

FIT3170
Software Engineering Practice

Project Management Plan

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What is Yubi?

Yubi transforms the way online presentations are delivered by placing the presenter at the center of the experience. Instead of relying on traditional controls, Yubi uses gesture-based interactions, allowing presenters to navigate slides and trigger actions using natural hand movements. This approach encourages expressive communication and enables a more immersive and dynamic presentation style.

With support for a variety of gestures, HansRoslinger's Yubi provides flexibility for different contexts, whether switching slides, zooming in on content, or highlighting key points. The tool aims to improve engagement and retention by making presentations more human-centered.

Yubi's interactive format benefits a wide range of users: students giving standout presentations, founders delivering memorable pitches, and professionals in fields like education, business, and healthcare seeking more compelling online delivery.

1. Collections
 - a. Add assets into collection
 - b. Create collections
 - c. Favourite
 - d. Delete an asset or a collection
2. Interactions
 - a. Undo
 - b. Resize
 - c. Drag
 - d. Point
 - e. Paint
 - f. Clear All
 - g. Pinch to click
3. Preview Side Nav
 - a. View selected assets
 - b. Click to display an asset
4. Background augmentation
 - a. Put an asset behind the presenter
 - b. Blur the background
 - c. Color the background

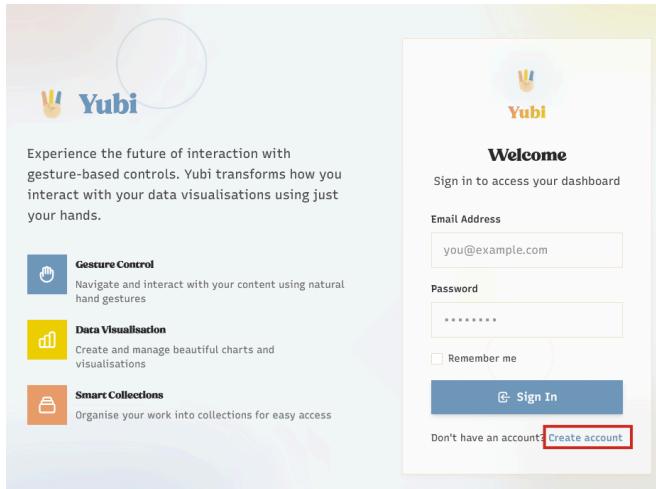
Getting Started

Application link: <https://hans-roslinger.vercel.app>

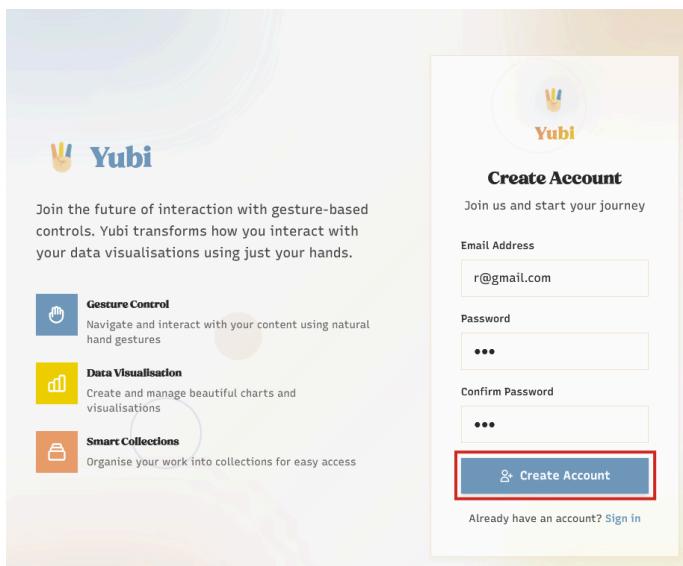
User Authentication

How to create an account

1. Click on “Create account” within the login page.



2. Populate the fields in the Sign up page and click on the “Create Account” button.

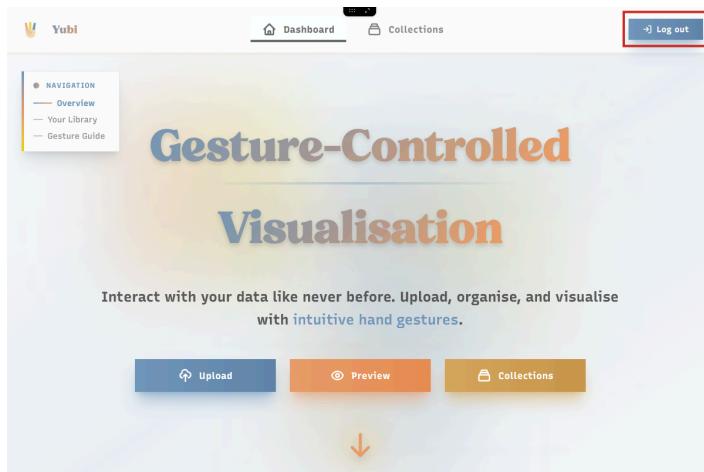


How to sign into your account

1. Populate the fields in the Sign in page and click on “Sign in” button
 *Please note that you can click “Remember me” before to stay signed into the app for 30 days.

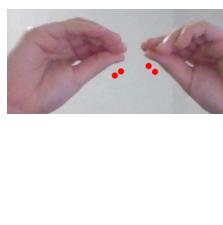
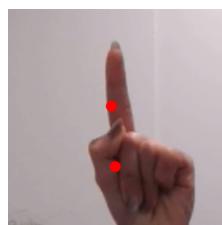
How to logout of your account

1. Click on the “log out” button on the navigation bar on the top right side to log out of the app.



Key Gestures

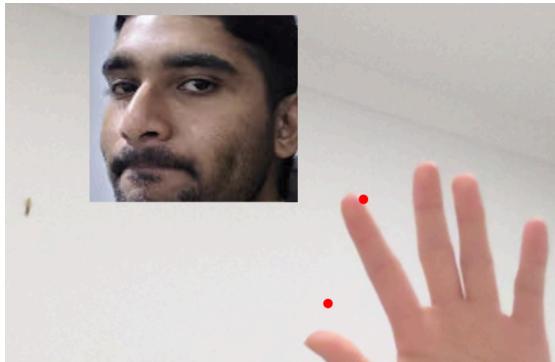
To manipulate and annotate the selected visual on the preview page, several gestures are supported, including open palm, single pinch (pinching with one hand), double pinch (pinching with both hands), pointing up and closed fist. Examples of how these gestures look can be seen below:

