# Add a Frame Object

A Frame is a transparent object which can be used as a "Parent" object in Objects and Animation.

It can also be thought of as a Rectangle Object with Zero Opacity.

# Add the Frame

Click on the Frame Icon to add a Frame.

| Objects and A | nimation (Slide 1 of | 1)                |                        |           |       |       |                                    |              |
|---------------|----------------------|-------------------|------------------------|-----------|-------|-------|------------------------------------|--------------|
| 🛒 M [         | 1 📧 T 🚺              | 🖬   າ ເ           | 🖻 🔏 🋍 🗙                | ₩ ▼ 50% ▼ | Close |       |                                    | < + >        |
|               |                      |                   |                        |           |       | •     | Properties                         | Animation    |
|               |                      |                   |                        |           |       |       | ✓ Pan (%)                          | add modifier |
|               |                      |                   |                        |           |       |       | X 0 Y 0                            | z o          |
|               |                      |                   |                        |           |       |       |                                    |              |
|               |                      |                   |                        |           |       |       | Zoom (%)                           | add modifier |
|               |                      |                   |                        |           |       |       | X 100 Y 100                        | ee 100%      |
|               |                      |                   |                        |           |       |       | V Rotate                           | add modifier |
|               |                      |                   |                        |           |       |       | C 0 Y 0                            | X 0          |
|               |                      |                   |                        |           |       |       | Center                             | add modifier |
|               |                      |                   |                        |           |       |       | X 0 Y 0                            |              |
|               |                      |                   | /                      |           |       |       | E Framing                          | add modifier |
| <b>^</b>      | Properties           | Animation         |                        |           |       |       | s x                                | Y            |
|               |                      |                   |                        |           |       |       | ☑ Opacity                          | add modifier |
|               | Name                 | Frame1            |                        |           |       |       | A 100                              | add modifier |
|               | Fill mode            | Solid 👻           |                        |           |       |       |                                    |              |
|               | Color(s)             |                   |                        |           |       |       | V Blur                             | add modifier |
|               | Native size          | 1920 x 1080       |                        |           |       |       | R 0                                |              |
|               |                      |                   |                        |           |       |       | Color correction                   | add filter   |
|               |                      |                   |                        | 3         |       |       |                                    |              |
| 4             |                      |                   | T                      | 1         |       |       | <ul> <li>Key frame time</li> </ul> | 💼 ms         |
| )             |                      | 0.000             |                        |           |       |       |                                    |              |
| Frame1        |                      | 0.000             |                        |           |       |       | Frame1                             |              |
|               |                      |                   |                        |           |       |       |                                    |              |
| Project Optio | ns Slide Opt         | tions 🕑 Preview 🖉 | 7 Full duration: 7.0 s |           |       | Tools |                                    |              |

- The Frame is added to the Objects and Animation Screen
- The Size of the Frame is the Project Size and it "Fits" the Screen
- The Zoom for the Frame is 100% when it Fits the Screen
- The Opacity of the Frame is Zero

# **Multiple Frames**

• Frames can be added to other frames (Parent / Child) and can be renamed in the Common Tab

