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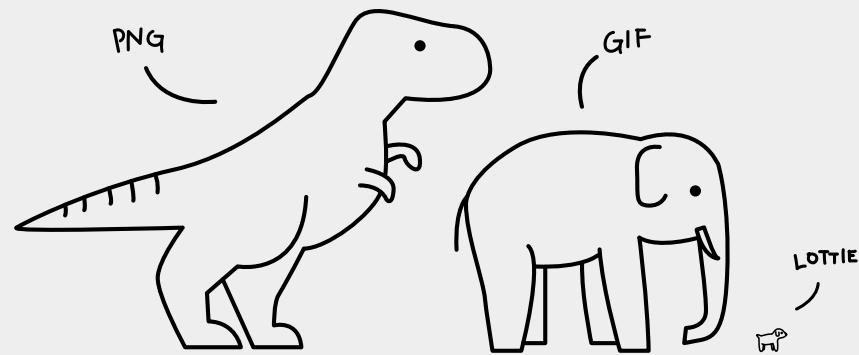
Community Partner



Animation

A Whole Lottie Tools out There

Andy Dent



Why Animate? - Lottie reasons

Amuse

Distract

Inform



Why Animate? - Lottie reasons

Amuse

Distract

Inform



Why Animate? - Lottie reasons

Amuse

Distract

Inform



Lottie

Simple animated vectors from Adobe After Effects via *bodymovin* plugin to JSON, effectively a standard invented in 2015 with web player.

Fast native players by AirBnb 2017 onwards

Visual editors we will be talking about:
Keyshape, Flow and Synfig.

Why does Text Matter?

Lottie is text just like SVG
(except JSON rather than <XML>)



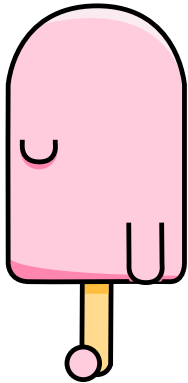
Easily parsed, hand-edited,
& diffed by version control.

```
1 {"v":"5.5.8","fr":60,"ip":0,"op":69,"w":200,"h":200,"nm":"
2 Hamburger_menu","ddd":0,"assets":[],"layers":[{"ddd":0,"ind
3 :1,"ty":4,"nm":"Top","sr":1,"ks":{"o":{"a":0,"k":100,"ix":11
4 },"r":{"a":0,"k":0,"ix":10},"p":{"a":1,"k":[{"i":{"x":0.58,"
5 y":0.58},"o":{"x":0.42,"y":0.42},"t":0,"s":[101,81.5,0],"to"
6 :[0,0,0],"ti":[0,0,0]},{i":{"x":0.58,"y":1},"o":{"x":0.42,"
7 y":0},"t":39,"s":[101,81.5,0],"to":[0,0.583,0],"ti":[0,-0.
8 583,0]},{t":44,"s":[101,85,0]}],"ix":2},"a":{"a":0,"k":[0,0
9 ,0],"ix":1},"s":{"a":0,"k":[100,100,100],"ix":6}},"ao":0,"
10 shapes":[{"ty":"gr","it":[{"ind":0,"ty":"sh","ix":1,"ks":{"a
11 ":1,"k":[{"i":{"x":0.58,"y":1},"o":{"x":0.001,"y":0},"t":21,
12 "s":[{"i":[[0,0],[-5.832,0.104],[0,0]],"o":[[0,0],[5.167,-0.
13 092],[0,0]],"v":[[-9.5,0],[-0.167,0.092],[9.167,0.167]],"c":
14 false}]}],"t":37,"s":[{"i":[[0,0],[-10.333,-0.092],[0,0]],"o
15 ":[[0,0],[9.667,0.086],[0,0]],"v":[[-9.833,0.167],[-0.334,-6
```

LottieFiles

The LottieFiles site is a (now) commercial marketplace. Apart from providing hosting and sales of many lottie animations, it allows for some simple recolouring.

Let's play with the Melting Lolly.



LottieFiles Demo 1

Layer recolouring is a visual tool.

Melting lolly

A melting ice lolly.

a day ago



Add a comment

Lottie Animation URL

<https://assets3.lottiefiles.com/packages/> 

 Animation Speed

1x

 Background Color

 #FFFFFF

[oEmbed URL](#) [iFrame code](#)

<https://lottiefiles.com/69998-melting-loll> 

Use this animation in

<html>



Interactivity 

 Edit Layer Colors

LottieFiles Demo 2

Graphical Editors

Synfig	Keyshape	Flow	Cavalry
M/W/L	Mac	Mac	Mac/Win
Free GPL	\$47 once-off	Lottie \$270pa	\$30/ month
Import SVG	Import SVG or Lottie(*)	Sketch, SVG, Figma	SVG + Paste vectors
		+Native Mobile UI	+Procedural