Open Palm	Single Pinch	Double Pinch	Point Up	Closed Fist
				

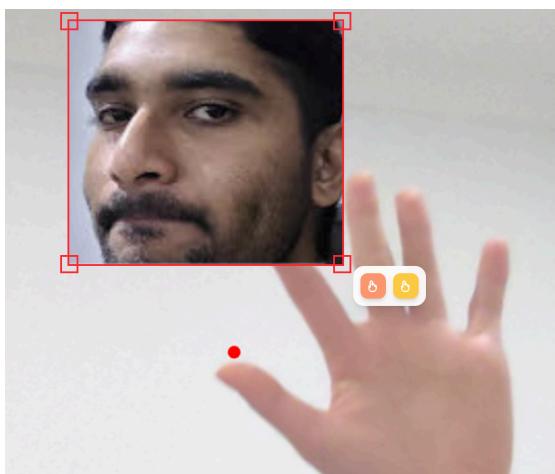
Visual Manipulation

How to Select

1. Perform an open palm gesture.

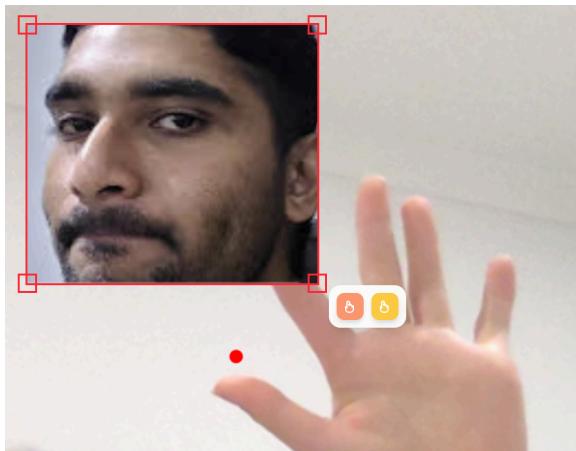


2. Place your index finger over the visual or element you want to select.
3. When selected, the visual will have a red border.



How to Drag

1. Select a visual you want to move.
2. Wait for the bounding box around the selected visual to turn red.

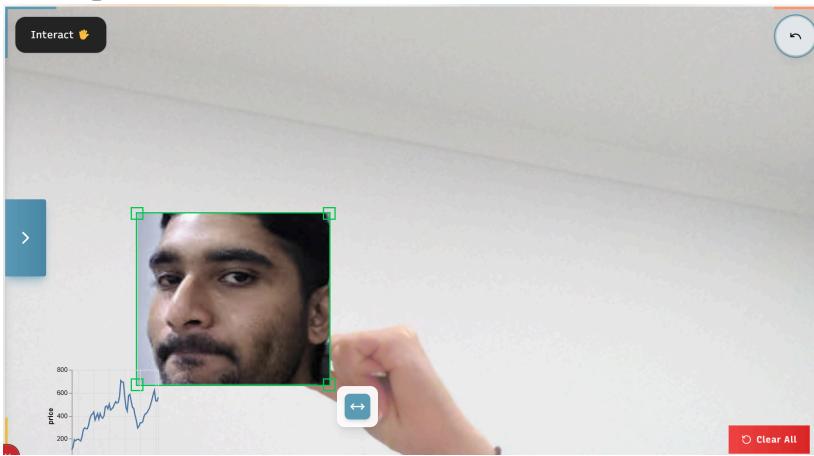


3. Perform a single pinch gesture with your hands.

4. Hold the pinch gesture for at least 3 seconds to activate drag mode.
5. Wait for the bounding box around the selected visual to turn green.



6. To drag, move your hand across the screen while maintaining the pinch.



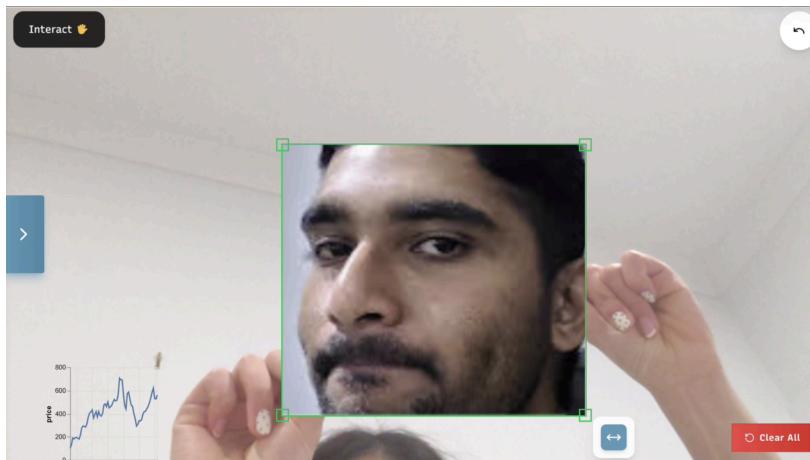
How to Resize

1. Select a visual you want to move.
2. Wait for the bounding box around the selected visual to turn red.



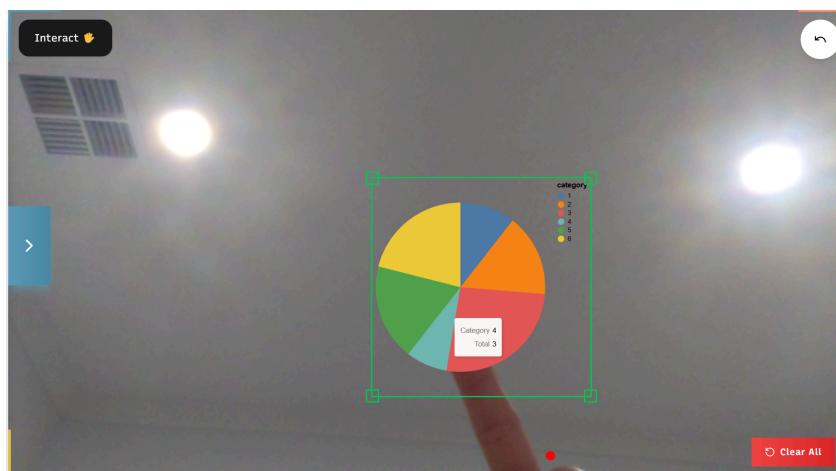
3. Place both hands on the visual.
4. Perform a double pinch gesture with both hands within the selected visual.
 - a. To enlarge the visual, move your hands further apart.

