀請email: 點擊邀請信連結後, 畫面只出現Sign in with Google 選項 1.2由Email邀請收到的邀請email: - 點擊邀請信連結後, 已經是CB account的導入Sign in page(有Sign in with Google按鍵) - 點擊邀請信連結後, Non CB account的導入Sign up page(有Sign in with Google按鍵) 2. 待確認、待修改功能 2.1 因Web可導入無限畫布, Zoom tool 待修改(需加入漫遊功能) 待修改 2.2 Region 需求personal template待修改 待修改 2.3 離線協作編輯待確認 待確認
v2.7.0.13	2021.08.30	Winnie	1. 新增不可離線編輯的流程 (page 8) 2. Open file format 更新為ara (page 10) 3. Viewer/Editor Group修正UI呈現細節 (page 15) 4. Template因Region 需求加入personal template (page 22) 5. 因Web導入無限畫布, Zoom tool 待加入漫遊功能 待修改
v2.7.0.14	2021.09.09	Winnie	1. Invite Non CB account Attendee with Email (page 16) 收到的邀請email帶入帳密, 點擊連結導入預設有帳號的頁面, 重設密碼後重新登入後進入, 並看到受邀的session 2. 因Web導入無限畫布, Zoom tool 待加入漫遊功能 待修改
v2.7.0.15	2021.11.03	Winnie	Open file補充開啟的邏輯(page10)
v2.7.0.16	2021.11.12	Renee	Group補充沒有成員的邏輯與行為(page14) 待評估
v2.7.0.17	2021.11.19	Renee	1. Mainpage/Session補充網路離線與伺服器連線失敗提示與行為(page 08) 2. Attendee補充沒有成員的行為, Edit按鍵隱藏(page 14) 3. Attendee pending狀態補充行為定義, 不能設定為Owner(page 14) 4. Group補充Owner邏輯, 不屬於任一個group(page 14) 5. Invite with email補充無效email無法送出邀請的邏輯(page 16) 6. Invite with email邀請non Creative Board帳戶pending狀態邏輯補充(page 16) 待討論 7. Class新增無法開啟條件與提示(page 18) 8. Class新增Post失敗結果(page 18)

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v2.7.0.18	2021.11.25	Renee	1. Open file補充Local/Cloud storage開啟檔案顯示邏輯 (page 11) 2. Import file補充Local/Cloud storage置入檔案顯示邏輯與大小限制提示 (page 12) 3. Group補充成員pending狀態與行為, 無法設定為Owner (page 15) 4. Zoom tool改為Preview tool, 有限畫布改為無限畫布, 新增相關操作行為 (page 22) 5. Mouse gesture新增Preview tool操作行為 (page 26)
v2.7.0.19	2021.12.07	Renee	1. Import file補充選取物件顯示檔名與控制選項行為 (page 12) 2. Floating board_Sticker, Ruler&Protractor行為補充 (page 21) - 每頁可以同時有一組尺跟量角器, 其他成員要加入新的尺或量角器時, 跳出dialog提示 - 當一位成員正在使用(移動、旋轉、縮放、畫線), 其他成員無法使用 3. Preview tool_preview window顯示範圍與操作行為修改 (page 22)

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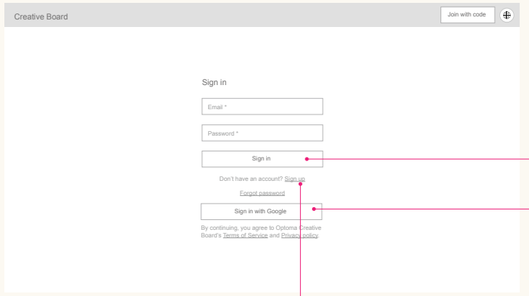
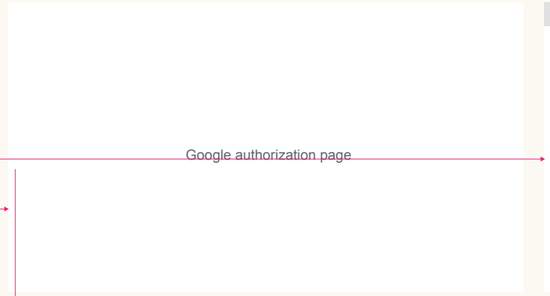
Sign in / Sign up

Sign in

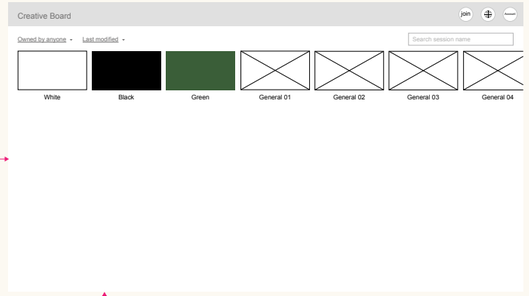


Sign in with Google



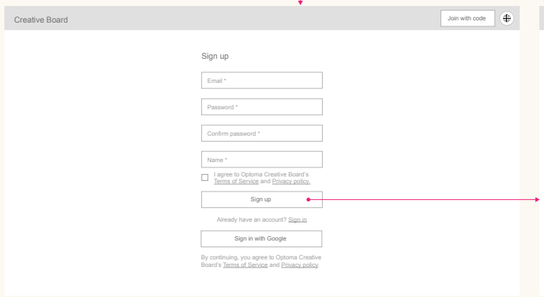
Google authorization page

Mainpage

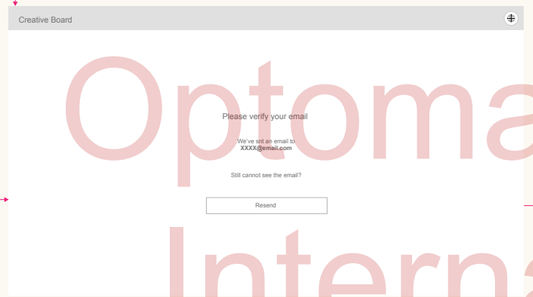


User can sign in Creative Board platform with
1. Creative Board account
2. Google account

Sign up



Email not verified



Email verified

- Name is not unique.

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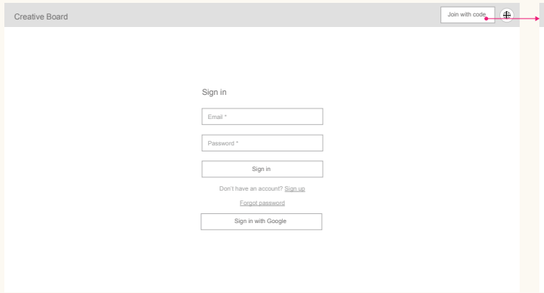
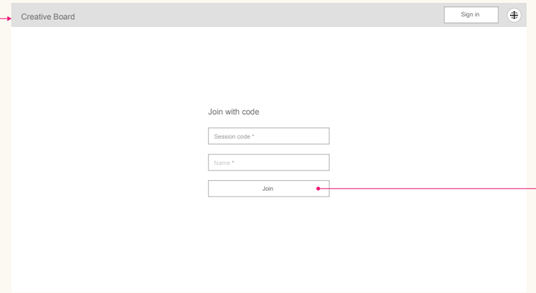
Join with session code

Not signed in

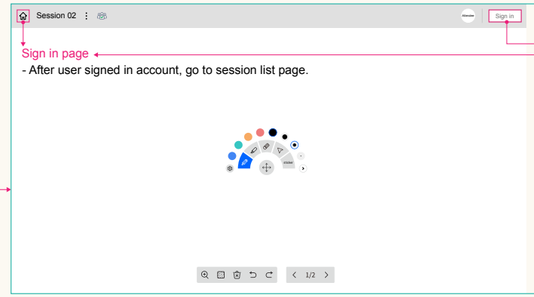


Join session (open a new page)



Enter session code and name.

Editor



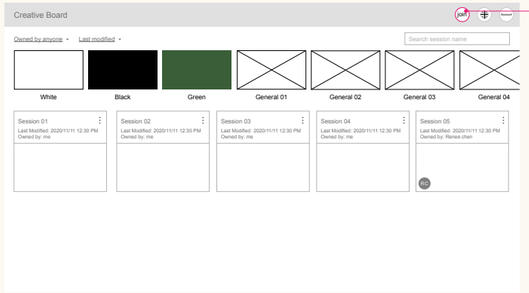
Sign in page
- After user signed in account, go to session list page.

Viewer

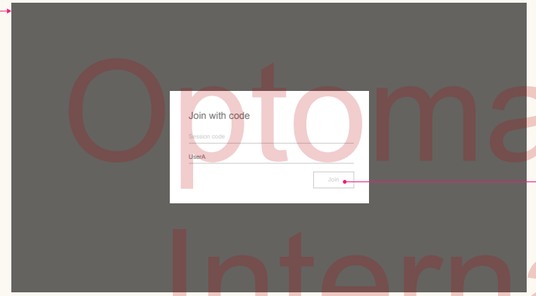
Sign in page
- After user signed in account, directly go to joined session page.
- Joined session will saved to session list.

When user didn't signed in account, press home and sign in button will go to sign in page.

Signed in



Join session (open a new page)

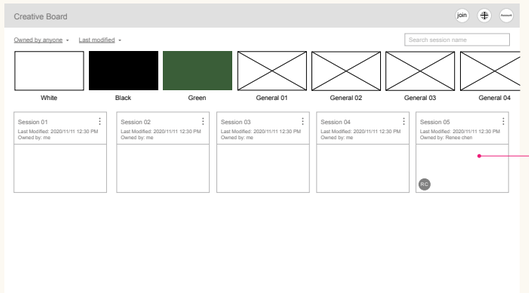


Auto fill in name.

Editor

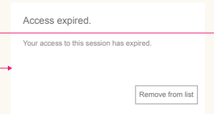
Viewer

Open joined session in session list



Signed in member open joined session:
- Session will show in the session list after joined.

If owner deleted session or refreshed session code,



If owner deleted session or refreshed session code, the session can't be open anymore.

Actions to expired session
1. OK (ignore and keep session in list)
2. Remove from session list

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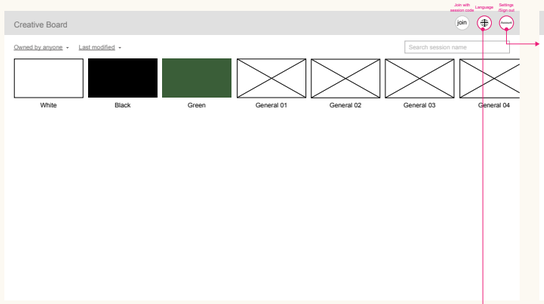
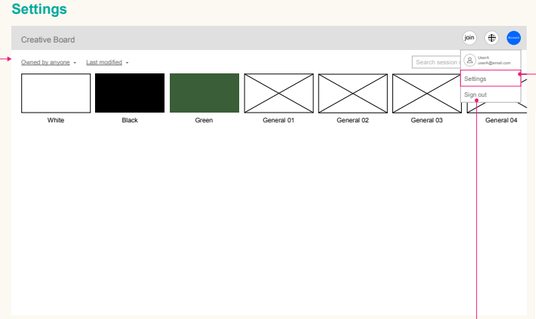
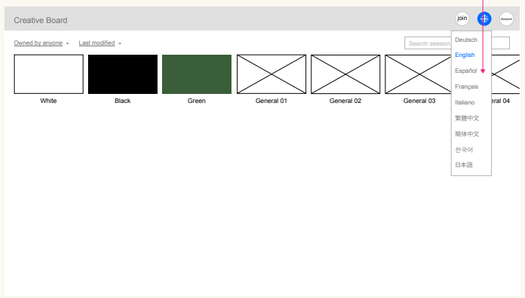
Settings



Settings

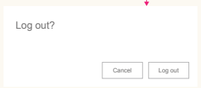


Language (TBD)

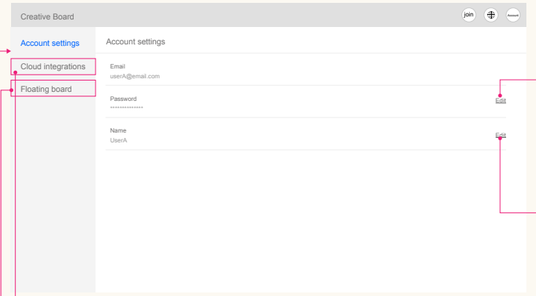


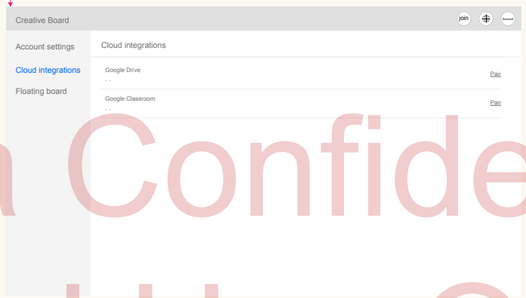
Default get browser language.

