## Anyone can Animate

(Even if they can't draw)

Andy Dent's

strongly-held opinions

weakly-held pencils

#### Animation as Life?

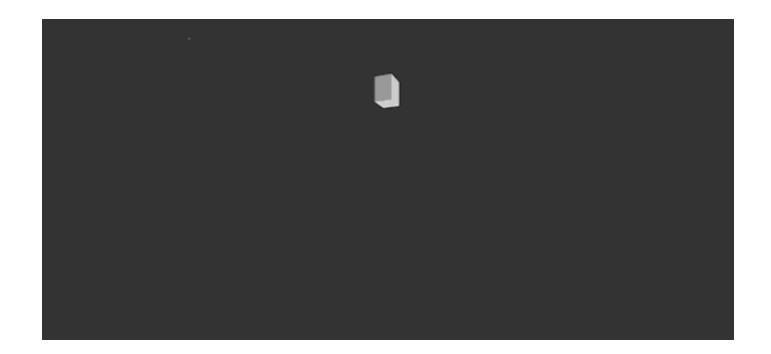
(but not as we know it)

See lots of links on my github site (also be on the last slide)

github.com/AndyDentFree/DDD19

- Val Head's book Interface Animation, videos etc
- Disney's book The Illusion of Life
- As video and gifs 8 of which follow
- Really good article illustrating them with longer clips from Disney and Pixar movies, and explanations

# Principle 1 - Squash and Stretch



# Principle 2 - Anticipation



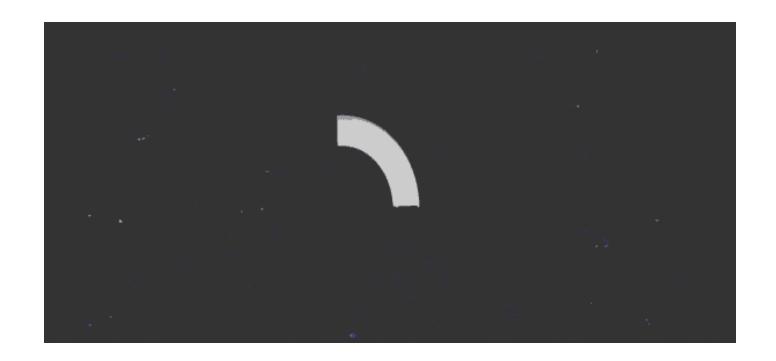
## Principle 5 - Follow Through & Overlapping



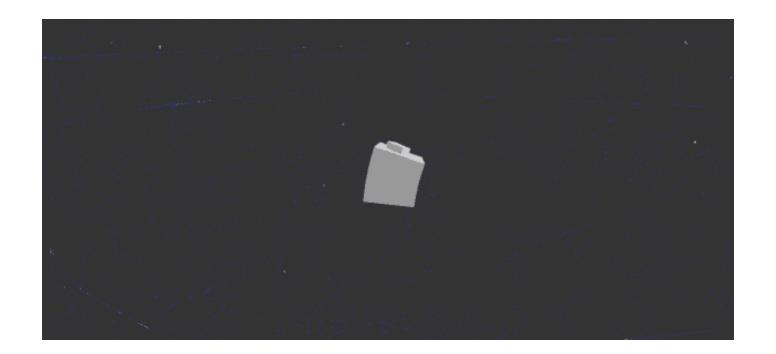
### Principle 6 - Slow In and Slow Out



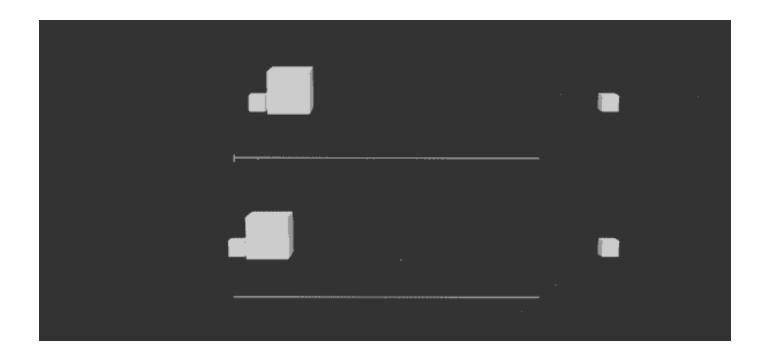
# Principle 7 - Arcs



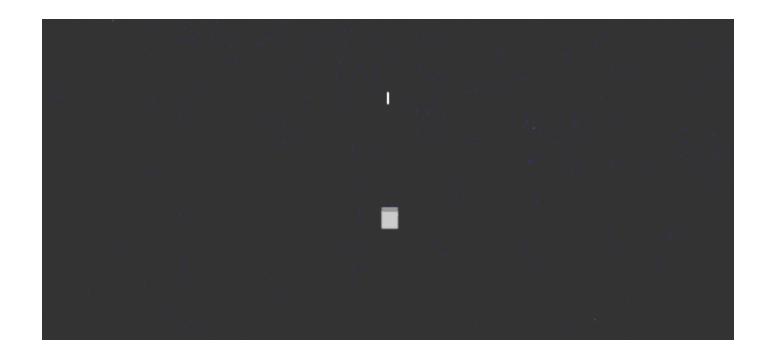
## Principle 8 - Secondary Action



# Principle 9 - Timing



# Principle 10 - Exaggeration



# Why Animate? - Designers

Amuse

Distract

Inform



# Why Animate? - Designers

Amuse

**Distract** 

Inform

# Why Animate? - Designers

Amuse

Distract

Inform



## Why Animate? - Developer's View

**D** istract

I nform

E ntertain

### Animation as a new Developer Hell

Animation's aren't the only thing that go in circles.