- b. To reduce the visual, move your hands closer together.



How to Interact with VegaLite Chart Data Points

1. Perform a pointer gesture over the data on the VegaLite chart.
2. For example if it is a bar chart, hover over one of the bars, if it is a line graph, hover over the line, etc.
3. Hold the selected point for a couple of seconds.



How Pinch to Click

Any element that can be interacted with a mouse, can also be interacted with a "pinch to click" action.

1. Select the element you want to click by hovering your index finger.



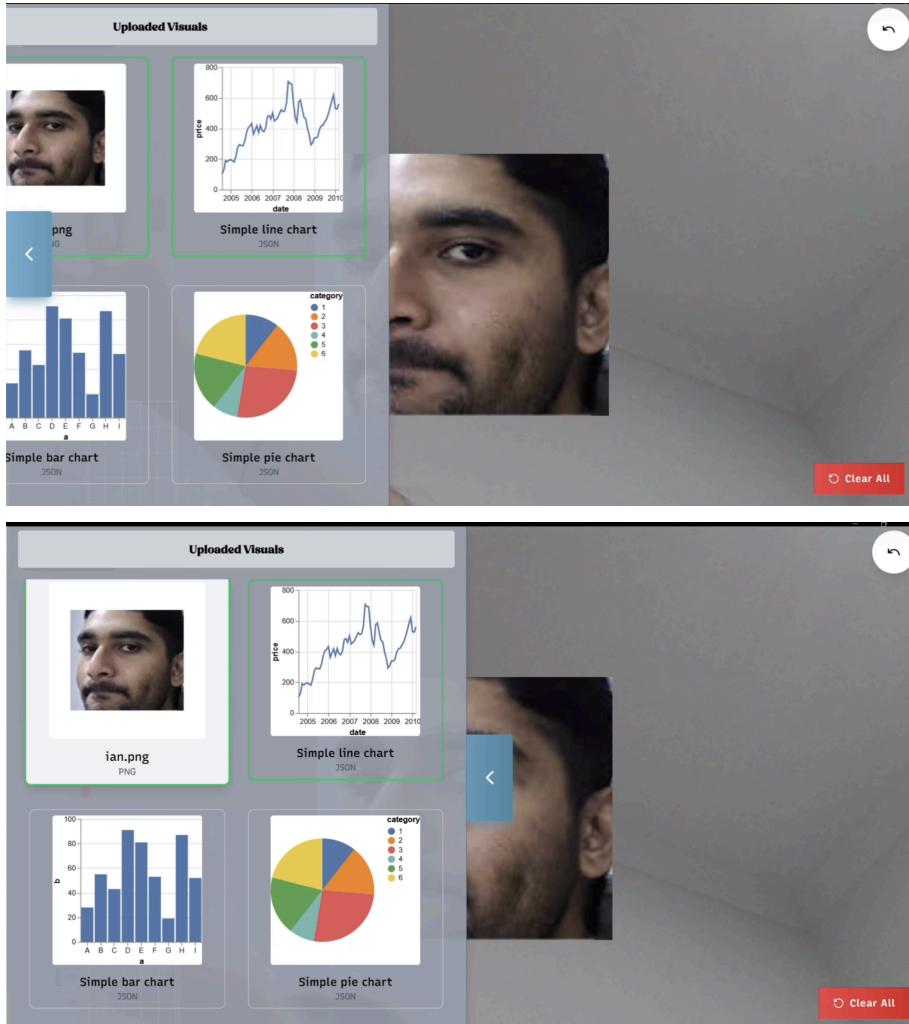
2. Once an element changes in colour, it has been selected.



3. Perform a single pinch gesture with your hand.



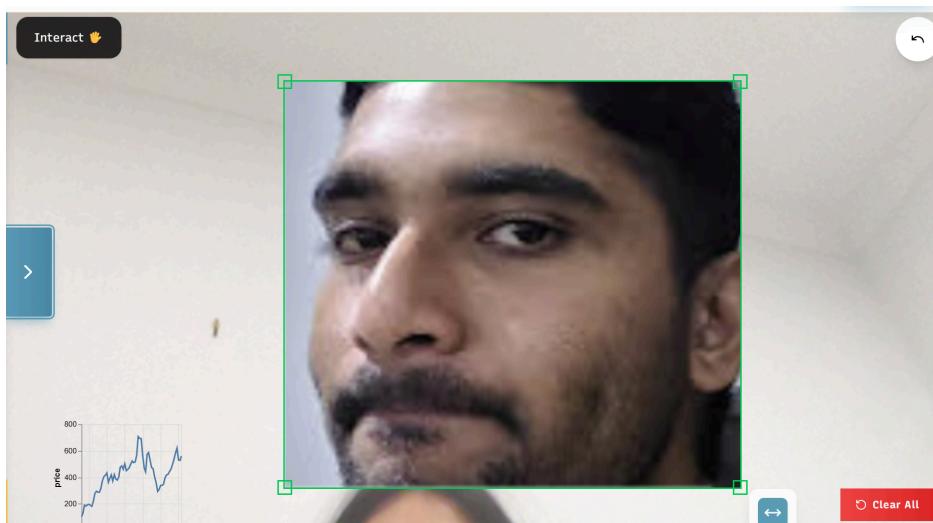
4. The element has now been clicked using a gesture!



How to Undo

A drag and resize action can be undone by **one step**.

1. Hover over the undo button using your index finger.



2. Perform a "pinch to click" action on the undo button.

3. Your visual will revert back to the previous state.



Annotations

How to Switch to Annotation Mode

In **Paint** mode, visuals **cannot** be manipulated (e.g. drag and resize).

1. Hover over the "Paint" toggle using your index finger.
2. Perform a "pinch to click" action to toggle from **Interact** to **Paint** mode.
3. Confirm that the annotation toolbar appears at the bottom of the screen.



How to Paint

1. Perform a single pinch gesture with your hand.
2. To draw, move your hand across the screen while maintaining the pinch.
3. The tip of your finger corresponds to the tip of the pen.