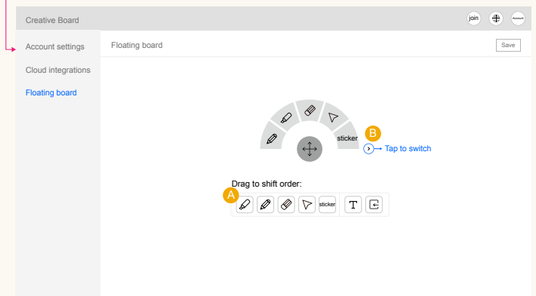
Sign out account



Settings for Sign in with Creative Board

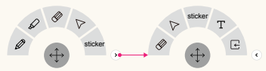




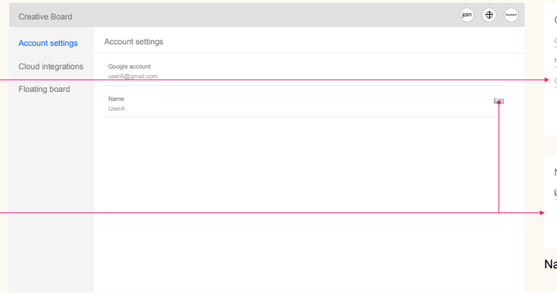


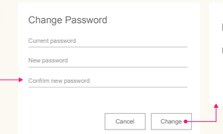
A 長按左右拖拉切換排序

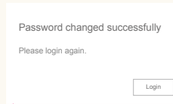
B 動態顯示客製化Floating board狀態

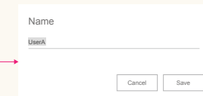


Settings for Sign in with Google









Name is not unique.

1. Google account login 是不能解綁的, 所以不會再設定畫面出現
2. Google Drive 可獨立綁定及解綁
3. Google Classroom可獨立綁定及解綁, 但是綁定解綁時需和Google Drive 一起

- 當Google Drive, Google Classroom皆未綁定，欲綁定Google Drive

- 當Google Drive, Google Classroom皆未綁定，欲綁定Google Classroom

一起綁定需一起解綁

- 當Google Drive已綁定, 欲綁定Google Classroom

分開綁定仍需一起解綁

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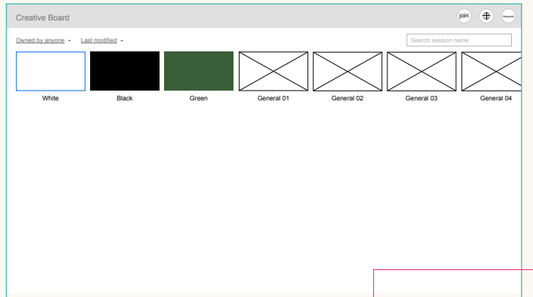
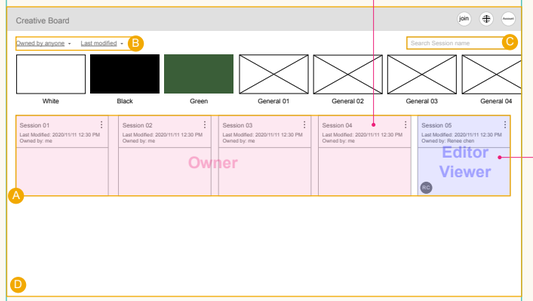
Internal Use Only

Session_Session management, Session Status

Main page without session



Main page with session



Only show Collaboration session:
- Session created by me
- Session shared with me
- Joined session (session join with code)

分頁邏輯
1. 一頁15個 session
2. 頁面下滑時讀取下一頁

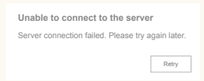
D Offline

1. 當網路離線, 點擊頁面跳出dialog

- 點擊Retry時網路已連線, 就dialog消失, 繼續使用
- 點擊Retry時網路仍離線, 同一個dialog重複跳出

Server connection failed

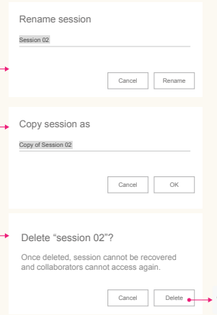
1. 當伺服器連線失敗, 點擊頁面跳出dialog



- 點擊Retry時伺服器已連線成功, dialog消失, 繼續使用
- 點擊Retry時伺服器仍連線失敗, 同一個dialog重複跳出

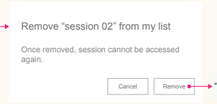
A Collaboration session

- Owner (Session created by me)



"session 02" deleted.

- Editor & Viewer (Session shared with me/ joined session)

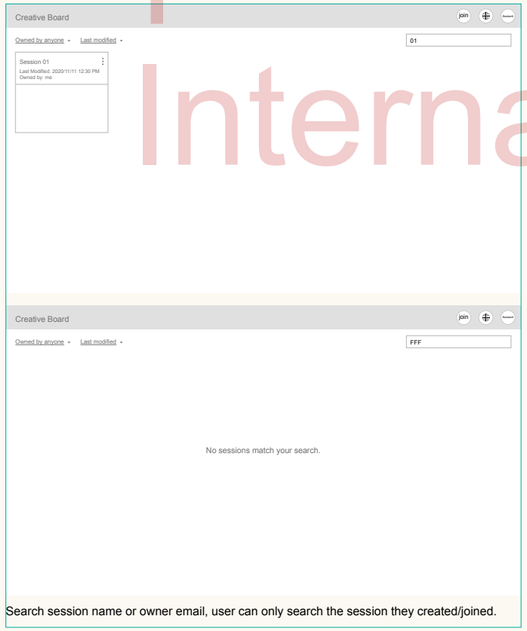


"session 02" removed.

Once Editor/Viewer removed session, user will not show in session's attendee list again.

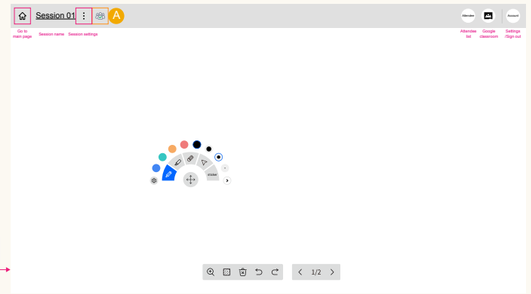
B Sort

C Search

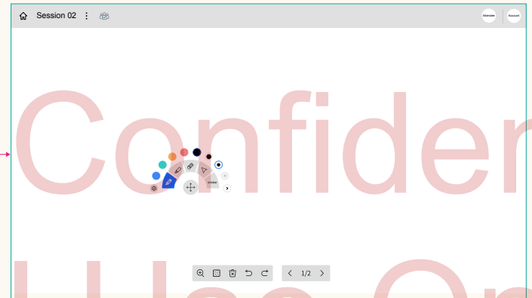


Search session name or owner email, user can only search the session they created/joined.

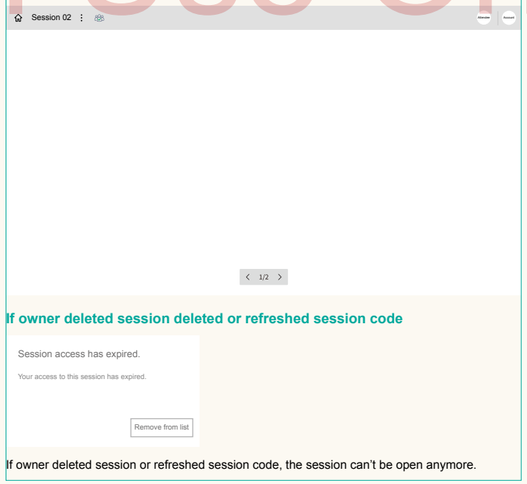
Owner enter a session (open a new page)



Editor(signed in) enter a session (open a new page)



Viewer(signed in) enter a session (open a new page)



If owner deleted session deleted or refreshed session code

If owner deleted session or refreshed session code, the session can't be open anymore.

A Session status

網路仍連線但伺服器連線失敗時, 顯示伺服器連線失敗狀態

B Offline

1. 當網路離線, session status更新為
2. 當網路離線, 點擊頁面跳出dialog

- 點擊Retry時網路已連線, 就dialog消失, 繼續使用
- 點擊Retry時網路仍離線, 同一個dialog重複跳出

C Server connection failed

1. 當伺服器連線失敗, status更新為
2. 當伺服器連線失敗, 點擊頁面跳出dialog

- 點擊Retry時伺服器已連線成功, dialog消失, 繼續使用
- 點擊Retry時伺服器仍連線失敗, 同一個dialog重複跳出

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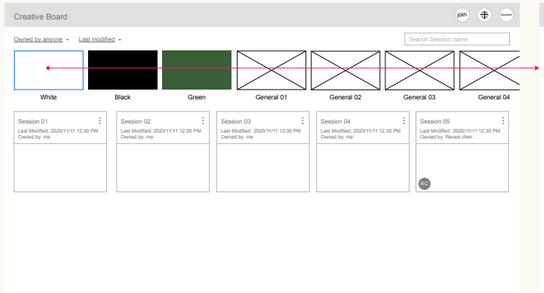
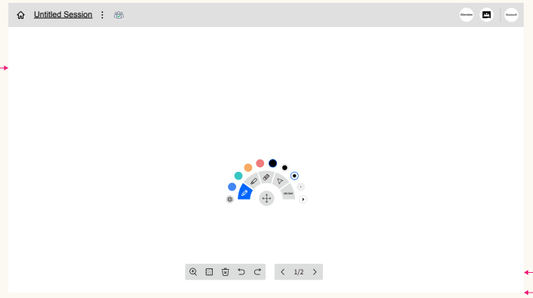
Internal Use Only

Session_Create/ Rename / Delete & Remove session

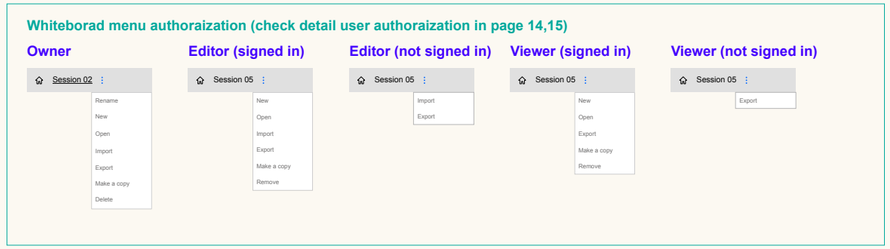


New session(open a new page)



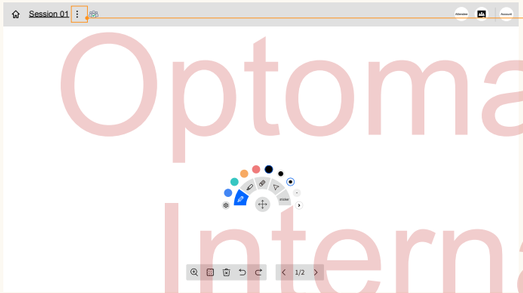
- New session will set the person who create the session as a session owner in default.
- Session will auto save to the cloud.