| 🖬 Objects and Animation (Slide 1 of 1) - 🗆 🗙 |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     |   |             |           |    |               |
|--|---------|----------|------|-------|--------|---|-----|-------|----|---|------|----------|----------|---|---|---|-----|-------|------|---|-------|-----|---|-------------|-----------|----|---------------|
|  | М       |          | OK   | Т     |        |   | 1   | 5     | ¢  |   | *    | <b>B</b> | ×        | 6 | • | A | uto | -   [ | Clos | e |       |     |   |             |           |    | 4 <b>&gt;</b> |
| 1.57N  |         |          |      |       |        |   |     |       |    |   | 5.5  |          |          |   |   |   |     |       |      |   | 62    | ^ [ | Properties  |             | Animati   | on |               |
| 1  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   | Ĩ     |     |   |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Name  | Rotate Fram | e         |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Fill mode   | Solid       |           |    | •             |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Color(s)  | 00000       |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Native size                                       | 1920        | × 108     | 0  |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Edge antialiasing                                 |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Common  |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Transparent to selecti                            | on          |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Show front side                                   |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Show back side                                    |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Hide child objects                                |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Shadow  |             | Customize |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Fit mode  | Fit         |           |    | •             |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Time range  | 0           | - 70      | 0  |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | Action on mouse click -                           |             |           |    |               |
| <b></b>                                      |         |          |      |       |        |   |     |       |    |   | _    | i.       |          |   |   |   |     |       |      |   |       |     | None  |             |           |    | •             |
| <  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   | >     | ~   |   |             |           |    |               |
|  | •       | <b>→</b> | -)[+ |       |        |   | 0.0 | 000   |    |   |      |          |          |   |   |   |     |       |      |   | €ţ    | >   |   |             |           |    |               |
| Rotate                                       | Frame   |          |      |       |        |   | 0.0 | 000   |    |   |      |          |          |   |   |   |     |       |      |   |       |     |   |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     | <ul> <li>Pan Frame</li> <li>Zoom Frame</li> </ul> |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       | F   | Rotate Frame                                      |             | _         |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       | L   |   |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     |   |             |           |    |               |
|  |         |          |      |       |        |   |     |       |    |   |      |          |          |   |   |   |     |       |      |   |       |     |   |             |           |    |               |
| -  |         |          |      |       |        |   |     |       |    |   | 1    |          |          |   |   |   |     |       |      |   | 1     |     |   |             |           |    |               |
| Pro  | ject Op | tions    |      | Slide | Option | s |     | Previ | ew | 0 | Full | duratio  | n: 7.0 s | 5 |   |   |     |       |      |   | Tools |     |   |             |           |    |               |

- Using the Multiple Frames approach animation can applied to each frame independently
- Pan motion is applied to the Pan Frame
- Zoom motion is applied to the Zoom Frame
- Rotation is applied to the Rotate Frame
- The Object can also be animated independently of the three frames

#### Add a Frame Object

| Objects and Animation (Slide 1 of 1)            |                                       |                          |  |             |  |  |  |  |  |
|---|---------------------------------------|--------------------------|--|-------------|--|--|--|--|--|
| 🛒 M 🛄 🎟 T 🔲                                     | 🛃   🤊 🦿   🖻 🐰 🛍 🕻                     | 🗙 🛛 🏢 👻 🛛 Auto 🖂 📔 Close |  | ٠,          |  |  |  |  |  |
|   |                                       |                          | Properties                                 | Animation   |  |  |  |  |  |
|   |                                       |                          |  |             |  |  |  |  |  |
|   |                                       |                          | Name                                       | Object      |  |  |  |  |  |
|   |                                       |                          | Fill mode                                  | Solid 👻     |  |  |  |  |  |
|   |                                       |                          | Color(s)                                   |             |  |  |  |  |  |
|   |                                       |                          | Native size                                | 1920 x 1080 |  |  |  |  |  |
|   |                                       |                          | 🗹 Edge antialiasing                        | ·           |  |  |  |  |  |
|   | Ĭ Š                                   |                          | Common                                     |             |  |  |  |  |  |
|   |                                       |                          | Transparent to select                      | ion         |  |  |  |  |  |
|   |                                       |                          | Show front side                            |             |  |  |  |  |  |
|   |                                       |                          | Show back side                             |             |  |  |  |  |  |
|   | · · · · · · · · · · · · · · · · · · · |                          | Hide child objects                         |             |  |  |  |  |  |
|   |                                       |                          | Shadow                                     | Customize   |  |  |  |  |  |
|   |                                       |                          | Fit mode                                   | Fit 🔻       |  |  |  |  |  |
|   |                                       |                          | Time range                                 | 0 - 7000    |  |  |  |  |  |
|   |                                       |                          | Constant Constant                          |             |  |  |  |  |  |
|   |                                       |                          | Action on mouse click                      |             |  |  |  |  |  |
|   |                                       |                          | None                                       | •           |  |  |  |  |  |
| <   |                                       |                          | >  |             |  |  |  |  |  |
| $\mathbf{F} = \mathbf{F} \mathbf{F} \mathbf{F}$ | 0.000                                 |                          | $\stackrel{\uparrow}{\longleftrightarrow}$ |             |  |  |  |  |  |
| Object  | 0.000                                 |                          | ✓ ☐ Pan Frame                              |             |  |  |  |  |  |
|   |                                       |                          | V Zoom Frame                               |             |  |  |  |  |  |
|   |                                       |                          | ✓ □ Rotate Frame                           |             |  |  |  |  |  |
|   |                                       |                          | Object                                     | 1           |  |  |  |  |  |
|   |                                       |                          |  |             |  |  |  |  |  |
|   |                                       |                          |  |             |  |  |  |  |  |
|   |                                       |                          | 1  |             |  |  |  |  |  |
| Project Options Slide Options                   | Preview 😰 Full duration:              | 7.0 s                    | Tools                                      |             |  |  |  |  |  |