How to Erase

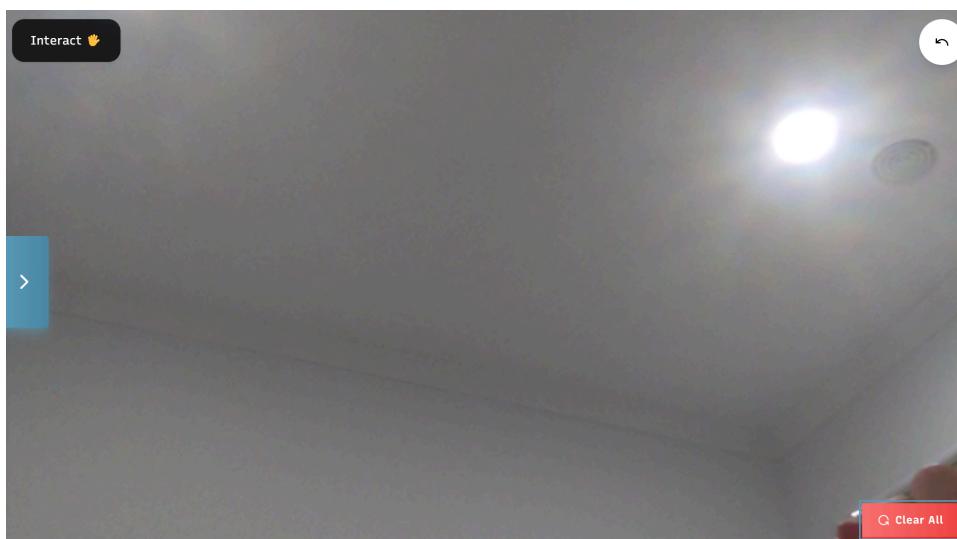
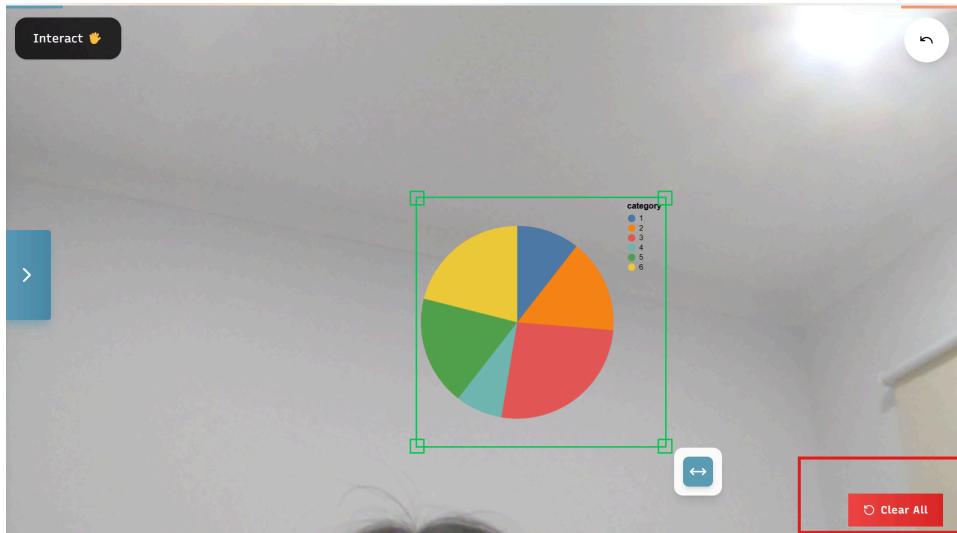
1. Perform a closed fist gesture.
2. A circle will appear, representing the "eraser".
3. Trace your drawings with the "eraser" to remove the paint from the canvas.



How to Clear All

This button removes all visuals presented on the canvas.

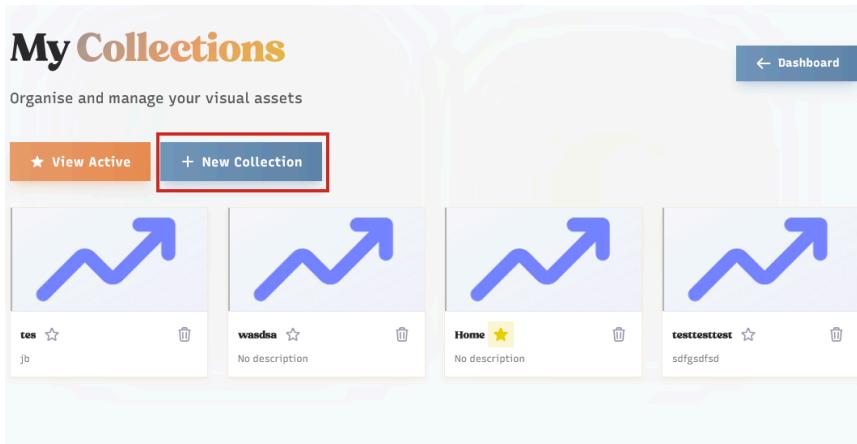
1. Hover over the undo button using your index finger.
2. Perform a “pinch to click” action on the “Clear All” button located in the bottom-right corner.



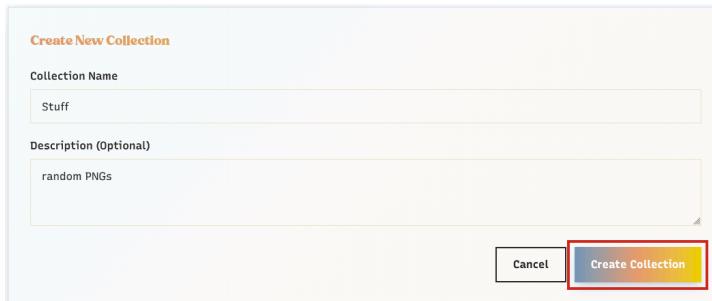
Collections

How to create a collection

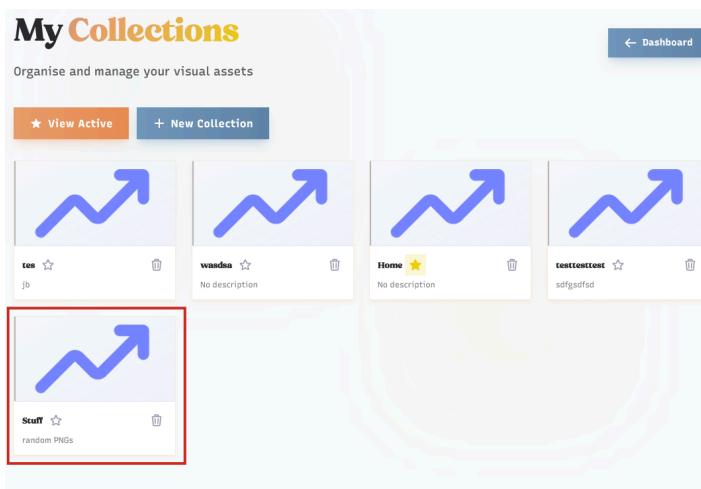
1. Navigate to the collections page
2. Click the “**New Collection**” button