Adobe After Effects \$30/month

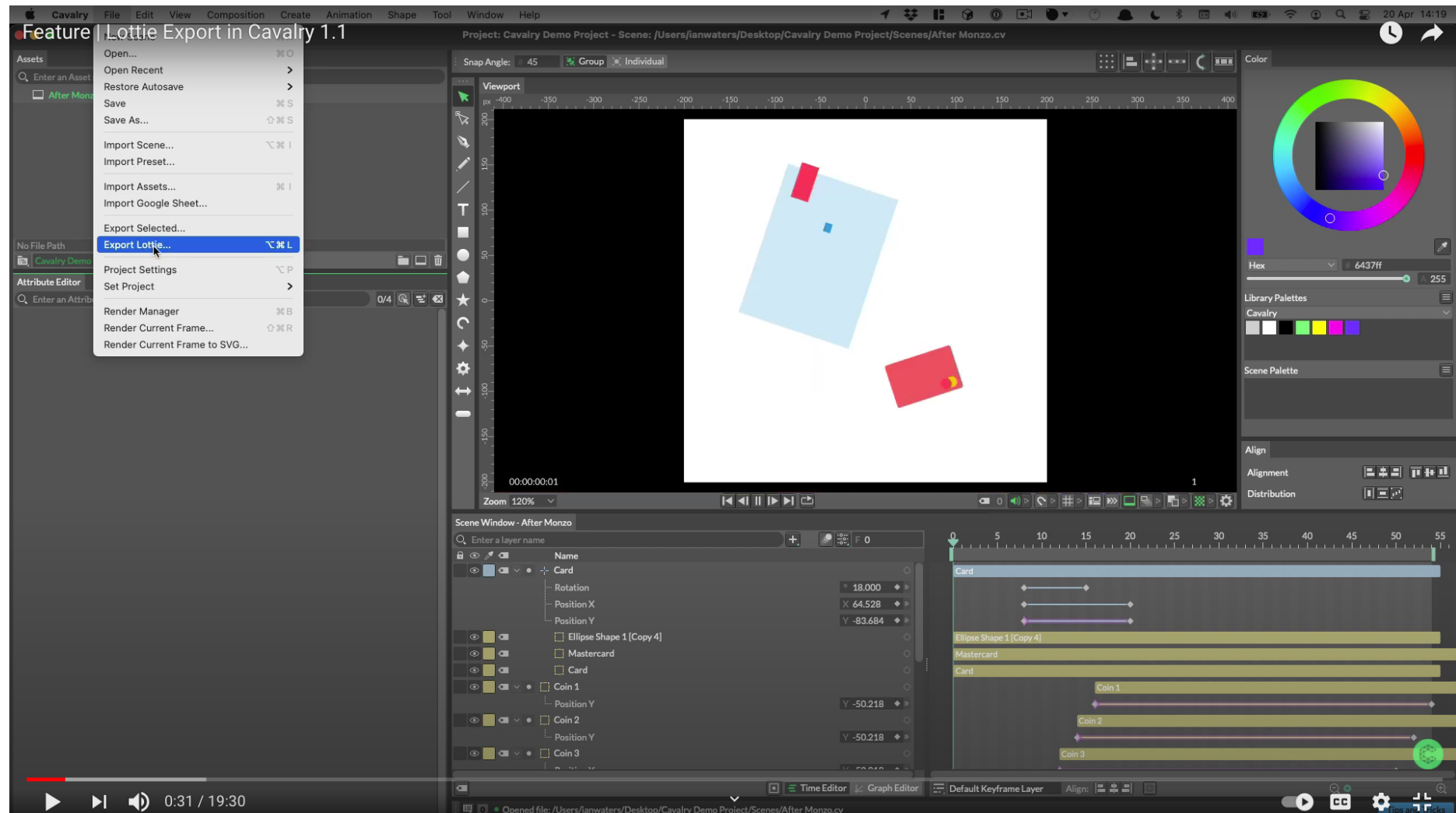
Cavalry

Cavalry is a brand new procedural application with ambitions to make waves in the worlds of animation, design, creative coding, film, generative art, data visualisation, experiential and advertising.

Incredibly powerful cross-platform product, worth a serious look but not demo'ing today due lack of time.