The designer-developer loop finds new things to design that have to be manually translated to code.

and then the loop closes

# Coming to save us (last time)



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#### New Breed of Tools

Start with Sketch or other vector prototype

Add animation

Generate working code

### Web world

SVG-based vectors

Pure CSS

GSAP Greensock JS-driven canvas

and...

#### Lottie

Simple animated vectors from Adobe After Effects via bodymovin plugin to JSON, effectively a standard

Fast native & web players by AirBnb

Other editors such as Haiku and Keyshape

As seen on the Why Animate? - Designers slide, content from lottiefiles.com

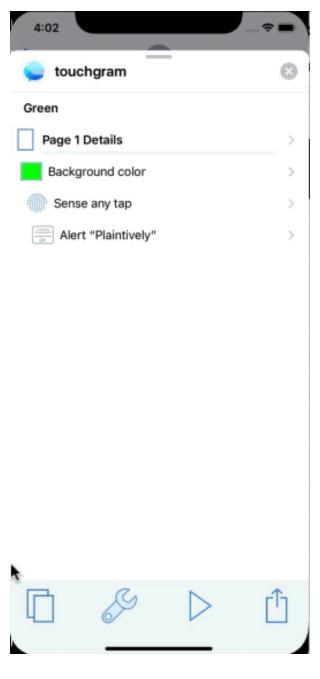
## Mostly Mobile Tools

Supernova Studio

Haiku

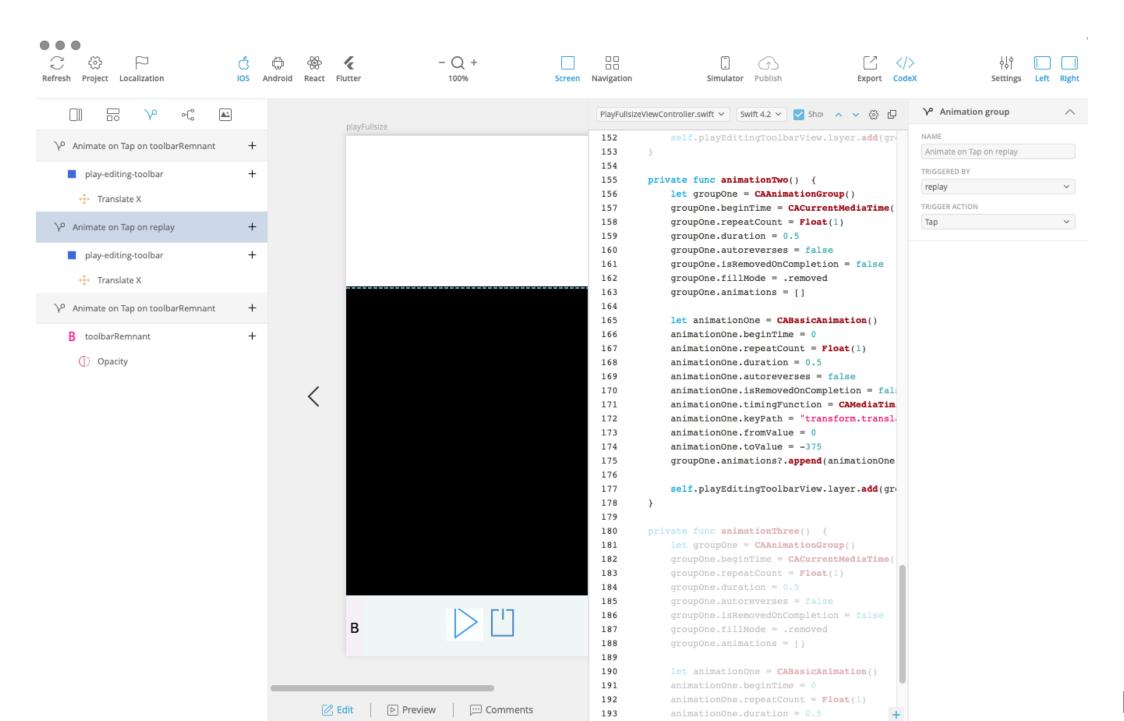
Flow

### Simple Animation Example



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### Supernova Editor



## Supernova Generated - Swift

## Supernova Generated - Kotlin

## Supernova Generated - React Native

# Supernova Intro

# Supernova Play Editing Controls

#### Further Details

github.com/AndyDentFree/DDD19

Contains this presentation and links to all tools mentioned, full samples and media to build anything shown in the movies.

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