Whiteborad menu authoraization (check detail user authoraization in page 14,15)

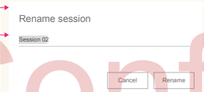


Create new session from session

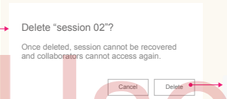
Owner



Rename session

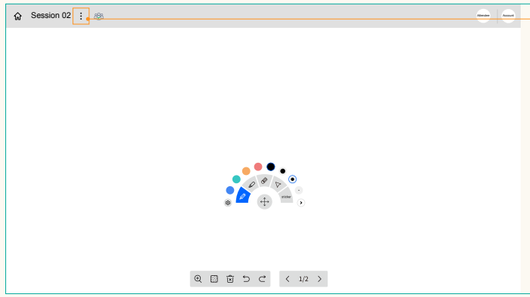


Delete session

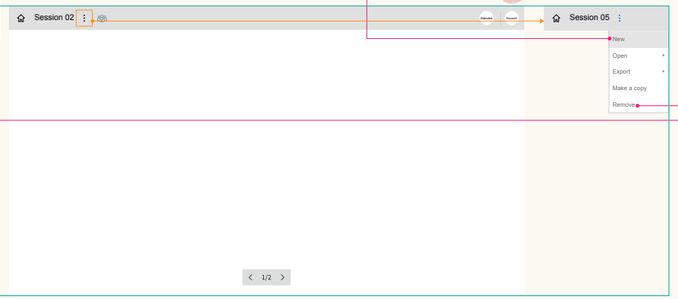


Delete and go back to session list

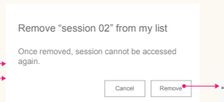
Editor(signed in)



Viewer(signed in)



Remove session



Once Editor/Viewer removed session, user will not show in session’s attendee list again.

Remove and go back to session list

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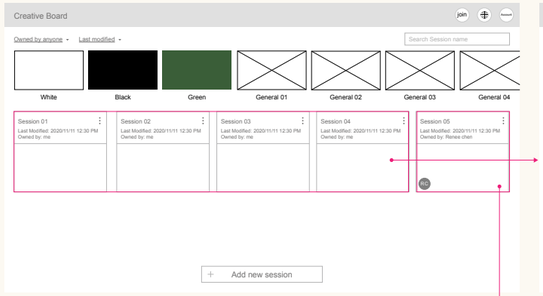
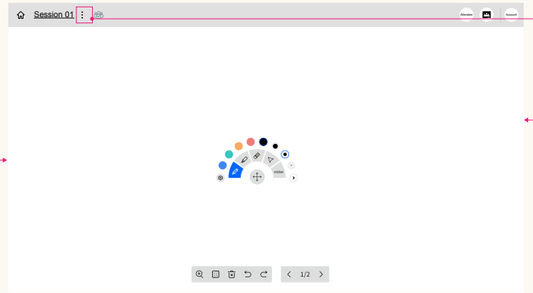
Session_Open recent session / Open from file

Open recent session

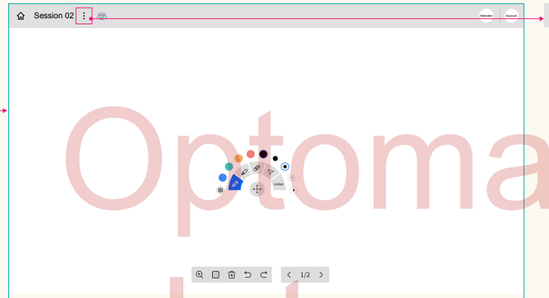


Only show Collaboration session:
- Session created by me
- Session shared with me
- Joined session (session join with code)

Owner

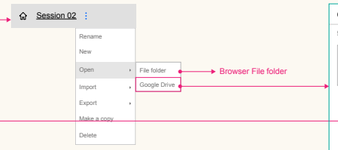


Editor(signed in)

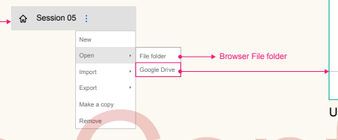


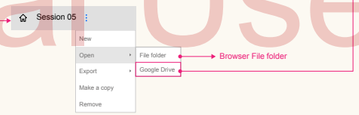
Viewer(signed in)

Open ara from file folder or personal cloud

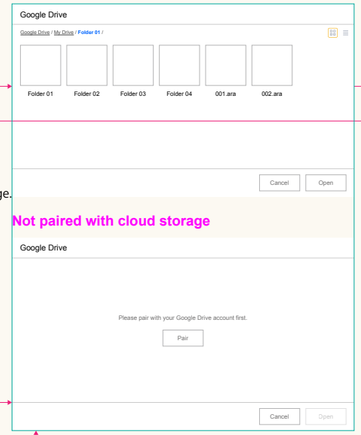


1. User can open file from file folder or cloud storage (Google Drive).
   - If the 3rd party app is not paired, go to the pairing page.
   - If the 3rd party app paired, open the finder.
2. File format: ara
   2-1. Open file from file folder:
   - 顯示可打開檔案, 不可打開檔案不能選取 (gray out)
   2-2. Open file from cloud storage:
   - 顯示可打開檔案, 隱藏不可打開檔案



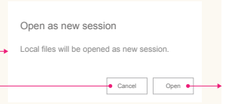


Paired with cloud storage

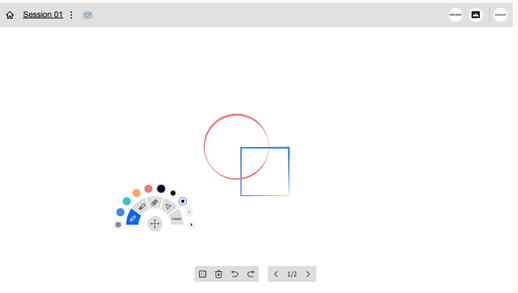


Not paired with cloud storage

User can open 1 file at once.



Open as new session



Open file: 檔案自動創立一個新session並開啟在新的分頁，不覆蓋原來的session

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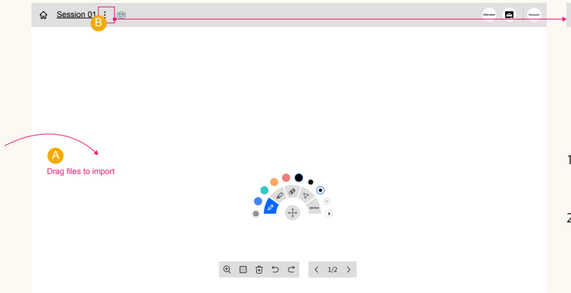
Internal Use Only

Session_Import files

1. Owner

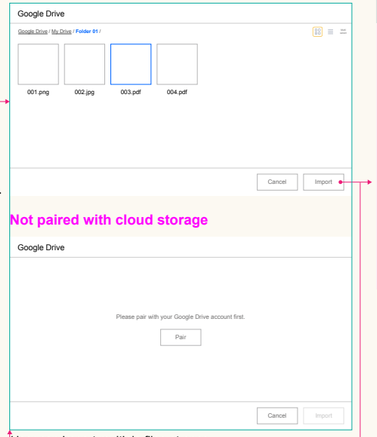


A B User can import file from ⋮ or drag the files to the browser directly.

Import file from file folder or personal cloud

1. User can import file from file folder or cloud storage.
   (Google Drive, OneDrive and Dropbox).
   - If the 3rd party app is not paired, go to the pairing page.
   - If the 3rd party app paired, open the finder.
2. File format:
   - png, jpg, pdf
   2-1. Import file from file folder:
   - 顯示可置入檔案, 不可置入檔案不能選取（gray out）
   2-2. Import file from cloud storage:
   - 顯示可置入檔案, 隱藏不可置入檔案
3. Size limitation:
   - Size: 30 MB
   3-1. Pop up dialog when file size is over 30MB

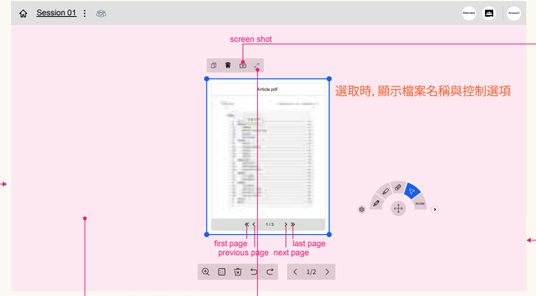
Paired with cloud storage



Not paired with cloud storage

User can import multiple files at once.

Import PDF



press red area to finish editing
(keep page status)

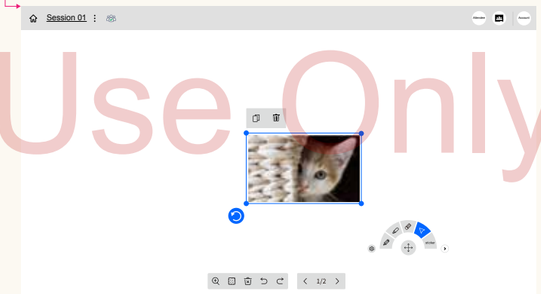
未選取時, 隱藏控制選項

Screen shot

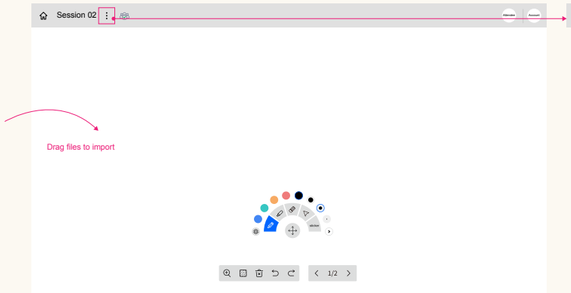
A 截圖後可以在上面畫畫

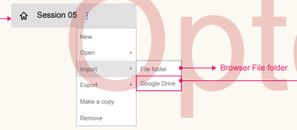
Full screen

Import JPG, PNG



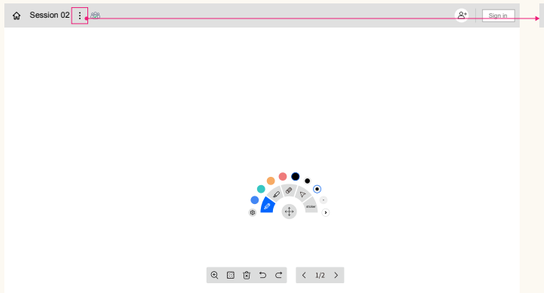
2.1 Editor(signed in)





A B User can import file from ⋮ or drag the files to the browser directly.

2.2 Editor(not signed in)



Go to sign in page
Editor need to sign in to import.

3. Viewer cannot import files

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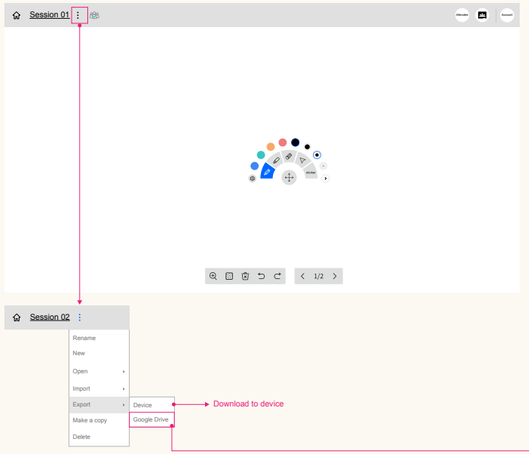
Internal Use Only

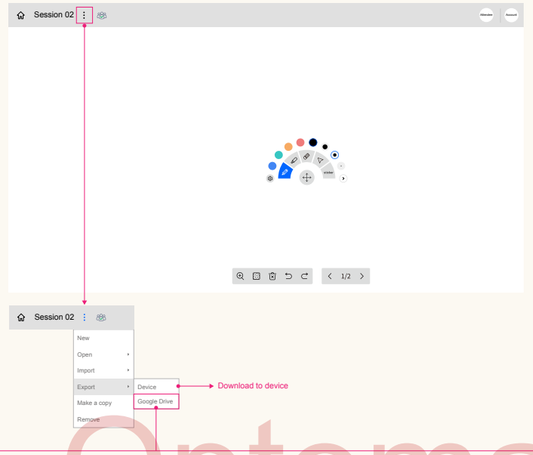
Session_Export files

Signed in

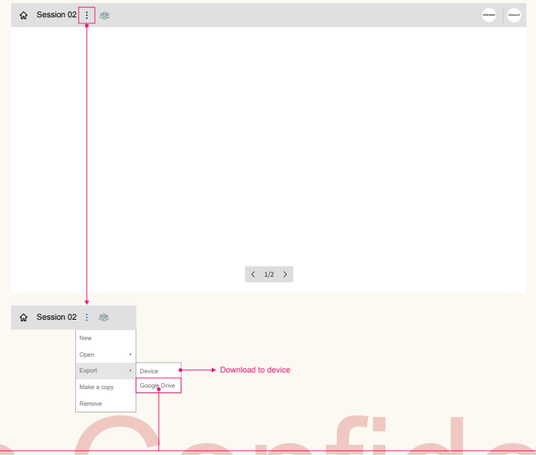
Owner



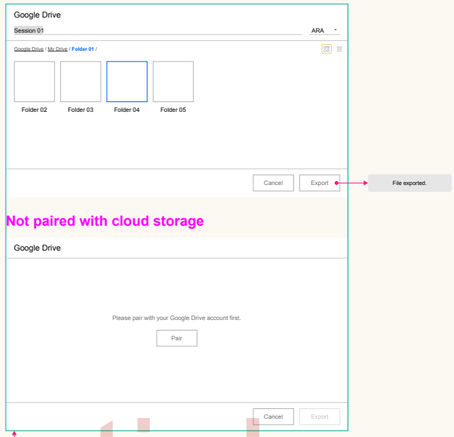
Editor(signed in)



Viewer(signed in)



Paired with cloud storage



Not paired with cloud storage

Export file format
- pdf
- ara

User can export file to device or cloud storage(Google Drive, OneDrive and Dropbox).
- If the 3rd party app is not paired, go to the pairing page.
- If the 3rd party app paired, open the finder.