See video of Lottie export

Cavalry Export screenshot

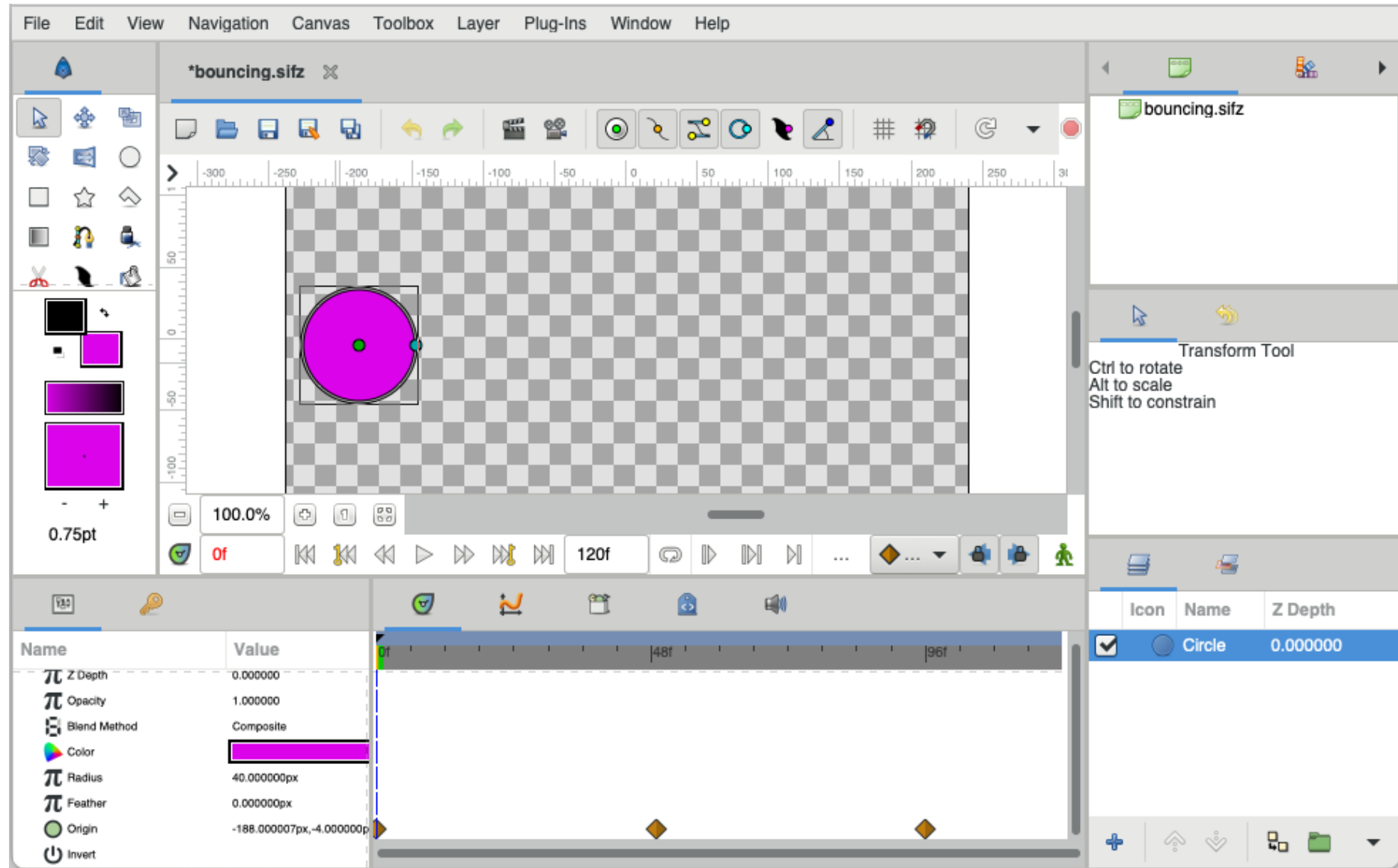


Synfig

Aimed more at people doing full animated movies

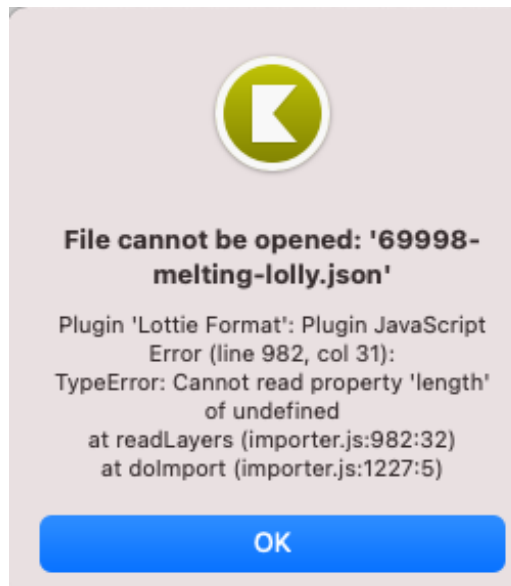
Like Blender, powerful but complicated & not-always
intuitable UI to learn.

