

44 Candidate Platforms to Support Online Collaborative Product Design - With Advantages/Disadvantages Annotated

Application Name	URL	Advantages	Disadvantages	Price	Tech Requirements
Recommended Platforms (top 18):					
1 Invision App	https://www.invisionapp.com/	Ease of use Shape detection Drawing Preset shapes Text	One canvas Limited drawing features Limited save options Reliant on keyboard shortcuts One tester found that it has a lot of latency which makes it challenging to use	Free	Can be used w/ tablet
2 StormBoard	https://stormboard.com/	Drawing easy to use Click and drag shapes Can have multiple sticky notes w/ whiteboards Good for 6-3-5 Ideation Can type text Can chat Multiple sharing options	Requires some set up and an account Limited drawing features Cannot import background directly Can only export as image	Free Education Account	Works w/ tablet
3 Miro	https://miro.com/online-brainstorm-tool/	Drawing easy to use Shape detection Click and drag shapes Can have multiple frames w/ drawings Good for 6-3-5 Ideation Can type text Can chat Multiple sharing options Cannot import background easily Can export as pdf	Requires some set up and an account Limited drawing features Cannot import background directly Must draw in frames, more limited than a white board	Free Education Account (but more difficult application)	Works w/ tablet
4 Google Drawing	https://docs.google.com/drawings/	Easily linked to other Google products Can type text Can draw shapes Can save in Google Drive Can export as a pdf	Freehand drawing an after thought for the product Awkward to use, change colors, etc. Each drawing made into a separate object, strange Best used w/ Google Account	Free	Works w/ tablet
5 Ziteboard	https://ziteboard.com/	Adds artistic flair to drawings Ease of use Can draw shapes Can add sticky notes Can import pdf Can export pdf	One whiteboard, hard to move independently Limited features in free version	Free base version (only 3 free public boards), \$9/month	Works w/ tablet
6 JamBoard	https://jamboard.google.com/	Ease of use Can add sticky notes Can export pdf Better than Google Drawings	Very simplistic Limited drawing tools One canvas Google account required	Free	Works w/ tablet
7 Conceptboard	https://app.conceptboard.com/boards#	Simple to use Easy to draw Group center Good layout	Very limited drawing Must sign up		
8 sketchboard	https://sketchboard.io/	Can support mindmapping Provides a variety of template shapes, objects Graph paper style background Multiple sharing options Smoothing Can export as pdf	Somewhat confusing One Canvas Must sign up	\$14/month for a team	
9 DrawChat	https://draw.chat/	Wide range of drawing features Built in video and chat options Enhanced drawing features Can export as a pdf	Not really private, just unique url One canvas	Free	

10	Limnu	https://limnu.com/	video chat and normal text chat sticky notes click and drag text/shapes Add file and pin location Can export as .png and save Supports multiple whiteboards	limited shapes (line, arrow, box, oval)	Free for 14 days \$8/month Team version	
11	Explain Everything	https://whiteboard.explaineverything.com/	Advanced drawing features Can record drawings with video Can import background Easy saving Infinite canvas Multiple sharing features	Voice chat built in No sticky notes Need account	\$8.99/user/year	
12	AWW	https://awwapp.com/	Save unlimited # of boards Shapes (rectangle and circle only) Upload image files Enhanced drawing features (smoothing) Insert text Export as PDF, image, PPT Click and drag Text chat	not private (unique URL)	Free version \$10/user/month	
13	MS Whiteboard		Simple Ease of use Can be posted to a Team Sticky notes which can be drawn on Works well w/ tablet and pen inputs Can export as a pdf Can share with emails, link or Team Can create graph paper backgrounds	Must download app from microsoft store	Free	With tablets supports pressure sensitivity
14	Deskle	https://deskle.com/	Multiple whiteboards organized Easy saving Multiple editable areas in one whiteboard Easy to use Multiple sharing options		\$8/user/month	
15	Collaboard	https://web.collaboard.app/projects	Many tool options Sticky notes Supports pressure sensitivity Can upload documents	Need account Cannot draw on sticky notes Some set up difficulties Can only export to image file	Free	Works w/ tablet
16	DEON	https://cloud.deon.eu/Web/Account/Register	Infinite whiteboard Can link and display many types of programs and users	Not a clear way to test product, also need an account and download	Free	Works/
17	Vibe	https://vibe.us/software/	Has hardware and software, great for collaboration	Simple sketching, complicated trial process		Works w/ tablet, supports pressure sensitivity
18	OneNote				Free	Works w/ tablet
Addition Platforms - Considered Not Suitable:						
19	Crayon	http://cr4yon.com/	no account required	unclear on how to create a room no support/help	free	
20	Jot	https://edshelf.com/tool/jot-whiteboard/	Drawing program	Very limited and dated	Free	
21	FlockDraw	http://flockdraw.com/		Sign up did not work		
22	Samba Live	https://www.digitalsamba.com/	Video and audio sharing Whiteboard built in Click and drag text/shapes Can still see video	Limited saving Limited size whiteboard Need account	Free 14 day trial \$49/month/host	Works w/ tablet
23	Remote HQ	https://www.remotehq.com/	Ease of use Video and audio sharing Present files without sharing screens Miro and whiteboard plug ins which can be used Multiple sharing options	Need account	\$15/month/user	
24	MeetingRoom	meetingroom.io			Free up to 8 people	
25	ezTalks	https://www.eztalks.com/		Not really drawing software, more like teams	\$10/month/host	
26	BeeCanvas	https://early-access.beecanvas.com/	Multiple whiteboards organized in larger platform Video chat built in Familiar powerpoint like interface	Still in development Not a clear way to test product	\$4.99/ user/ month	