3. Enter a collection name and optional a description in the text boxes and click on “**Create Collection**”



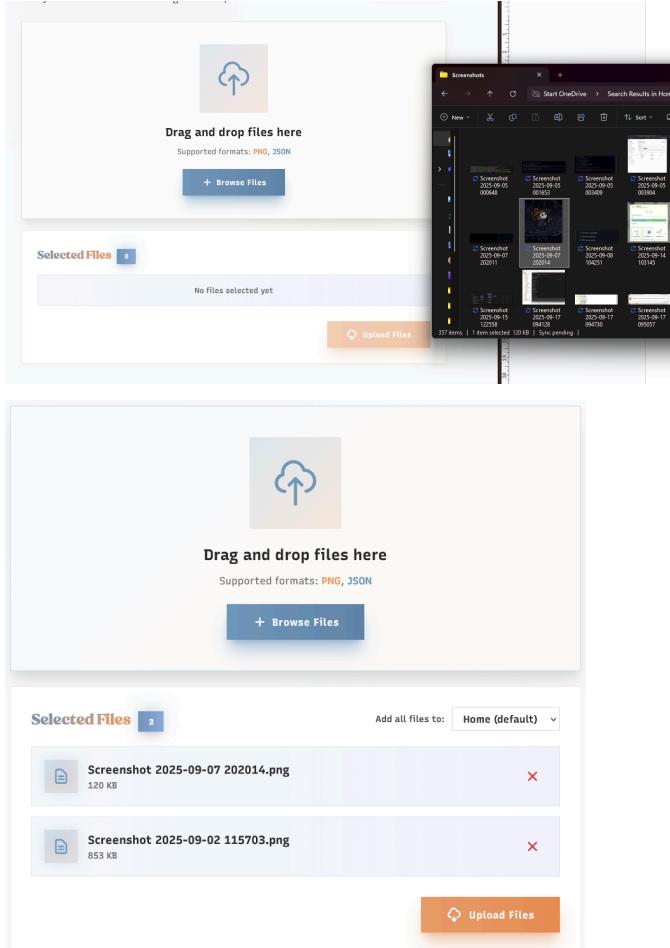
The screenshot shows a modal dialog titled 'Create New Collection'. It has two input fields: 'Collection Name' containing 'Stuff' and 'Description (Optional)' containing 'random PNGs'. At the bottom right are two buttons: 'Cancel' (gray) and 'Create Collection' (yellow).



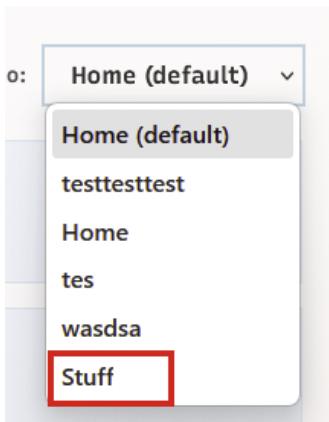
How to upload assets to a collection

1. Navigate to the upload page

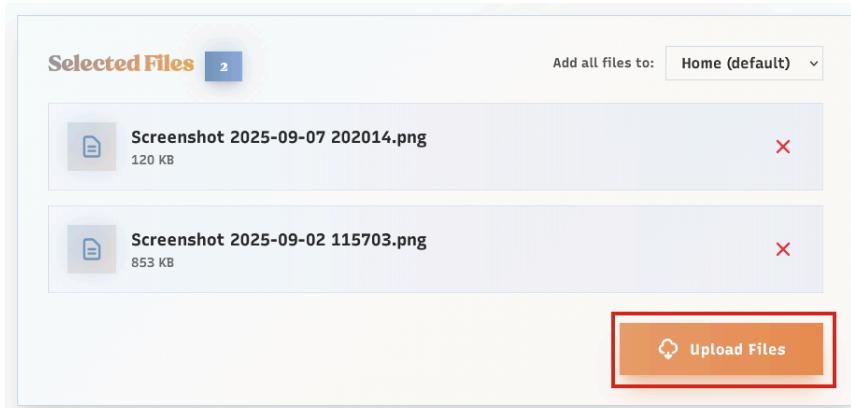
2. Open the assets you want to upload and drag & drop them in.



3. Click on the drop down menu and select the collection you want to upload your assets to.



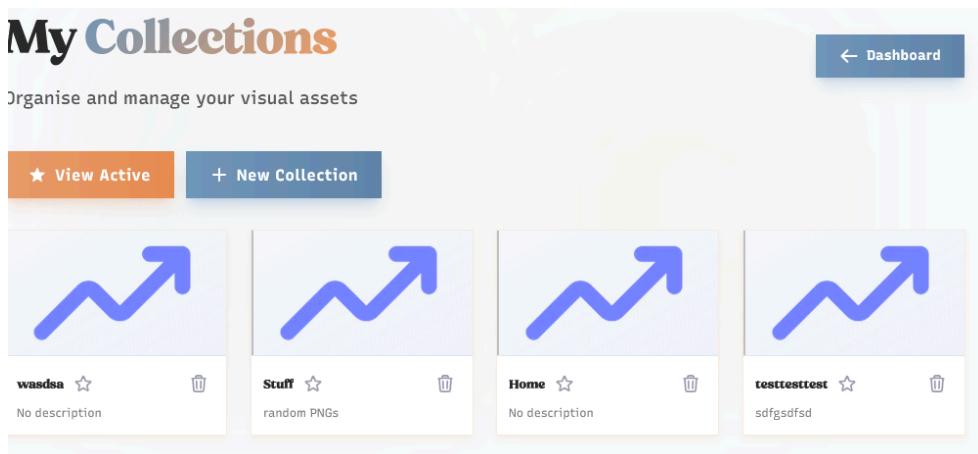
4. Finally, click on the “**Upload Files**” button to upload your assets.