Synfig Demo

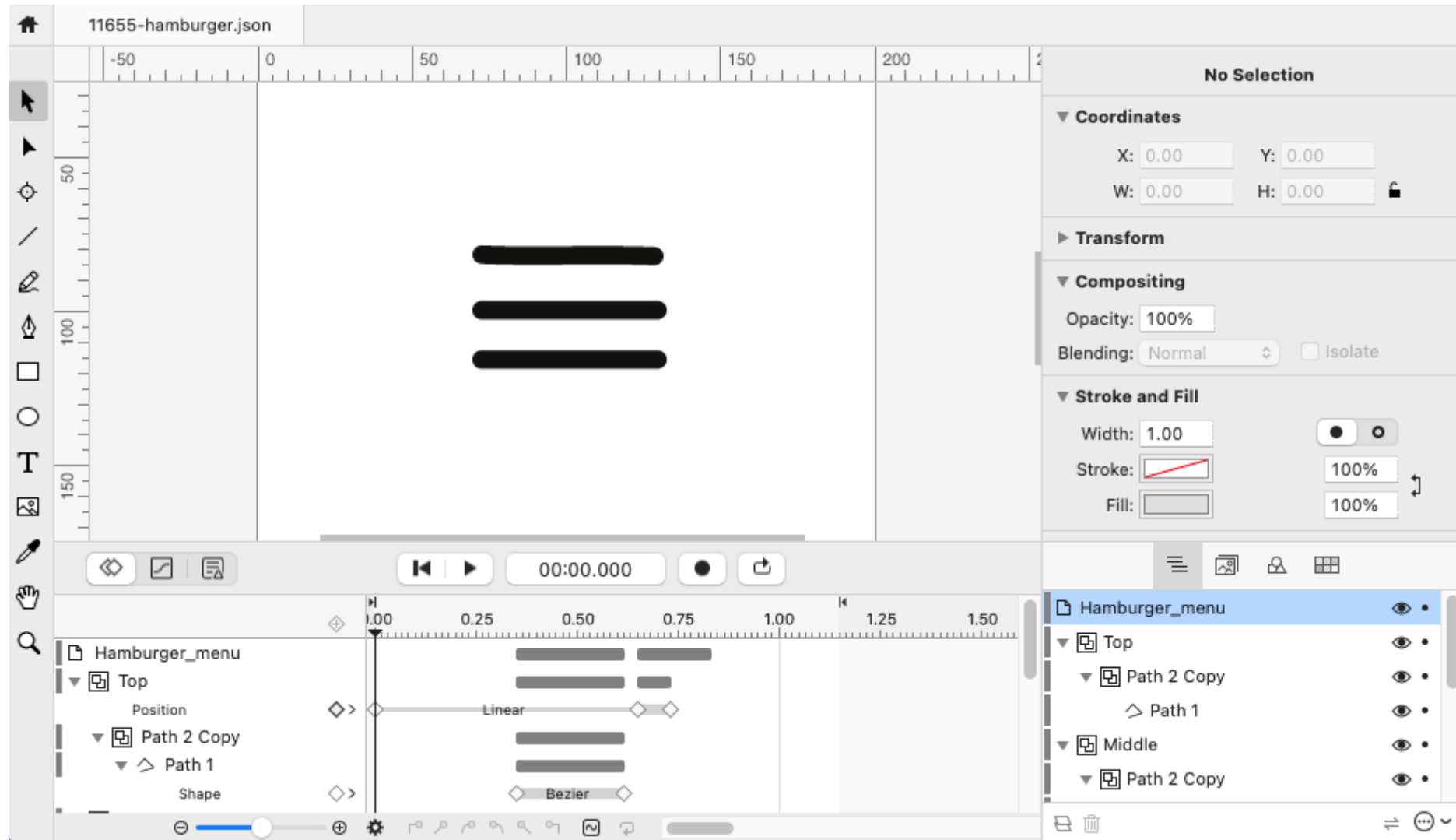


Keyshape

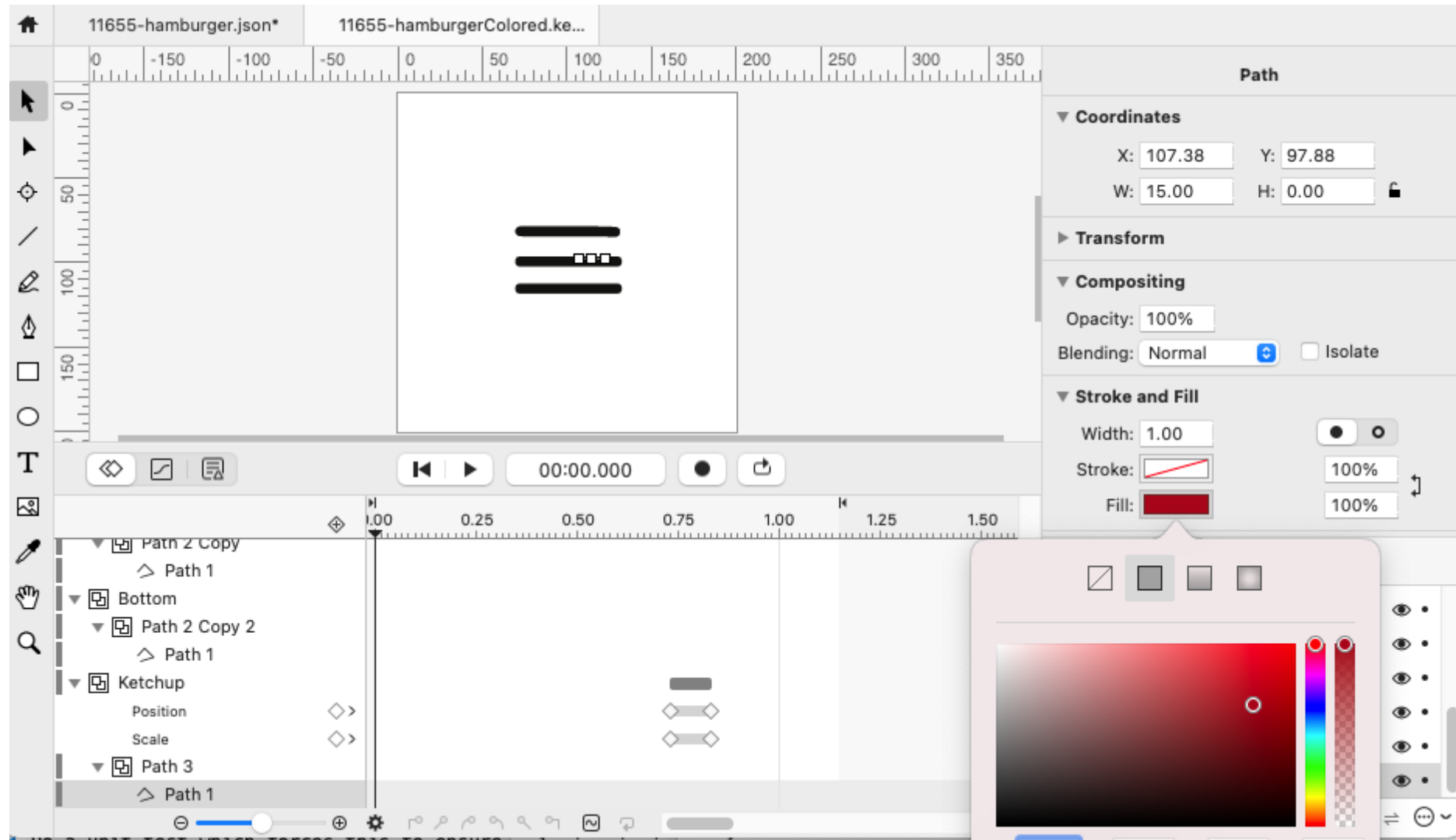
Keyshape has an extensible plugin architecture which includes one they created for Lottie import/export. (and another for *Android's Animated Vector Drawables* which we will ignore)