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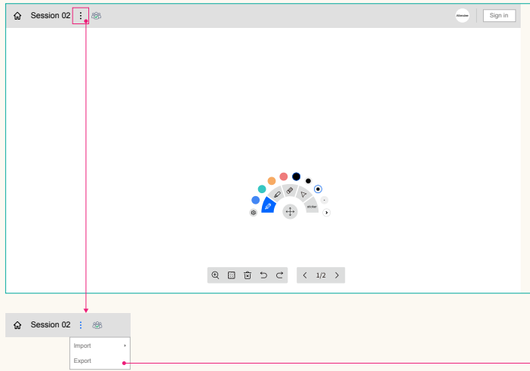
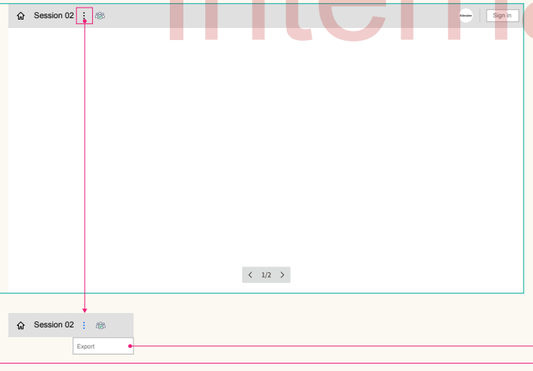
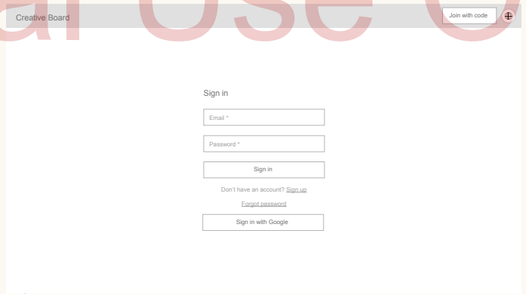
Not signed in (Editor and Viewer need to sign in to export session.)

Editor(not signed in)



Viewer(not signed in)



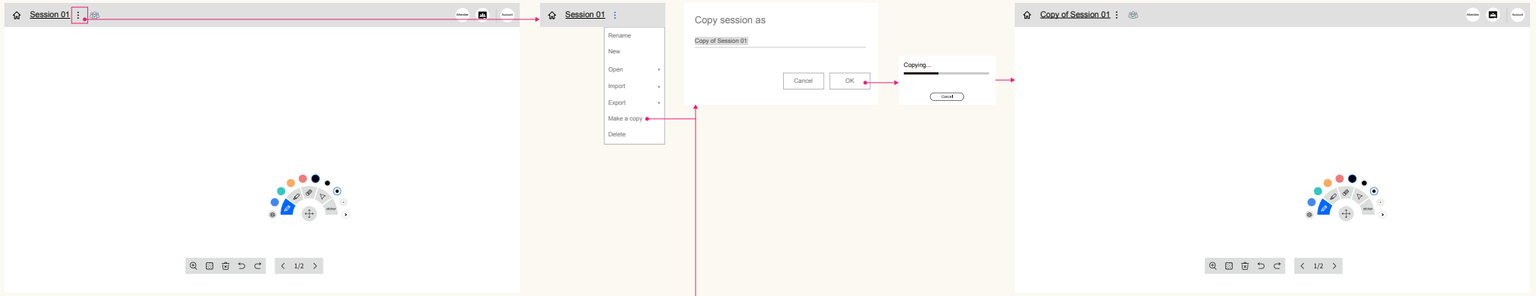


Editor and viewer need to sign in to export session.

If editor and viewer not signed in, user should signed in first to export.

Session_Make a copy

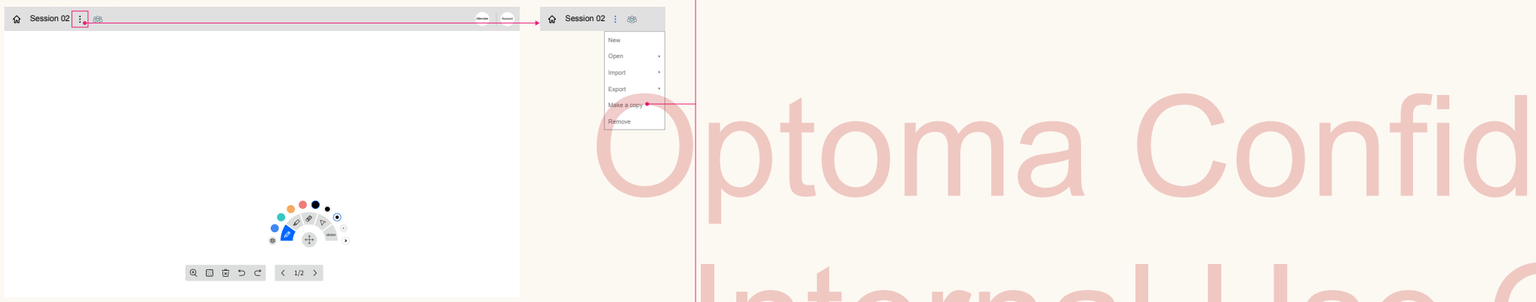
Owner



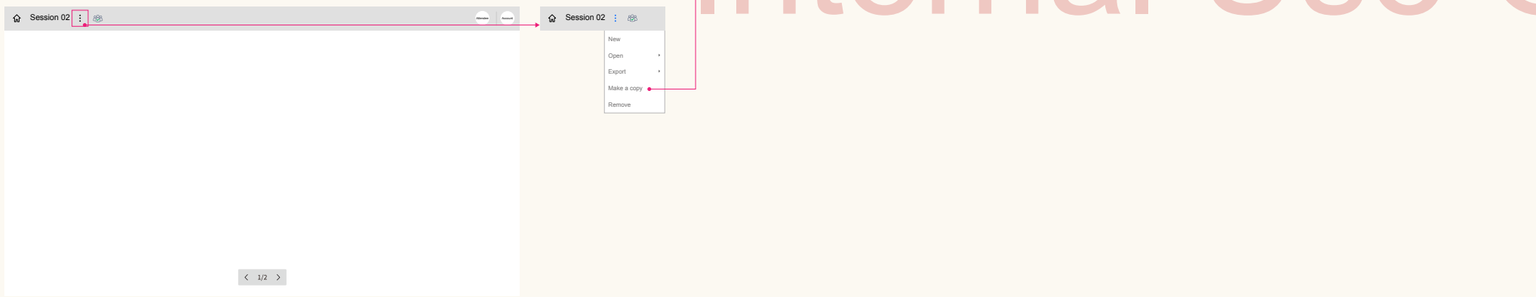
Open copied session as owner (open a new page)

Open copied session in new page

Editor(signed in)



Viewer(signed in)



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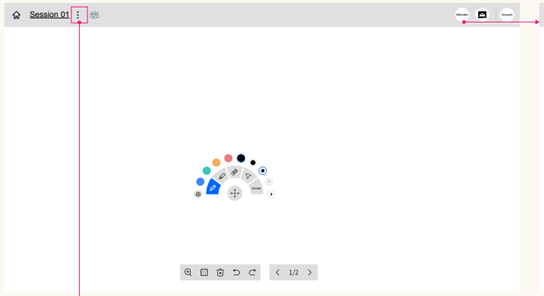
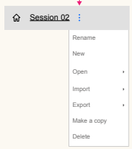
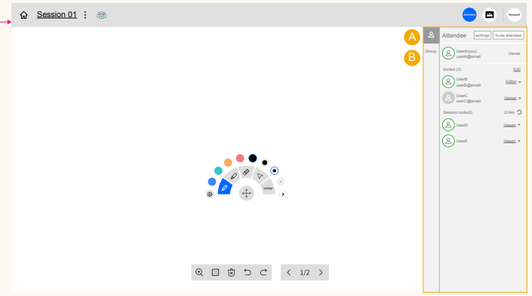
Session_(User authorization) Attendee/ Group (Owner)

Owner session authorization

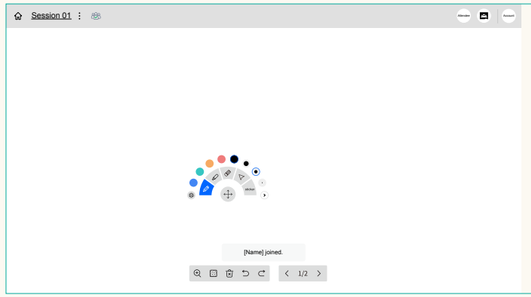




Attendee list

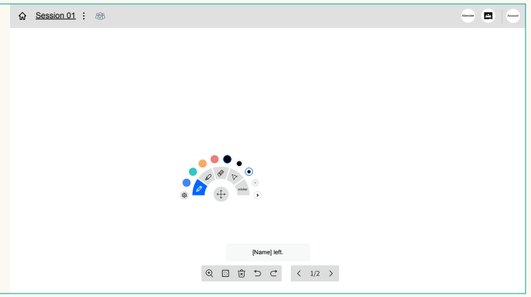


When attendee join



Toast shows who joined the session.

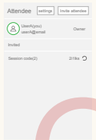
When attendee leave



Toast shows who leaved the session (close session webpage).

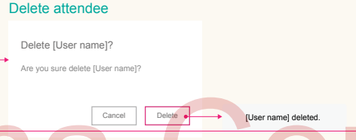
A Attendee list

還沒有成員：

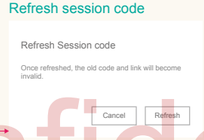


已經有成員：

Delete attendee



Refresh session code

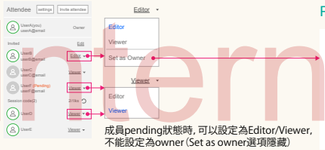


沒有成員時, 不能編輯成員
（edit按鍵隱藏）

Section
1. Invited: attendee invited by email
2. Session code: attendee joined with session code

Online attendee:
- Online attendee will show on the list.
- Attendee who leave session will not appear on the list.

Permission changed

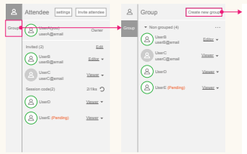


成員pending狀態時, 可以設定為Editor/Viewer,
不能設定為owner（Set as owner選項隱藏）

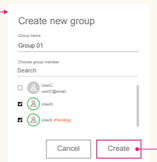
Once the owner changed, original owner will default be set as editor.

B Attendee group

已經有成員：



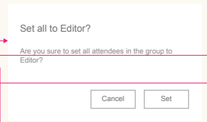
成員在Group
會顯示pending狀態



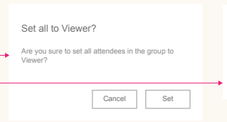
Group attendee:
1.一個attendee只能在一個group
2.已加入group的成員disabled無法選取
3.Owner不屬於任何一個group, 不會出現在成員清單

成員pending狀態時,
可以設定為Editor/Viewer, 不能設定為Owner

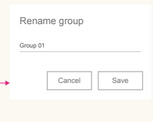
Set all to Editor



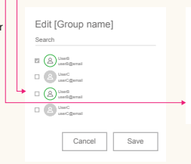
Set all to Viewer



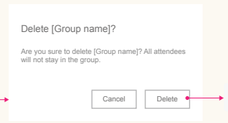
Rename group



Edit member

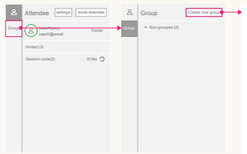


Delete group

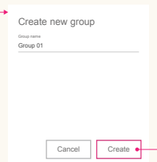


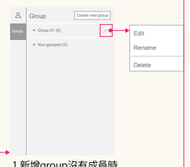
[Group name] deleted.