5. To view your uploaded assets, navigate to your collection and click on it.

How to delete a collection

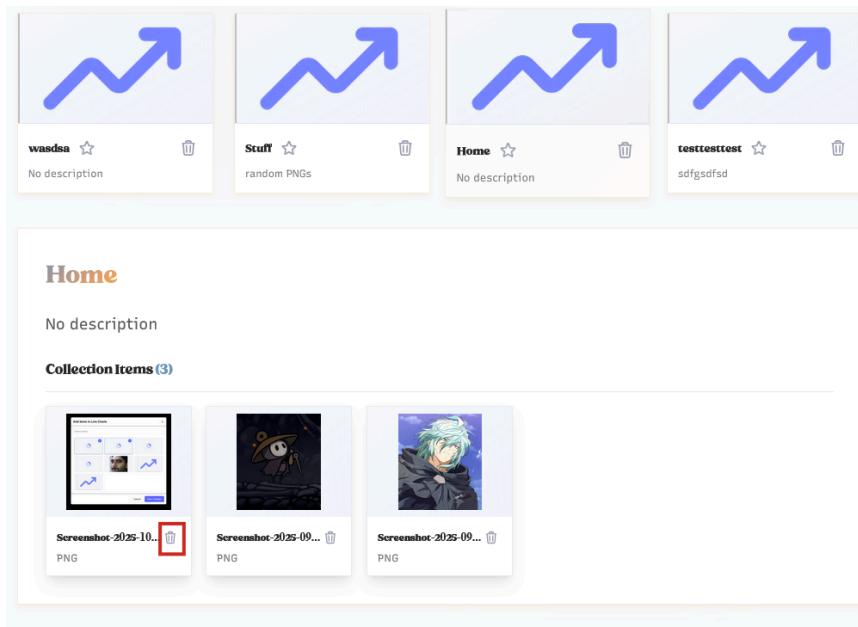
1. Press the delete button on the collection you want to delete

Collection Name	Description
wasdsa	No description
Stuff	random PNGs
Home	No description
testtesttest	sdfgdsfsd

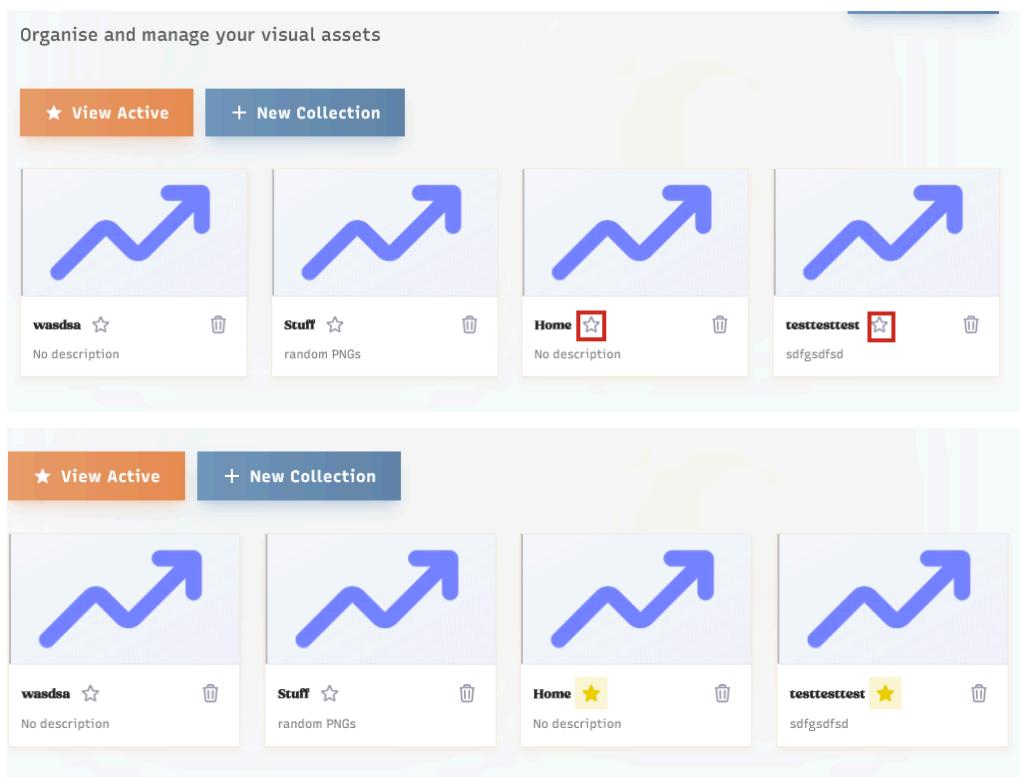
How to delete an asset from a collection