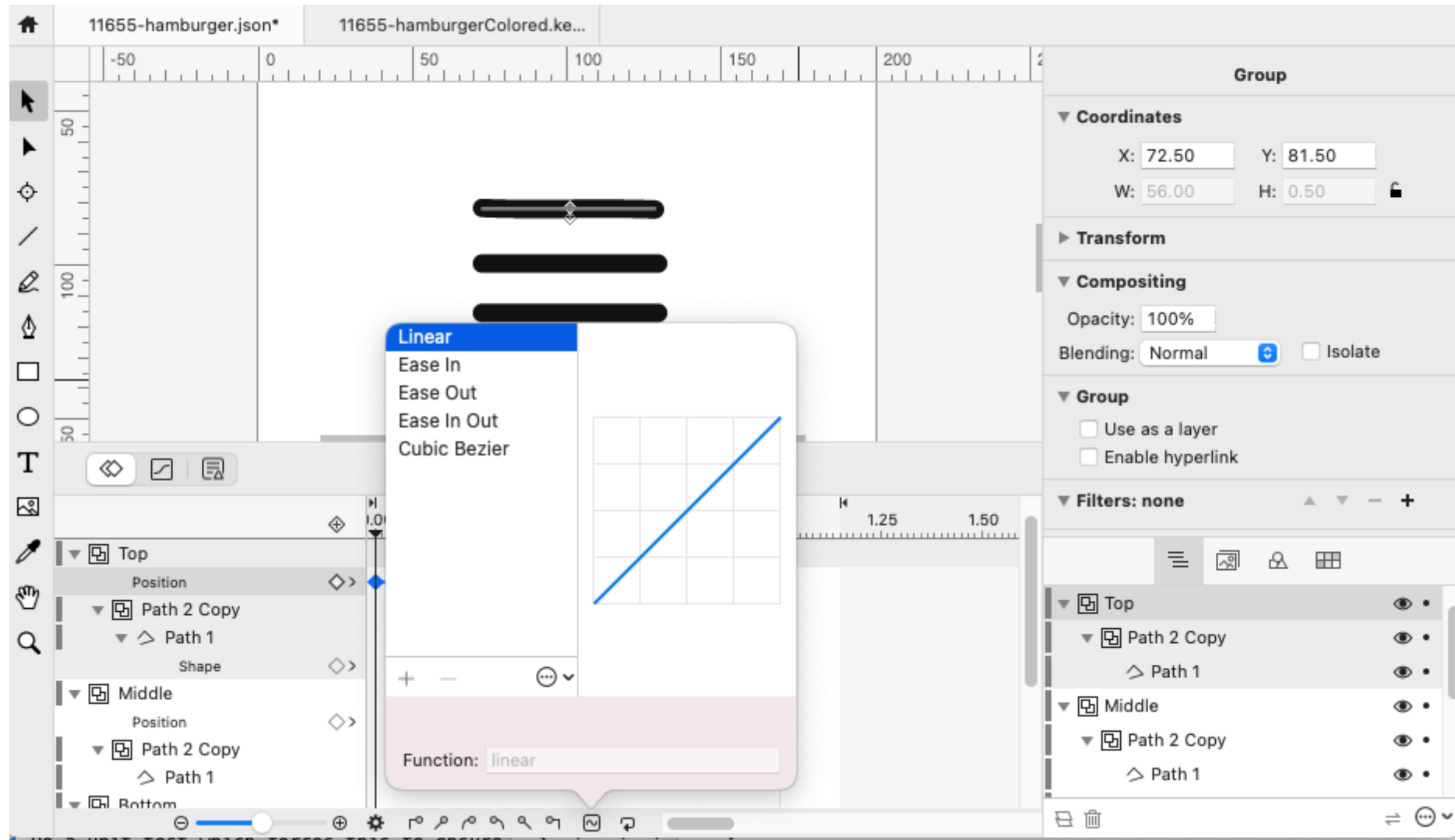
Keyshape Demo 1



Keyshape Demo 2



Keyshape Demo 3



Flow

Flow is focused on **UX** animation.

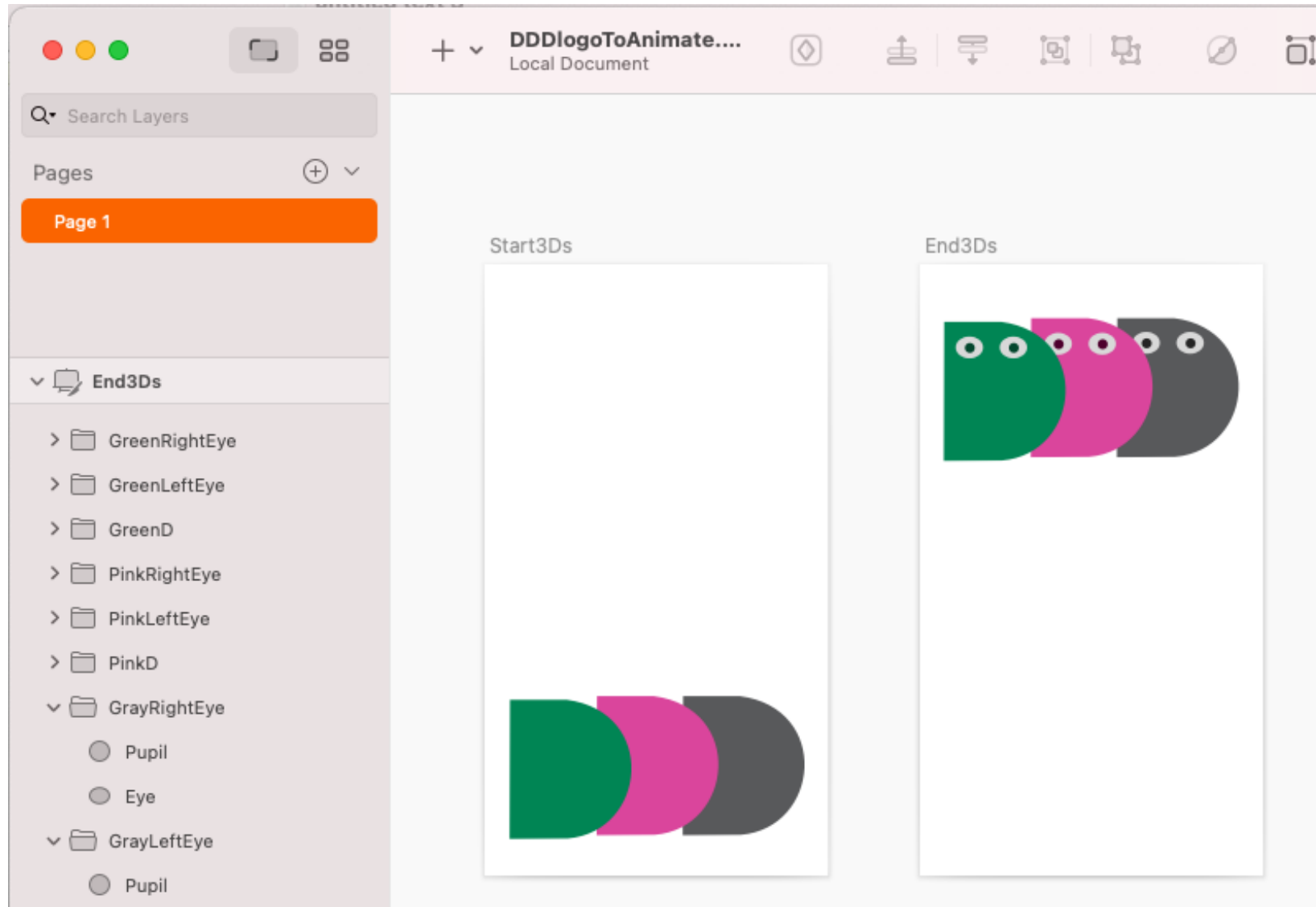
Lottie export inc native code for iOS or
Android,