還沒有成員：



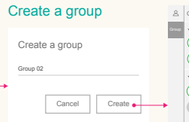
當還沒有成員加入時, 切換到Group
預設顯示non-grouped（Owner不屬於任何一個group）





1.新增group沒有成員時,
只能對group進行edit, rename, delete.
2.Non-grouped沒有成員時,
不能進行任何動作（"..."按鍵隱藏）

Create a group



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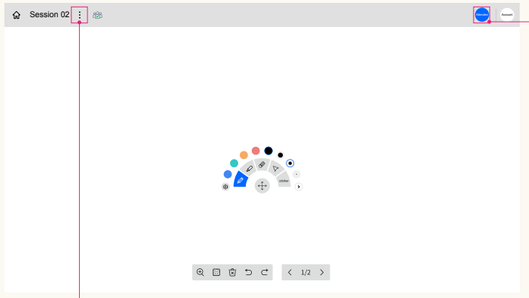
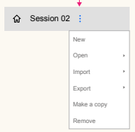
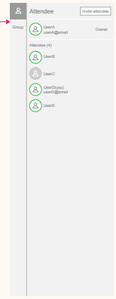
Session_(User authorization) Attendee/ Group (Editor & Viewer)

Editor session authorization(signed in)





Editor(signed in) cannot
1. rename session
2. refresh session code
3. share session by Google Classroom and email
4. view others email & other authorization in share list
5. delete session (editor&viewer can only remove session from list)

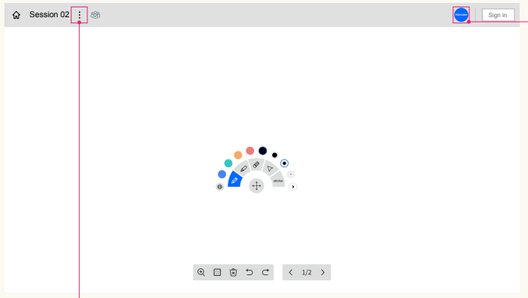


If editor do not have share authorization, hide “Invite attendee” button.

Editor只能看到當下自己所在Group裡的成員, 看不到其他Group

當Editor在Non grouped, 提示“You have not been assigned to any group.”

Editor session authorization(not signed in)

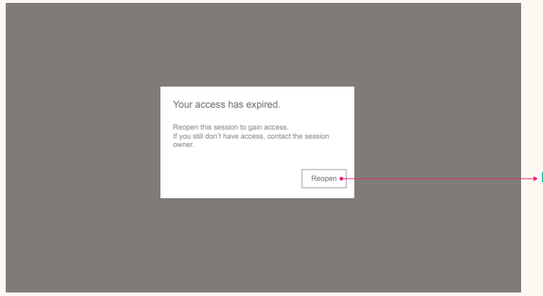


If editor do not have share authorization, hide “Invite attendee” button.

Editor只能看到當下自己所在Group裡的成員, 看不到其他Group

當Editor在Non grouped, 提示“You have not been assigned to any group.”

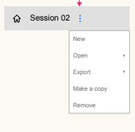
Permission changed



Reopen session

When owner changed your permission
- Reopen session to gain access

Viewer session authorization(signed in)



Viewer(signed in) cannot
1. rename session
2. refresh session code
3. share session by Google Classroom and email
4. view others email & other authorization in share list
5. delete session (editor&viewer can only remove session from list)
6. edit

If viewer do not have share authorization, hide “Invite attendee” button.

Viewer只能看到當下自己所在Group裡的成員, 看不到其他Group

當Viewer在Non grouped, 提示“You have not been assigned to any group.”

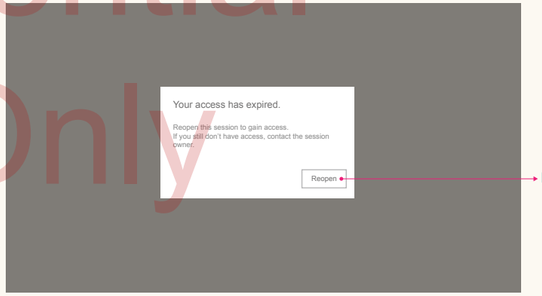
Viewer session authorization(not signed in)

If viewer do not have share authorization, hide “Invite attendee” button.

Viewer只能看到當下自己所在Group裡的成員, 看不到其他Group

當Viewer在Non grouped, 提示“You have not been assigned to any group.”

Permission changed



Reopen session

When owner changed your permission
- Reopen session to gain access

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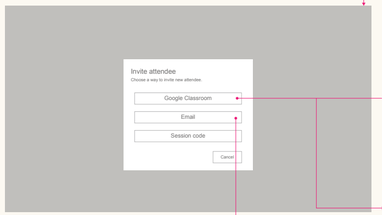
Session_Attendee_invite attendee (Google Classroom, email_Owner)

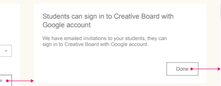
Owner

- Default allow both editor and viewer to invite attendee.



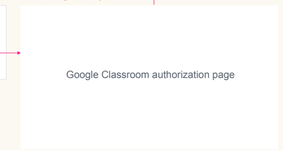
Invite others by Google Classroom

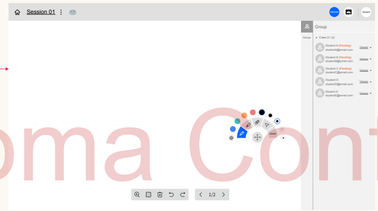
Already paired with Google Classroom integration



- Create new group with selected class name.

Not paired with Google Classroom integration yet

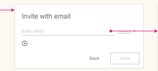




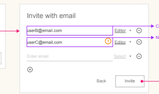
- Student will be imported in one group with class name in default.
- Student will be viewer in default.

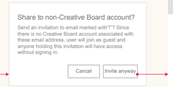
- If invited email is a Creative Board account, show up in "Invited" list directly.
當邀請成員選沒加入Session, 顯示為Offline狀態
當邀請成員已經加入Session, 顯示為Online狀態
- If invited email is not a Creative Board account, show up in "Invited" list with "pending" status (pending status will disappear until the invitee's account is created and verified).
當邀請成員選沒使用Creative Board帳戶登入並加入Session, 則顯示為Pending狀態
當邀請成員已經使用Creative Board帳戶登入並加入Session, 顯示為Online狀態
當邀請成員已經使用Creative Board帳戶登入, 則顯示為Offline狀態

Invite others by Email



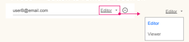
Invite Non-Creative Board email



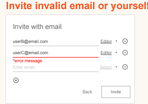


當Email是non-Creative Board account, 顯示"◌?"提示, 可以送出邀請,
送出邀請前跳出dialog提示（受邀者的會以guest身份加入）

- Press "-" button to remove receiver.



Invite invalid email or yourself



當Email是無效的, 顯示error message提示
當Email是自己的, 顯示error message提示

- 點擊Invite時email正確, dialog消失, 送出邀請
- 點擊Invite時email仍錯誤, dialog停留在原本畫面, 不會送出邀請

- If invited email is a Creative Board account, show up in "Invited" list directly.
當邀請成員選沒加入Session, 顯示為Offline狀態
當邀請成員已經加入Session, 顯示為Online狀態
- If invited email is not a Creative Board account, show up in "Invited" list with "pending" status.
(pending status will disappear until the invitee's account is created and verified).
當邀請成員選沒使用Creative Board帳戶登入並加入Session, 則顯示為Pending狀態
當邀請成員已經使用Creative Board帳戶登入並加入Session, 顯示為Online狀態
當邀請成員已經使用Creative Board帳戶登入, 則顯示為Offline狀態

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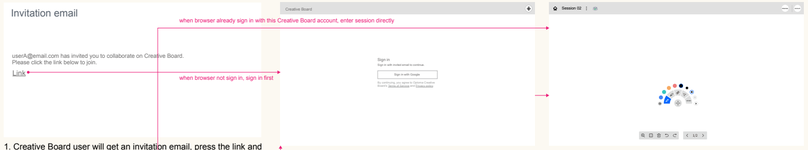
Attendees who get Gmail invitation (invite by Google Classroom)

1. If invited gmail is a Creative Board account

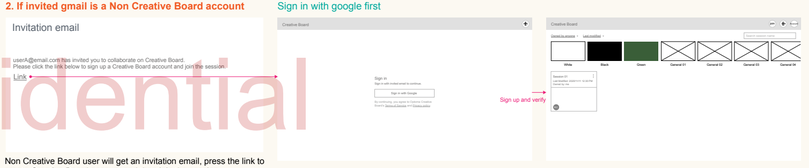
Sign in with google and enter the session



1. Creative Board user will get an invitation email, press the link and sign in to access
2. Session will add to session list directly

2. If invited gmail is a Non Creative Board account

Sign in with google first



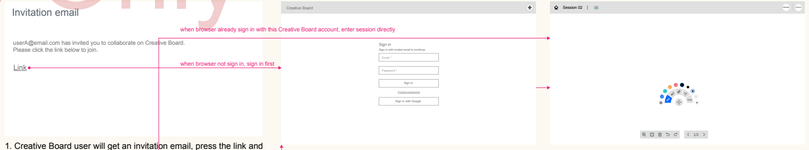
Non Creative Board user will get an invitation email, press the link to create Creative Board account and then join the session.

當被邀請人
1. Sign in的Gmail與被邀請的Gmail相符
2. Sign in & verify後並進入Creative Board首頁

被邀請人session list自動出現被邀請加入的sessions

Attendees who get Email invitation (invite by email)

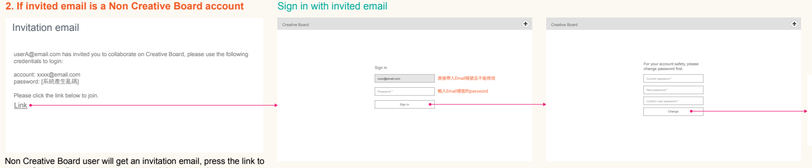
1. If invited email is a Creative Board account



1. Creative Board user will get an invitation email, press the link and sign in to access
2. Session will add to session list directly

2. If invited email is a Non Creative Board account

Sign in with invited email

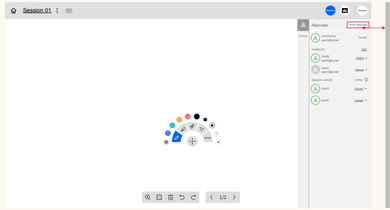


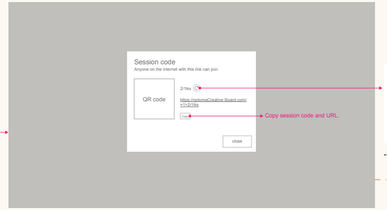
Non Creative Board user will get an invitation email, press the link to create Creative Board account and then join the session.

Session_Invite attendee (Session code)

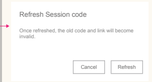
Invite others by session code

Owner





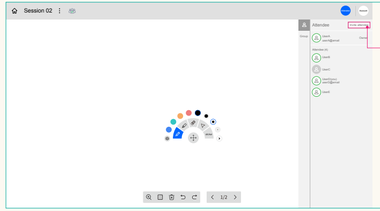
Copy session code and URL



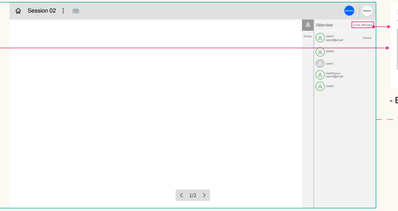
- Owner can refresh session code.

- User join with session code will default set as viewer.