27	Klaxoon	https://klaxoon.com/	can add sticky notes import backgrounds filter comments based on color	Limited drawing capabilities	free pro: \$9.90/month	
28	Multidraw	https://www.multidraw.app/	Can create private drawing room with password protections More advanced drawing features Supports pressure sensitivity Chat Feature	Hard to set up account Drawing room not permanent Can only export as a png	Free	
29	FlockMod	https://flockmod.com/	Private room with password online and desktop versions multiple brush styles, colors, shapes, layers can email drawings chat features	Runs on flash which will no longer be supported in December 2020 Pressure sensitivity only available in desktop version Fairly complicated interface	Free	
30	AnonDraw	https://www.anondraw.com/	Chat features Can draw as a guest Private room with passwords	Confusing interface Limited "ink" Limited features Limited import/export features	Free version	Works w/ tablet
31	Twiddla	https://www.twiddla.com/	Ease of use No account required Can draw on whiteboard Mark up websites while browsing Private rooms Can join audio for room	Limited drawing features Limited export features Limited whiteboard features	Free	Works w/ tablet but complications
32	Scribble Together	Scribbletogether.com	Ease of use Can export whiteboard to pdf	Without subscription one person can draw and others can only view Imports limited to image files (couldn't import pdf or slide show and draw on top) Cannot type text	Subscription Required: \$4.99/month \$49.99/year	Designed for Apple Devices, touchscreen preferable
33	DrawPile	https://drawpile.net/	Advanced drawing features Supports pressure sensitivity Can record drawings Can import background Easy saving	Must have an account Must download software Can export only as image file	Free	
34	WBO	https://wbo.ophir.dev/?lang=en	Enhanced drawing features (smoothing) Shapes (rectangle and oval), text Unlimited Whiteboard size (ideal for mindmapping)	Can't save or export whiteboard not private (unique URL and open source) Can't insert pictures or background	free	
35	Witeboard	http://witeboard.com/	Shape detection Extremely easy to use Click and drag straight lines No account required Can type text	Very simplistic Limited colors Cannot import a background	Free	Can be used with laptop easily Works poorly w/ tablet
36	GroupBoard	https://www.groupboard.com/products/	text chat Save as PDF Whiteboard is password protected Export as PDF Import background and images	Difficult to access and set up whiteboard Very limited drawing options (in free version) cannot insert text	free (limited options) \$10/month for full version ("fewer limitations/ads") \$20/month for graphic design package	
37	Baiboard	https://edshelf.com/tool/baiboard/	Multiple people can work at the same time on the same whiteboard Simplistic design	Limited on capabilities and design ability	free	Apple app only
38	SketchTogether	https://sketchtogether.com/index.html	Simple Autosaves boards unlimited boards can insert shapes, text, images, and code public & private boards	boards only last an hour in free version and can't be saved unable to export to pdf	free (limited options) \$.99/month, 1 user \$4/month, 5 users \$18/month, 20 users	Extremely glitchy w/ tablet
39	Mural	mural.ly	Can draw shapes Can type text Can chat Multiple sharing options Can export as a pdf	Drawing confusing to use Requires some set up and an account Limited drawing features Cannot import background directly Can't edit previous drawings (easily), must overwrite	\$12/ month for base account	Does not seem to work with tablet

40	Whiteboard Fox	https://whiteboardfox.com/	no sign in required add text and pictures share, copy all, screenshot Ruler Saves as .png	limited options (no shapes, no different pen colors and sizes) no click and drag	free, no signup	
41	Aggie IO	https://aggie.io/	Ease of use Wide array of color, tools etc. Can export canvas to pdf No account required	Imports limited to image files (can't import pdf or slide and annotate) Cannot type text Buggy Still in development, could be pro or con	Free	Can be used with mouse but touchscreen preferable
42	Hoylu	https://www.hoylu.com/	MS Teams App	Incompatible with Tablet		
43	skWiki	https://engineering.purdue.edu/cdesign/wp/skwiki-a-multimedia-sketching-system-for-collaborative-cres		Not widely available		
44	DigiMetaplan	https://dl.acm.org/doi/10.1145/3365610.3365637		Not widely available		