HTML includes minified.

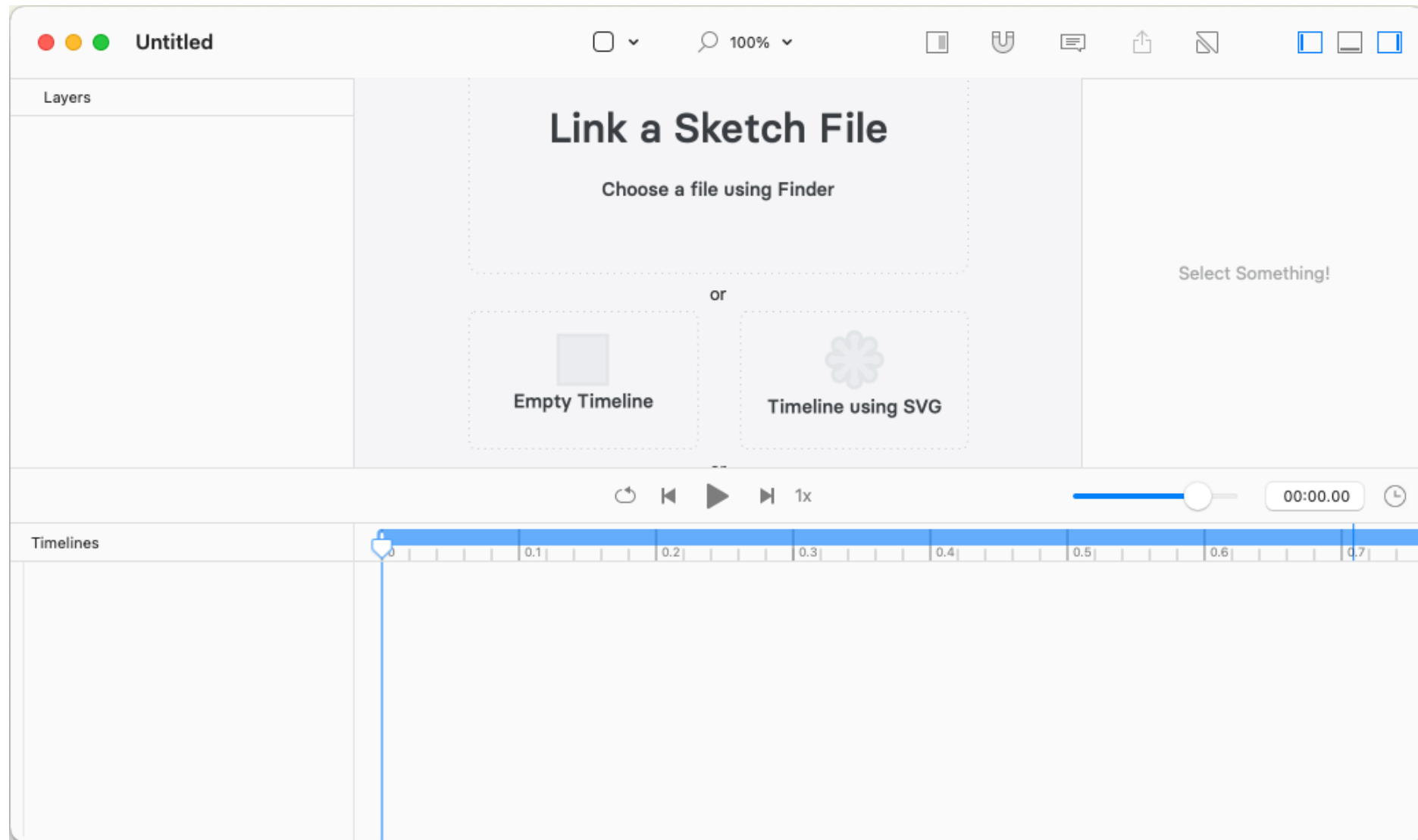


For control animations,
also get native code, bytes vs kB.