Editor with share authorization(signed in)



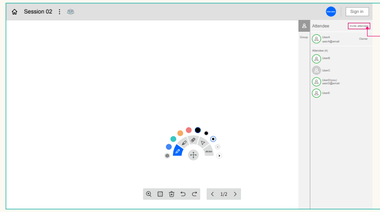
Viewer with share authorization(signed in)



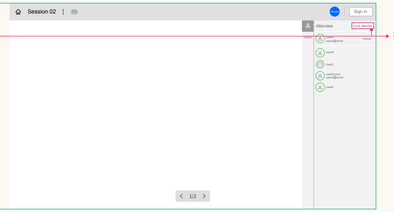
- Editor and viewer cannot refresh session code or setup “Allow to invite other attendee”.

- Editor and viewer can only invite attendee with share link.
- If editor or viewer do not have share authorization, hide “Invite attendee” button.

Editor with share authorization(not signed in)



Viewer with share authorization(not signed in)

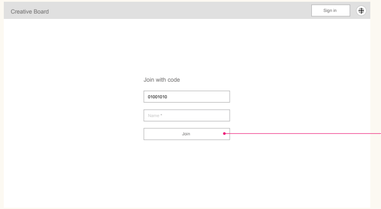


Sign in page

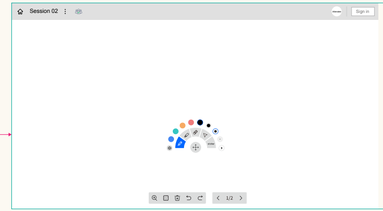
- Editor and viewer should sign in first to invite other attendee.

Attendees who get session code invitation

Not signed in attendee



Editor

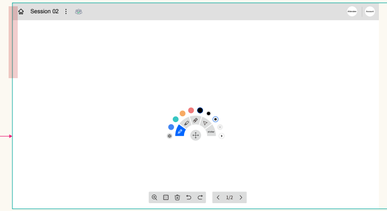


Viewer

Auto fill in the session code.

Signed in attendee

Editor



Viewer

Auto fill in the session code and name.

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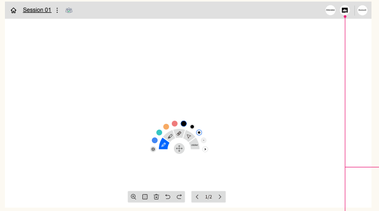
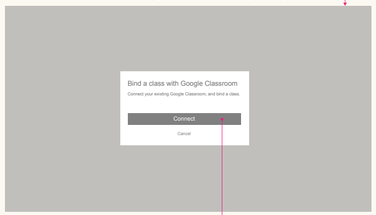
Session_Google Classroom_Import classwork/ Share to Google Classroom (Owner)

Owner

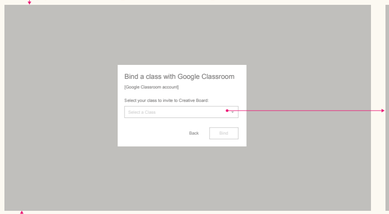


Classwork Not paired with Google Classroom integration yet

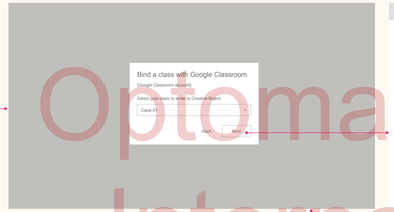


Google Classroom authorization page

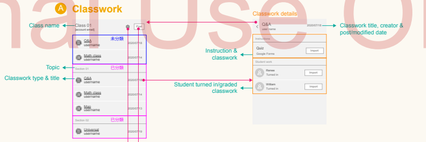
Already paired with Google Classroom integration



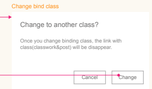
1. Only owner can bind class
2. Bind class can be changed

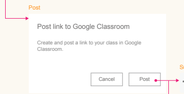


Import Classwork



Classwork
1. 顯示包含未分類/已分類classwork (Assignment, Quiz assignment & Question)
2. 排序以班級管理設定呈現
3. open classwork to view instruction and student work.
4. open link in embedded browser.

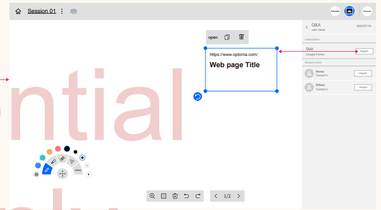




Success
"session 02"post to class

Failed
Post failed

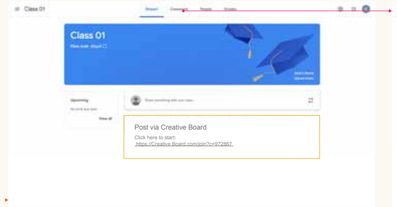
Open classwork link



Classwork link:
1. student work link - only turned in and graded classwork can open.
2. all changed will auto save to Google Cloud service.

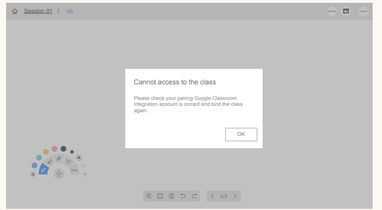
當以下情況發生，Classwork link失效
1.當owner切換其他班級或綁定班級已經刪除
2.當owner切換Google Classroom綁定帳戶

Google Classroom Stream



Post
1. posted to Google Classroom class (Stream & Classwork)
2. user can open link to join session

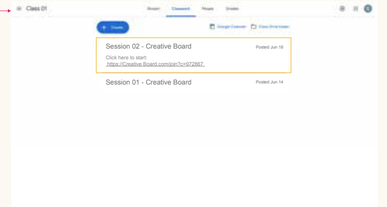
Error handling



當以下情況發生，點擊Class時跳出dialog提示
1.當owner綁定班級已經刪除
2.當owner切換Google Classroom綁定帳戶
點擊OK關閉dialog

再次點選Class跳出綁定流程
- 未綁定Google Classroom帳戶，先綁定帳戶
- 已綁定Google Classroom帳戶，選擇班級綁定

Google Classroom Classwork



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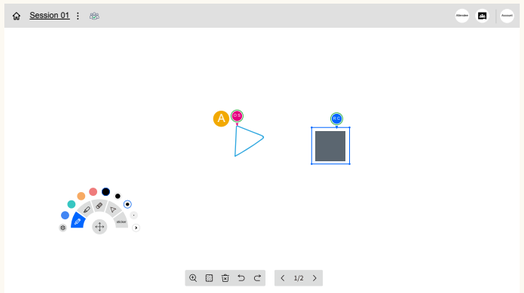
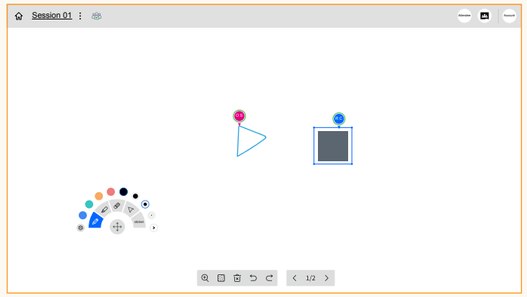
Editing cursor

Owner



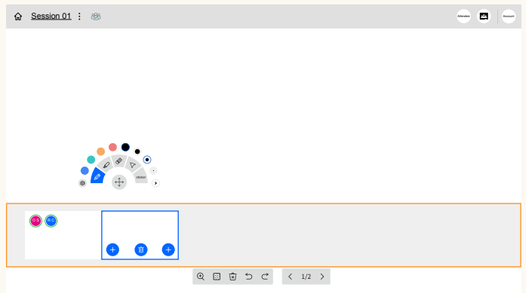
A - Show member editing object cursor
- When member stop editing, cursor will disapear in 2 seconds

Editing object



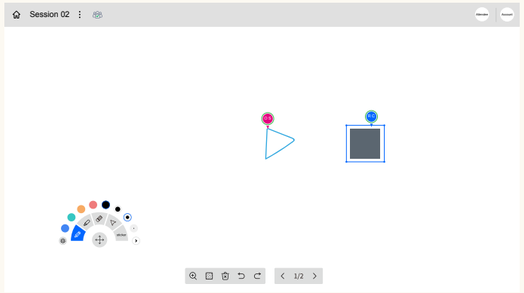
Editing object can be view in collaboration session:
- Background
- Drawing lines, shapes
- Erasing object
- Stickers(2D/3D/Ruler)
- Embedded browser
- Timer
- images/documents

Page roll

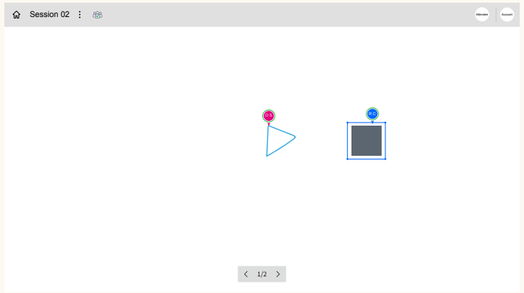


Page roll
- Can view other members' editing/viewing page

Editor



Viewer



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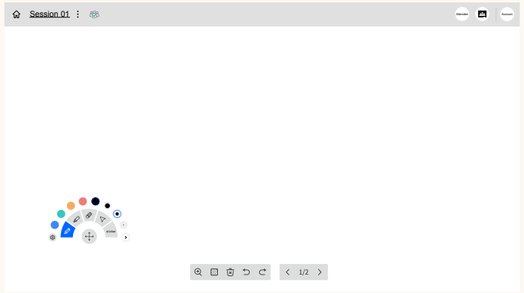
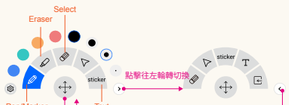
Floating board



Mouse cursor change with different tools

- mouse cursor for pen
- mouse cursor for eraser
- mouse cursor for select
- mouse cursor for sticker
- mouse cursor for text

Floating board



- 長按螢幕快速在該位置叫出Floating board

Pen/Marker

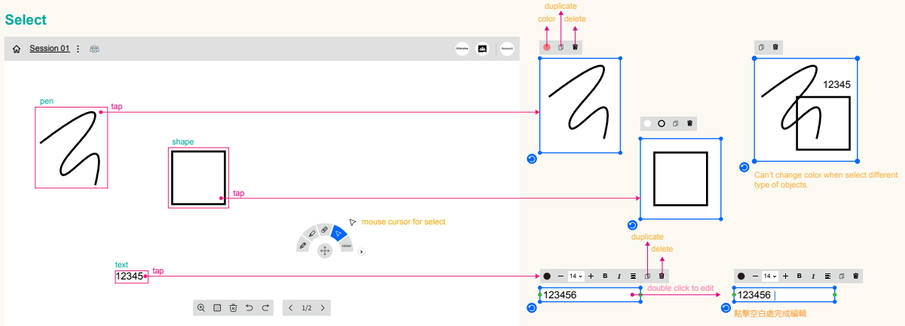
Color palette settings

Color preference will save to personal account, each user has its own color palette.

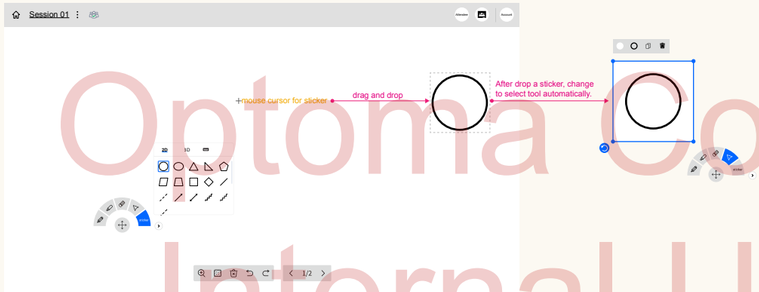
Eraser

Eraser will earse whole object.

Select

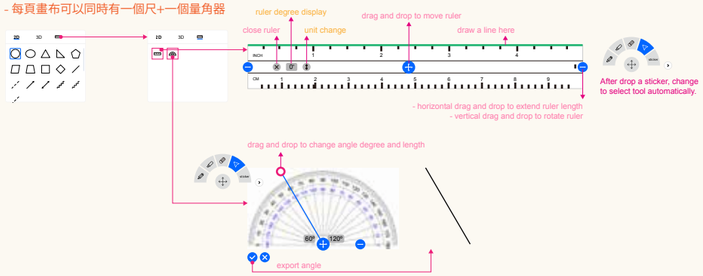


Sticker



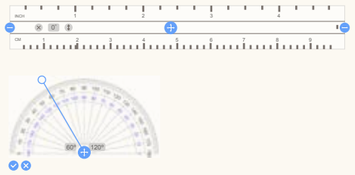
Sticker includes 2D, 3D and Ruler:
1. 2D and 3D stickers can change each color.
2. Ruler includes ruler and protractor.