1. Click on a collection to display it and then press the delete button

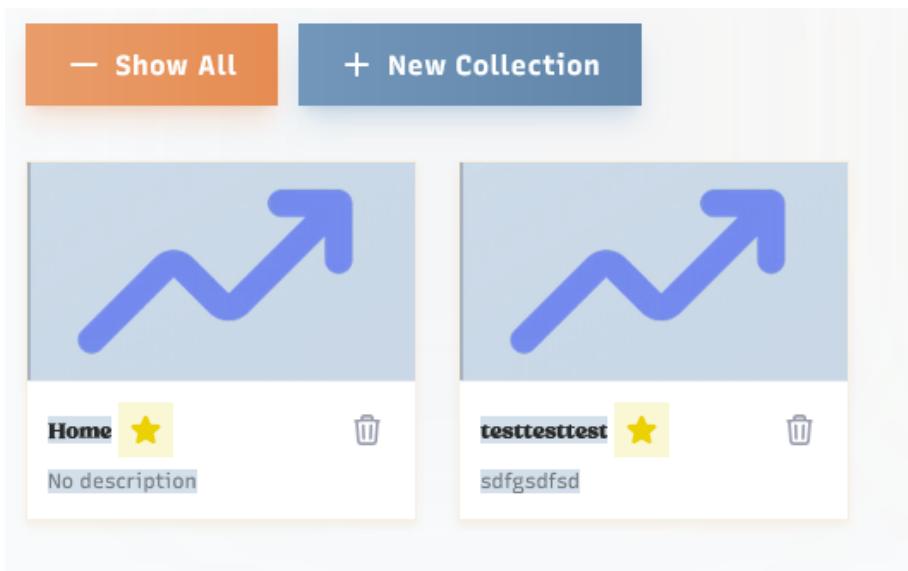


How to select a collection to present

1. Press the **Star** icon to select a collection.



2. Click "**View Active**" to only view the collections that are selected to present



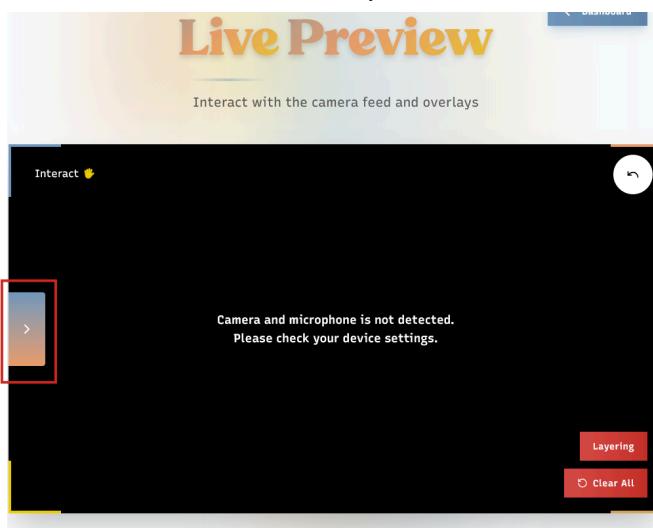
3. Now all your selected collections will be displayed on the side nav when you go to preview

Preview Side nav

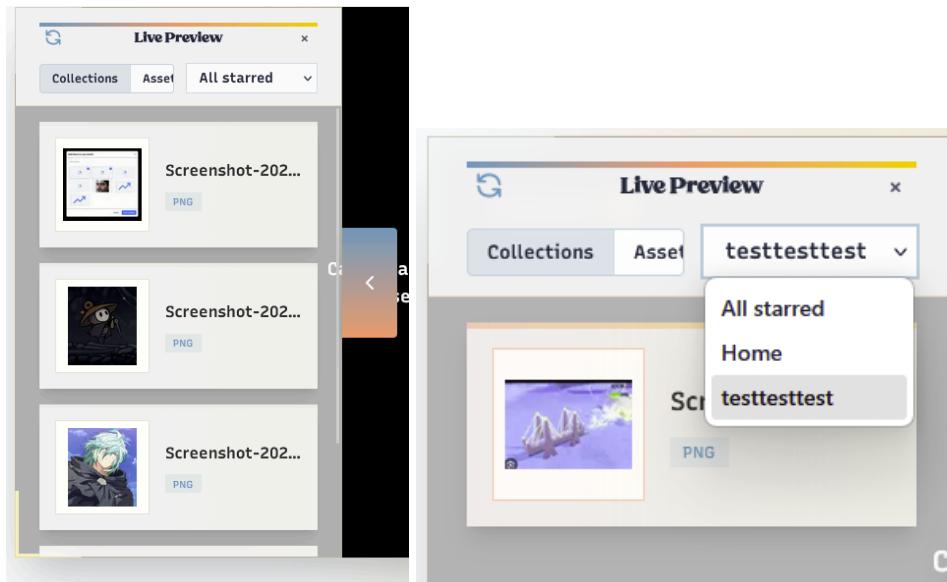
Please ensure that you have selected collections and you are on the preview page.