Flow Demo 1 - Start in Sketch



Flow Demo 2



Flow Demo 3



Select or drag an artboard
to get started

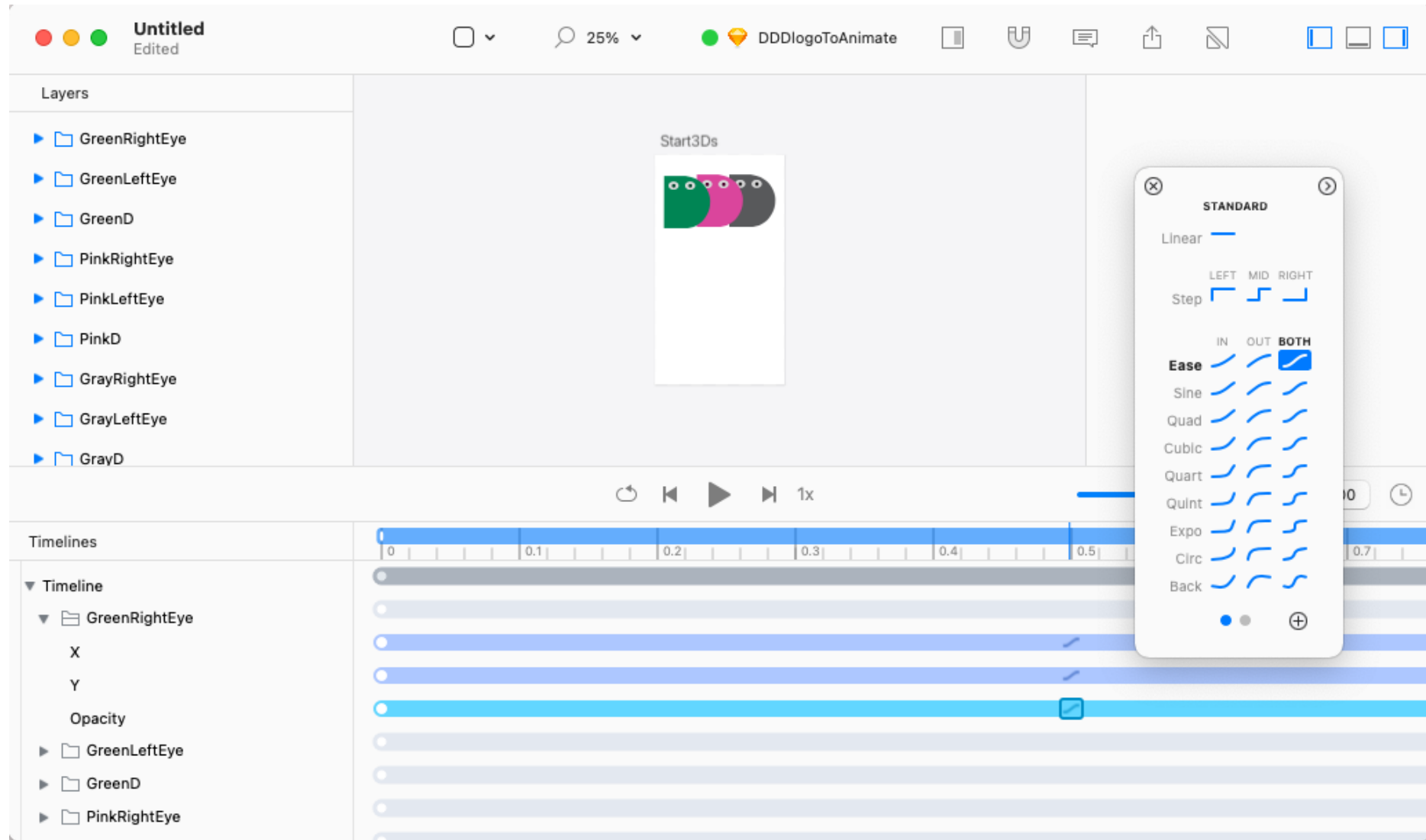


End3Ds



Start3Ds

Flow Demo 4



Further Details

github.com/AndyDentFree/DDDLottie21
for this presentation and all samples shown