- 每頁畫布可以同時有一個尺+一個量角器

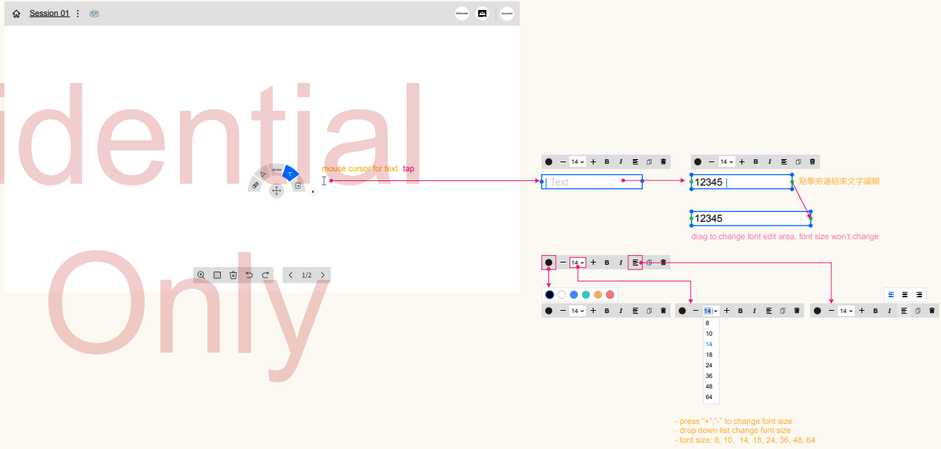


- 其他成員要加入新的尺或量角器時, 跳出dialog提示

- 當一位成員正在使用(移動、旋轉、縮放、畫線), 其他成員無法使用(disabled)



Text



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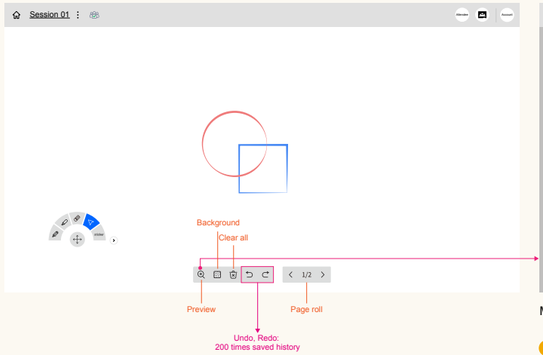
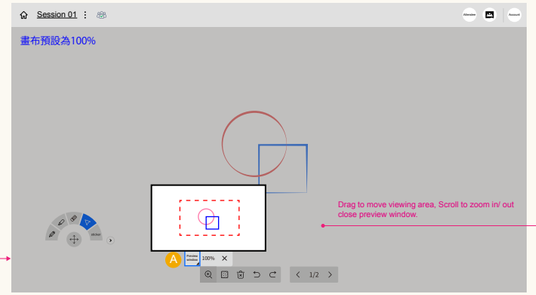
Toolbar_Preview

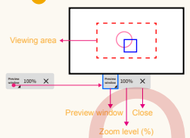


Preview Tool



Move and zoom navigation will not sync to other users.

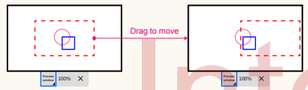
A



畫布為無限畫布，畫布範圍包含所有物件，
隨物件變動改變顯示範圍

Preview tool bar:
- Preview window:
  Press to open/close preview window. (Default: Open)
- Zoom level (%): 30%~300% (Default: 100%)
- Close: Close preview tool.

B Preview window
- 顯示viewing area與整個畫布範圍上的所有物件
- 當使用滑鼠在Preview window上點擊拖拉, 可以移動viewing area



C Infinite canvas and zoom level

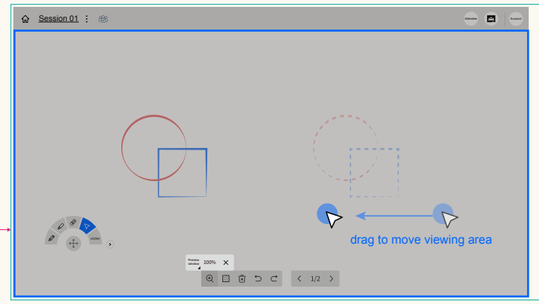
D
1. 使用Preview tool時
   - 滑鼠拖拉移動畫布
   - 滑鼠滾動以鼠標位置為中心作放大縮小
   - 無法使用其他工具, 離開Preview才能使用其他工具

2. 記錄縮放大小, 進入Preview顯示縮放大小, 離開Preview畫面維持縮放大小

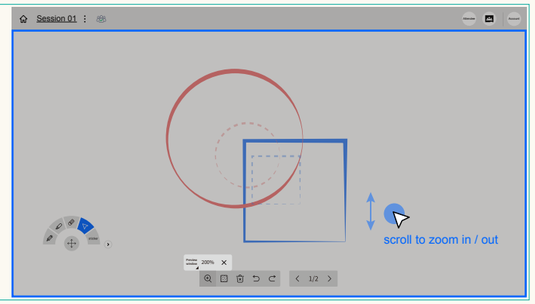
Use preview tool
Zoom level: 150%

Close preview tool
Zoom level: 150%

Drag canvas to move viewing area

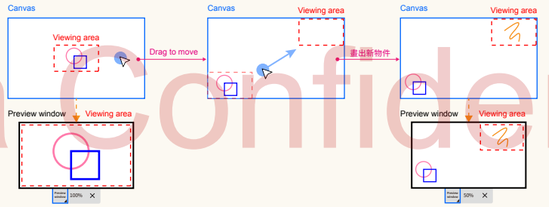


Scroll canvas to zoom in/ out

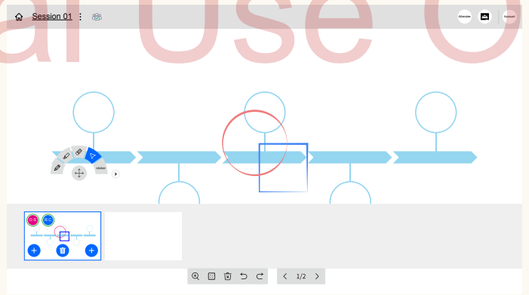


畫布上滑鼠動作:
- 滑鼠點擊畫布拖拉可以移動viewing area
- 滑鼠滾輪上下滾動可以改變zoom level (以鼠標位置為中心)
- 當使用滑鼠在畫布上移動或縮放viewing area時, 關閉Preview window

- 當使用滑鼠在畫布上移動或縮放viewing area時, preview window隨著物件變動改變顯示範圍

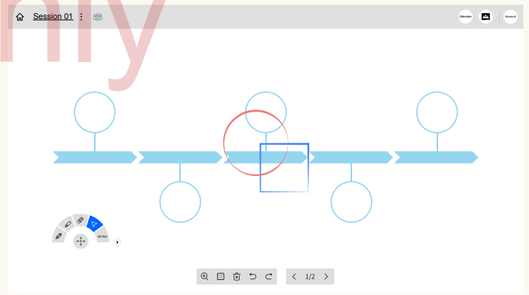


Page roll



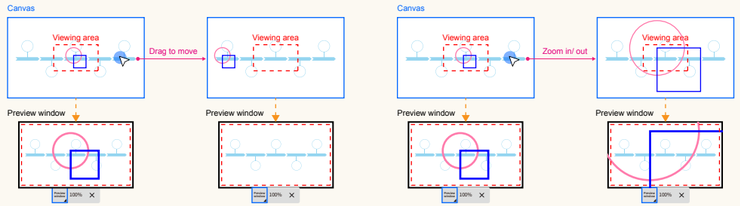
1. 每頁zoom level為個別獨立的記錄, 不會影響到其他頁面
2. Page roll thumbnail:
   - 擷取畫面目前viewing area畫面

Background



1. 每頁Background設定為個別獨立的記錄, 不會影響到其他頁面
2. Background:
   - 位置置中對齊
   - 等比縮放成螢幕大小

3. 當移動或縮放畫布時, background不會受到影響, 維持原本位置與大小



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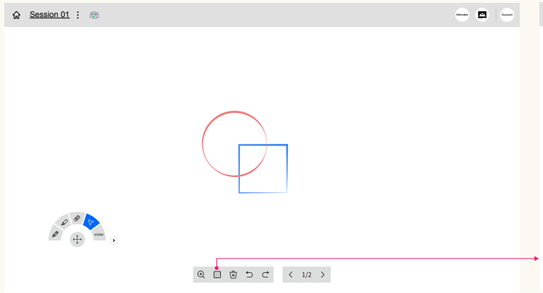
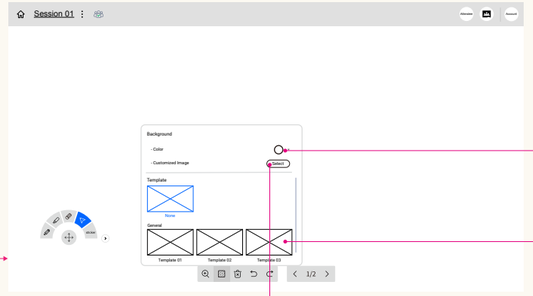
Toolbar_Background

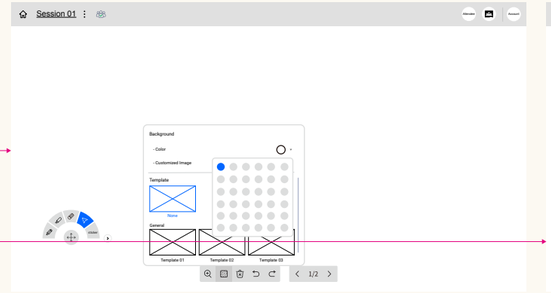


Background

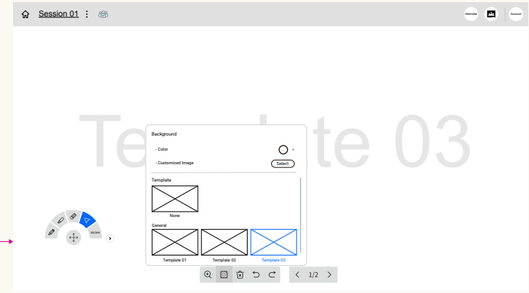


- Can change background color, image and template. Default color is white.
- Template has bright and dark colors to adapt different background color.
- 圖層順序(最上層到最下層)：template>customized image>color

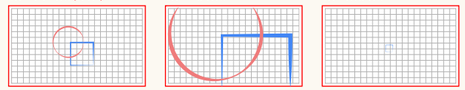
Color



Template



點選後直接套用



Zoom in/out時Template保持一樣大小不會動, 只有物件放大縮小

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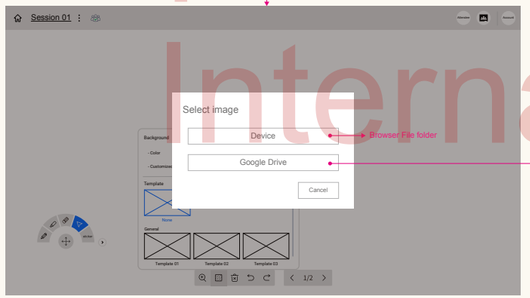
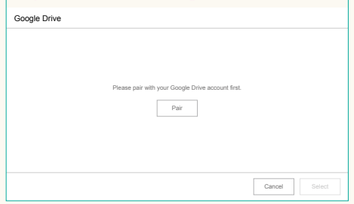
Upload image



Background image:
- Position: align screen center.
- Size: proportional scale to screen size.