How to view assets from a selected collection

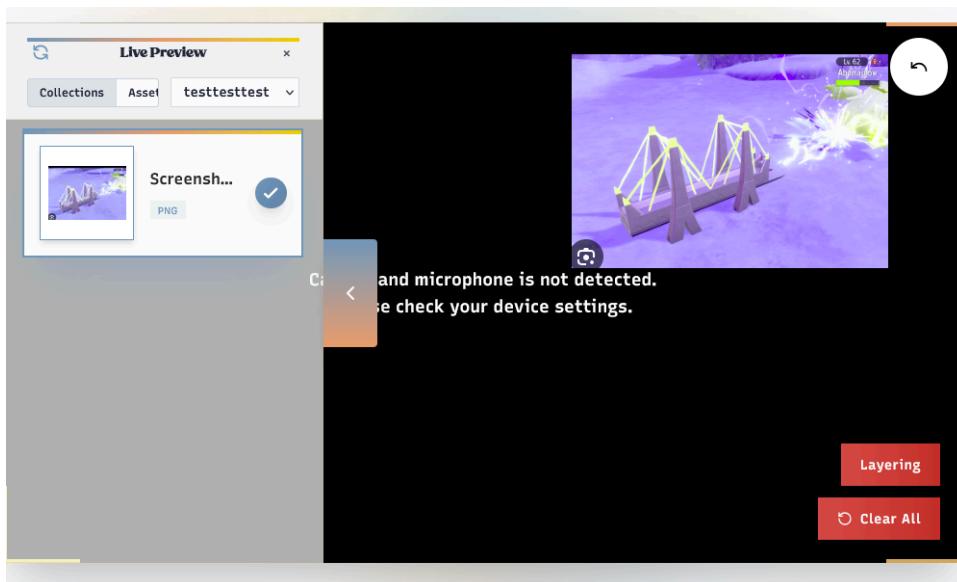
1. Click on the side nav to open it



2. Click on the drop down and select the collection you want to display assets from

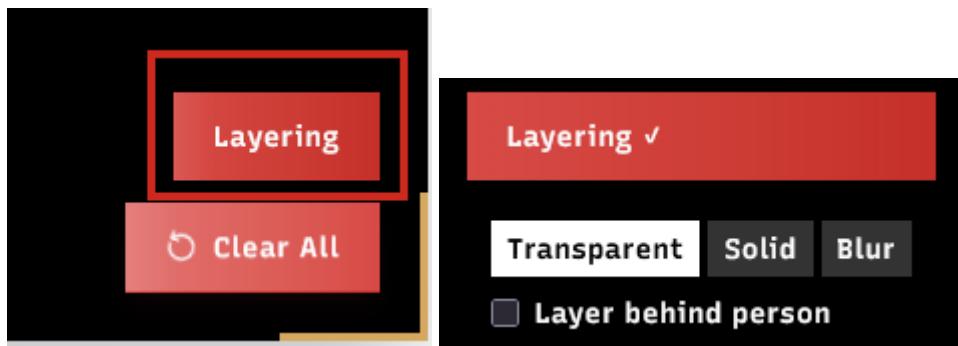


3. Additionally, you may click on the asset to display it in the camera feed.



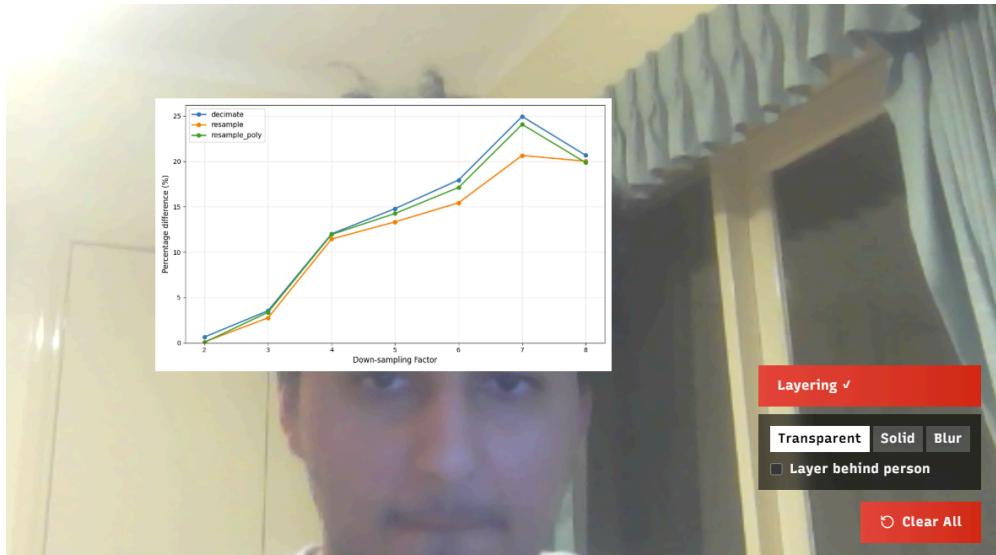
Background augmentation

1. Click on the “Layering” button to activate background augmentation

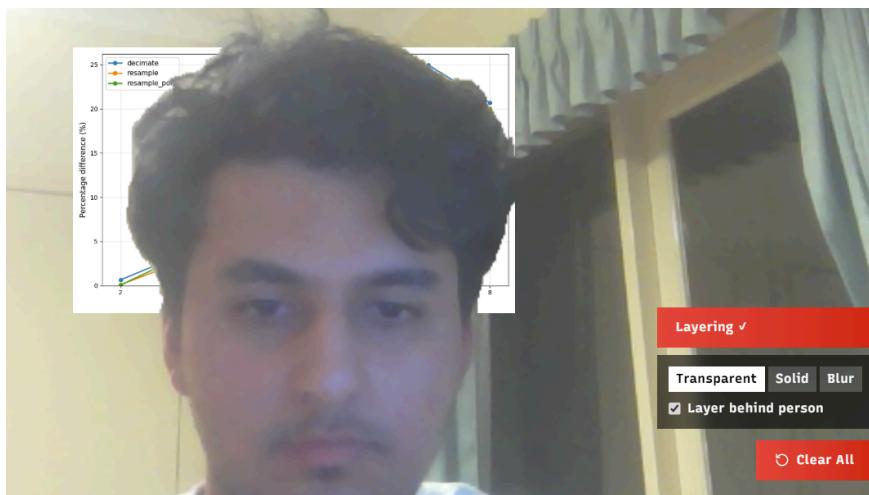


How to make your background transparent & layer assets behind the presenter

2. By default the background is selected as transparent. But you can also click the "**Transparent**" button

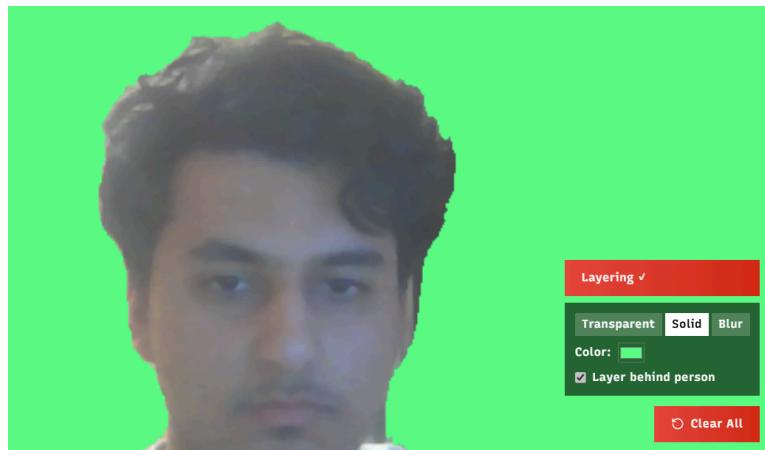


3. Click on "**Layer behind person**" to put the assets behind the presen

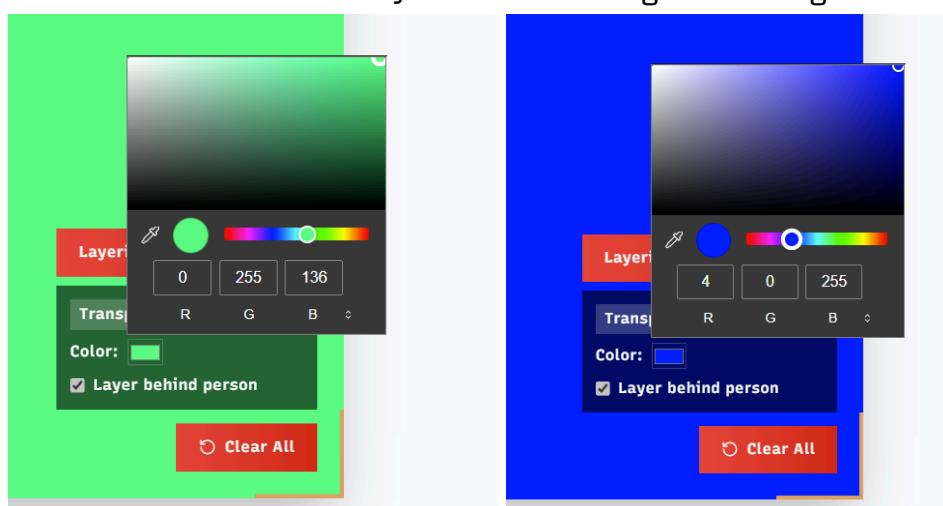


How to make your background solid & change its color

1. Click on "**Solid**" button



- Click on the selected color (green in this case) within the layering menu. Then select the new color you want to change the background to.



How to blur your background

- Select the "Blur" button

