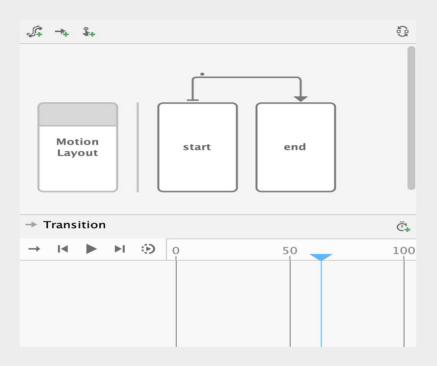


- A New Layout System in Android With Built-In Support for Animation
- Subclass of ConstraintLayout

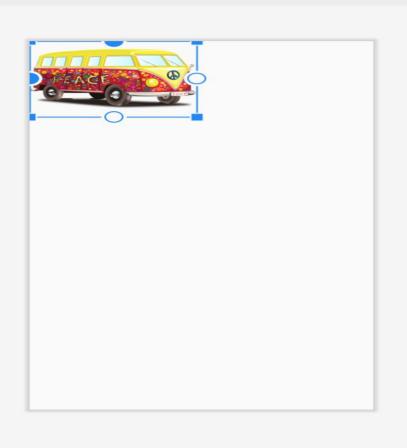
How MotionLayout Works

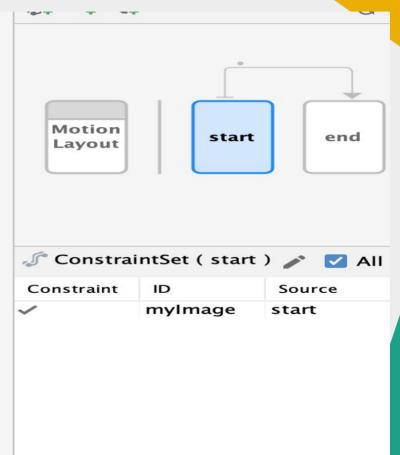
- Has separate XML file aka motion scene
- Animates changes between end points

How MotionLayout Works(2)



How MotionLayout Works(3)



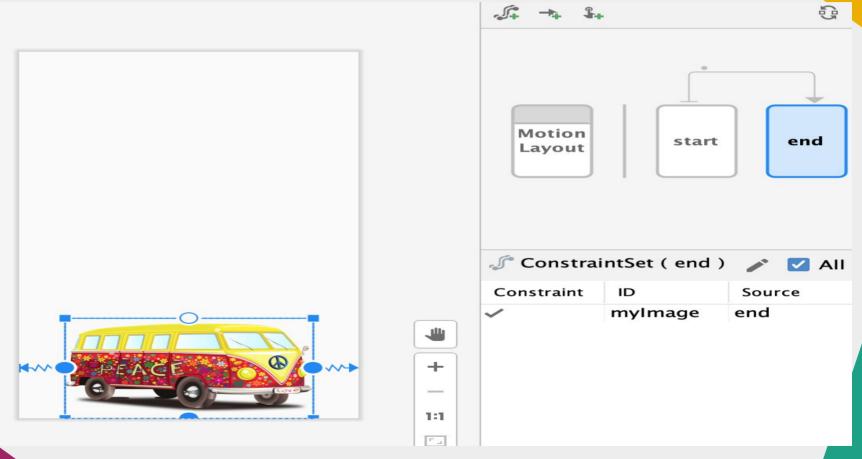


Mehdi Haghgoo

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How MotionLayout Works(4)



Mehdi Haghgoo

Keyframes

- Keyframes in MotionLayout allows fine-grained customization of motion.
- Keyframe types:
 - KeyAttribute
 - KeyPosition
 - KeyCycle
 - KeyTrigger
 - KeyTimeCycle

Advantages

- Declarative animation (all in XML)
- No coding needed
- Visual editor
- Support for keyframes (Advanced motion)

Prerequisites

• ConstraintLayout 2.0

```
dependencies {
   implementation "androidx.constraintlayout:constraintlayout:2.1.4"
}
```