Paired with cloud storage

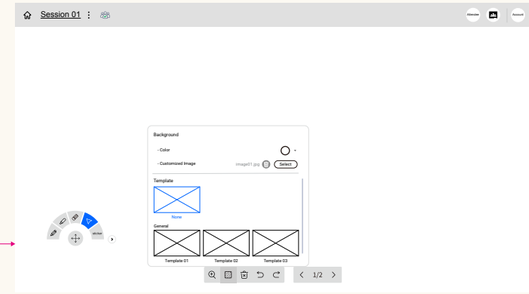
Not paired with cloud storage



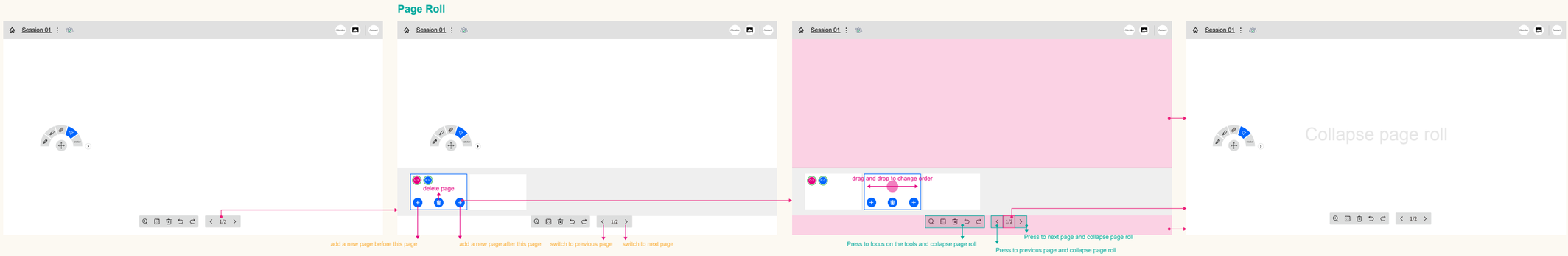
User can select 1 file at once.

選擇後直接套用

Edit background image



Page Roll



- User can add page from the focus page.
- New page will default used the focused background template.

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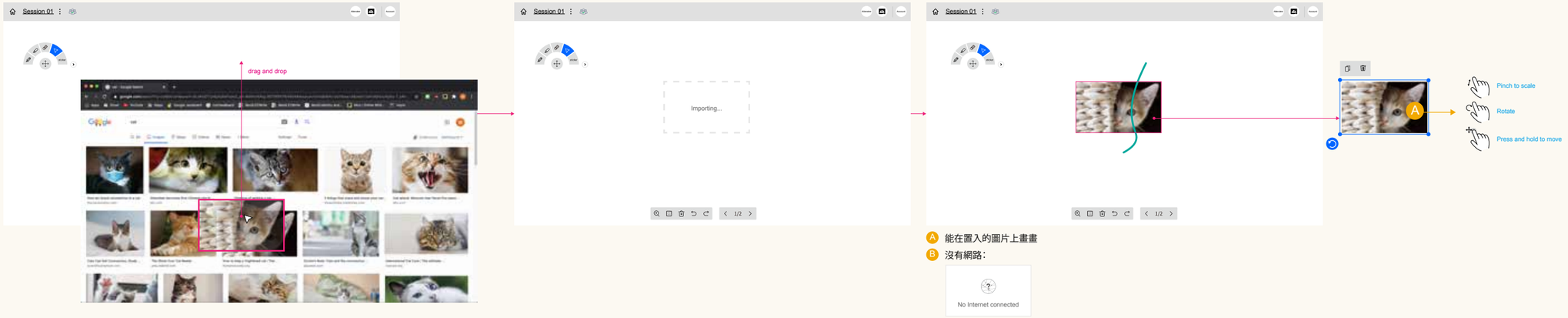
Import image, URL

Find image or webpage from other tab or window.

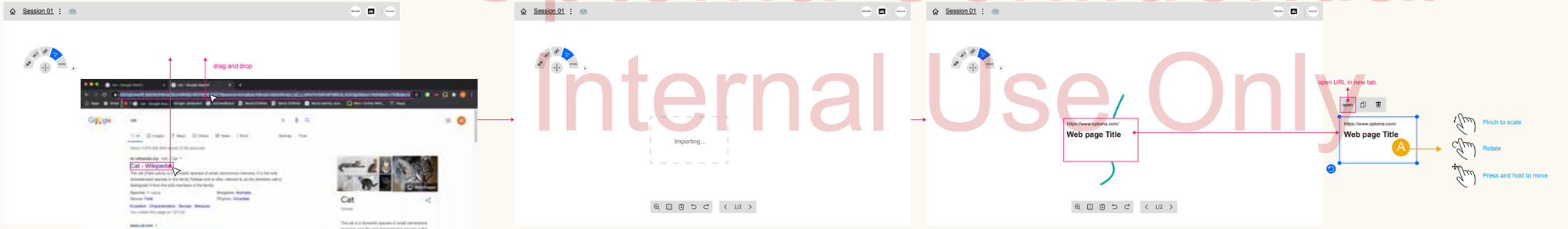
Image



A 能在置入的圖片上畫畫

B 沒有網路：

URL



A 根據可以抓取的內容, 呈現
1. web URL+ 自定義web 圖片
2. web URL+ web image
3. web URL+ web image+ web page title.

B 不能在置入的連結上畫畫

B 沒有網路：

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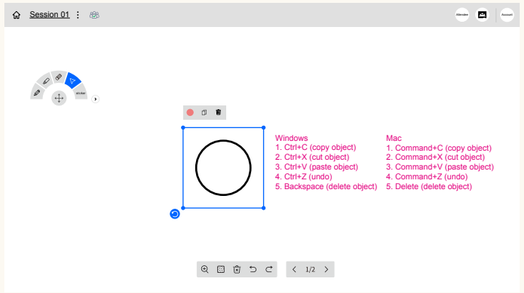
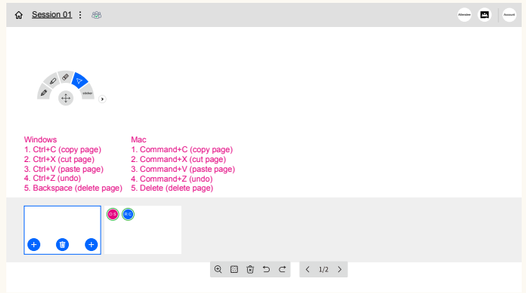
Navigation_Keyboard, Touch pad(Laptop), Mouse

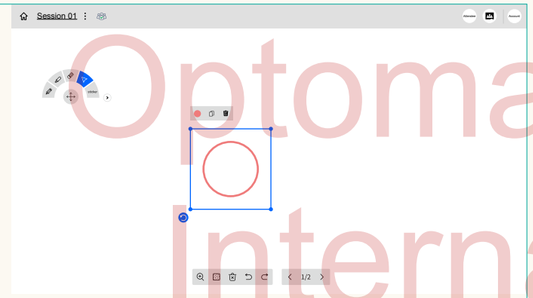
Keyboard navigation (object)



Keyboard navigation (page)



Mouse navigation (object)



1. ● 筆刷 — 滑鼠左鍵在白板"長按＋移動"畫線

2. ▭ 橡皮擦 — 滑鼠左鍵在白板"長按＋移動"擦除（擦除後分開成不同物件）

3. ▷ 選取工具
   - 3.1 滑鼠左鍵點擊選取物件
   - 3.2 滑鼠左鍵長按白板, 在點選位置叫出Floating board

4. ＋Sticker — 滑鼠左鍵在白板"點擊拖曳"置入sticker

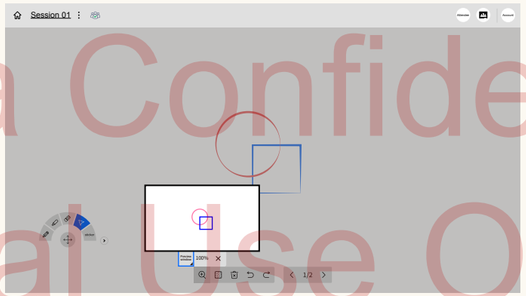
5. I 文字 — 滑鼠左鍵在白板點擊出現文字輸入框

1. 放大縮小物件 — 點選物件後"長按＋移動"四個角放大縮小物件

2. 旋轉物件 — 點選物件後"長按＋旋轉"旋轉按鍵

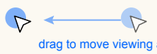
3. 移動物件 — 點選物件後"長按＋移動", 移動物件

Mouse navigation (canvas)



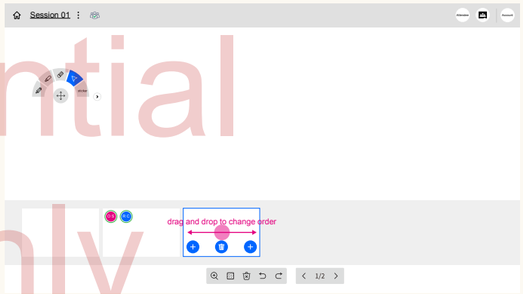
Preview工具

滑鼠左鍵在白板"長按＋移動"移動畫布



滑鼠滾輪在白板"上下滾動"放大縮小畫布（以滑鼠鼠標位置為中心）

Mouse navigation (page)



Page roll工具 — 滑鼠左鍵"長按＋移動"頁面, 移動頁面順序

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Navigation_Gesture

Gesture navigation (object)

1. ● 筆刷 — 單指在白板"長按＋移動"畫線

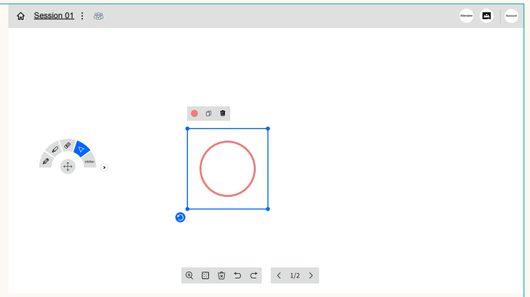
2. ▢橡皮擦 — 2.1 單指左鍵在白板"長按＋移動"擦除 (擦除後分開成不同物件)

2.2 在任何工具之下手掌擦除

3. ▽選取工具 — 3.1 單指點擊選取物件
3.2 單指長按白板, 在點選位置叫出Floating board

4. ＋Sticker — 滑鼠左鍵在白板"點擊拖曳"置入sticker

5. I 文字 — 滑鼠左鍵在白板點擊出現文字輸入框



1. 放大縮小物件 — 1.1 在物件上Pinch放大縮小物件

1.2 點選物件後"長按＋移動"四個角放大縮小物件

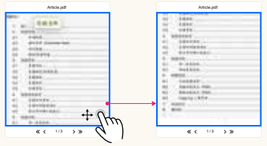
2. 旋轉物件 — 2.1 在物件上手勢旋轉

2.2 點選物件後"長按＋旋轉"旋轉按鍵

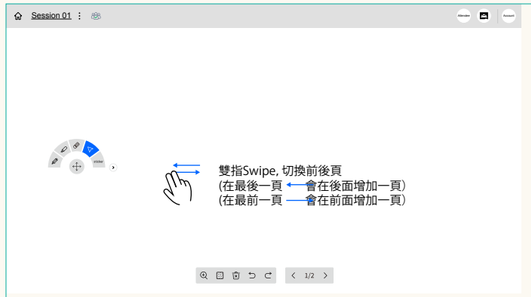
3. 移動物件 — 點選物件後"長按＋移動", 移動物件

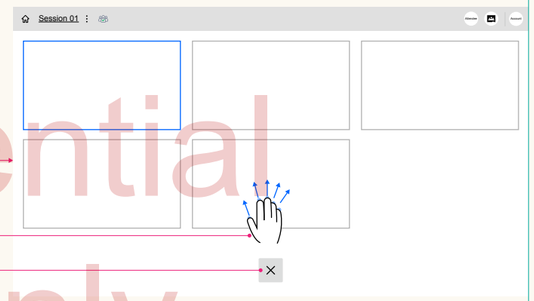
4. 預覽文件 — 在文件上Pinch放大縮小文件內容

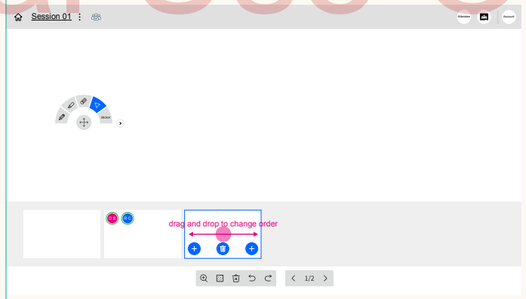
在文件上"長按＋移動", 移動文件內容



Gesture navigation (page)







Page roll工具 — 單指"長按＋移動"頁面, 移動頁面順序

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