# • Frames can be made "Transparent to Selection"

| 🗹 Objects and Animation (Slide 1 of 1) – 🗆 🗙 |  |                  |   |   |  |  |  |  |  |
|--|--|------------------|---|---|--|--|--|--|--|
|  | 🖬   ๖ 🦿   🖻 🐰 🎘 🖊  | 🗰 👻 Auto 🗸 Close |   | 4 •   |  |  |  |  |  |
|  | The second s |                  | ^ Properties  | Animation   |  |  |  |  |  |
| •  |  |                  |   |   |  |  |  |  |  |
|  |  |                  | Name  | Pan Frame   |  |  |  |  |  |
|  |  |                  | Fill mode   | Solid 👻   |  |  |  |  |  |
|  |  |                  | Color(s)  | E   |  |  |  |  |  |
|  |  |                  | Native size   | 1920 x 1080   |  |  |  |  |  |
|  |  |                  | 🗌 Edge antialiasing   |   |  |  |  |  |  |
|  |  |                  | Common  |   |  |  |  |  |  |
|  |  |                  | Transparent to sele   | ction   |  |  |  |  |  |
|  |  |                  | Show front side   |   |  |  |  |  |  |
|  |  |                  | Hide child objects  |   |  |  |  |  |  |
|  |  |                  | □ Shadow  | Customize   |  |  |  |  |  |
|  |  |                  | Fit mode  | Fit   |  |  |  |  |  |
|  |  |                  | Time range  | 0 - 7000  |  |  |  |  |  |
|  |  |                  | <ul> <li>Constants Constants and Constants</li> </ul>               |   |  |  |  |  |  |
|  |  |                  | Action on mouse click   |   |  |  |  |  |  |
| •  | •  |                  | None  | •   |  |  |  |  |  |
| (  |  |                  | >   |   |  |  |  |  |  |
|  | 0.000  |                  | $\stackrel{\wedge}{\leftarrow} \stackrel{\rightarrow}{\rightarrow}$ |   |  |  |  |  |  |
| Pan Frame                                    | 0.000  |                  | 💙 🛄 Pan Frame   | al contraction of the second se |  |  |  |  |  |
|  |  |                  | Y 🔲 Zoom Frame  |   |  |  |  |  |  |
|  |  |                  | ✓ ☐ Rotate Frame  | •   |  |  |  |  |  |
|  |  |                  | Object  |   |  |  |  |  |  |
|  |  |                  |   |   |  |  |  |  |  |
| Project Options Slide Options                | Preview 🖅 Full duration: 7.0 s   |                  | Tools   |   |  |  |  |  |  |

## Hierarchy in Parent / Child Relationships

- Note that in the above example:
  - The Object is at the "Front"
  - The Pan Frame is at the "Rear"

### **Hierarchy in Independent Frames / Objects**

- An Independent Frame or Object which is placed "above" another Independent Frame or Object in the Objects List is also "above" in terms of Selection
- "Higher" Independent Frames or Objects in the Objects List need to be made "Transparent to Selection" to be able to Click on and Select "Lower" Independent Frames or Objects
- This also applies to Published Exe Files which have HyperLinks on Objects

#### A frame whose dimensions are different to the project size

When working in the Objects and Animations window it is sometimes advantageous to add a frame, the dimensions of which differ from the project size. An example would be to create a square frame in a 3:2 Project.

• Change the Native Size to the desired dimensions

From: https://docs.pteavstudio.com/ - **PTE AV Studio** 

Permanent link: https://docs.pteavstudio.com/en-us/11.0/how\_to\_v9/frame



Last update: 2022/12/19 12:10