

 [hossain-khan](#) / [android-constraint-layout-cheatsheet](#) Public

A demo application for Android ConstraintLayout with various usage with sample code.

[developer.android.com/reference/android/support/constraint/constraintlayout](#)

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hossain-khan Merge pull request [#119](#) from amardeshbd/version... ✓ on Jul 16, 2020 ⌚ 245

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Google Play BETA

latest release-v2.1

AS Compatibility v4.0

ConstraintLayout Demo

NOTE: See [official demo](#) project by Google for complete set of examples.

A demo application for Android ConstraintLayout with various usage with sample code.

Get the **beta** release with current snapshot!



Official Demo

Google has official demo project that contains a list of layouts that showcases the various features and usage of [ConstraintLayout](#) and [MotionLayout](#)

See <https://github.com/android/views-widgets-samples/tree/master/ConstraintLayoutExamples>


Proposed App Features

- Have a grid containing different feature set of `ConstraintLayout`
- For each feature, have different examples
- Each example should allow you to share the code snippet or copy to clipboard
- Each example may also contain additional resource links to blog or technical articles
- Example may have set of sliders/toggle to change metrics dynamically to visualize.

See [contribution](#) guideline if you want to add demos or fix something.

ConstraintLayout features to cover

TIP: Jump to [layout resources](#) directoy to see existing layouts.

- ☐ Relative positioning
 - ☐ Horizontal Axis: left, right, start and end sides
 - ☐ Vertical Axis: top, bottom sides and text baseline
- ☐ Margins
- ☒ Centering positioning and bias
- ☒ Circular positioning *(Added in 1.1)*
- ☒ Visibility behavior
- ☐ Dimension constraints
 - ☒ Ratio
 - ☒ Percent dimension
 - ☒ Min and Max
 - ☐ `MATCH_CONSTRAINT` dimensions *(Added in 1.1)*
 - ☐ `WRAP_CONTENT` : enforcing constraints *(Added in 1.1)*
 - ☐ Widgets dimension constraints
- ☐ Chains
 - ☒ Chain Style
 - ☒ Weighted chains
 - ☐ Margins and chains *(Added in 1.1)*
- ☒ Virtual Helpers objects 
 - ☒ Guideline
 - ☒ Barrier

- ☒ Group
- ☐ Optimizer (*Added in 1.1*)
- ☒ Fully functional demo screens 🦋
 - ☒ Movie Details Screen
 - ☒ TED Talk Preview Screen
 - ☒ Secure PIN Entry Screen

Objective

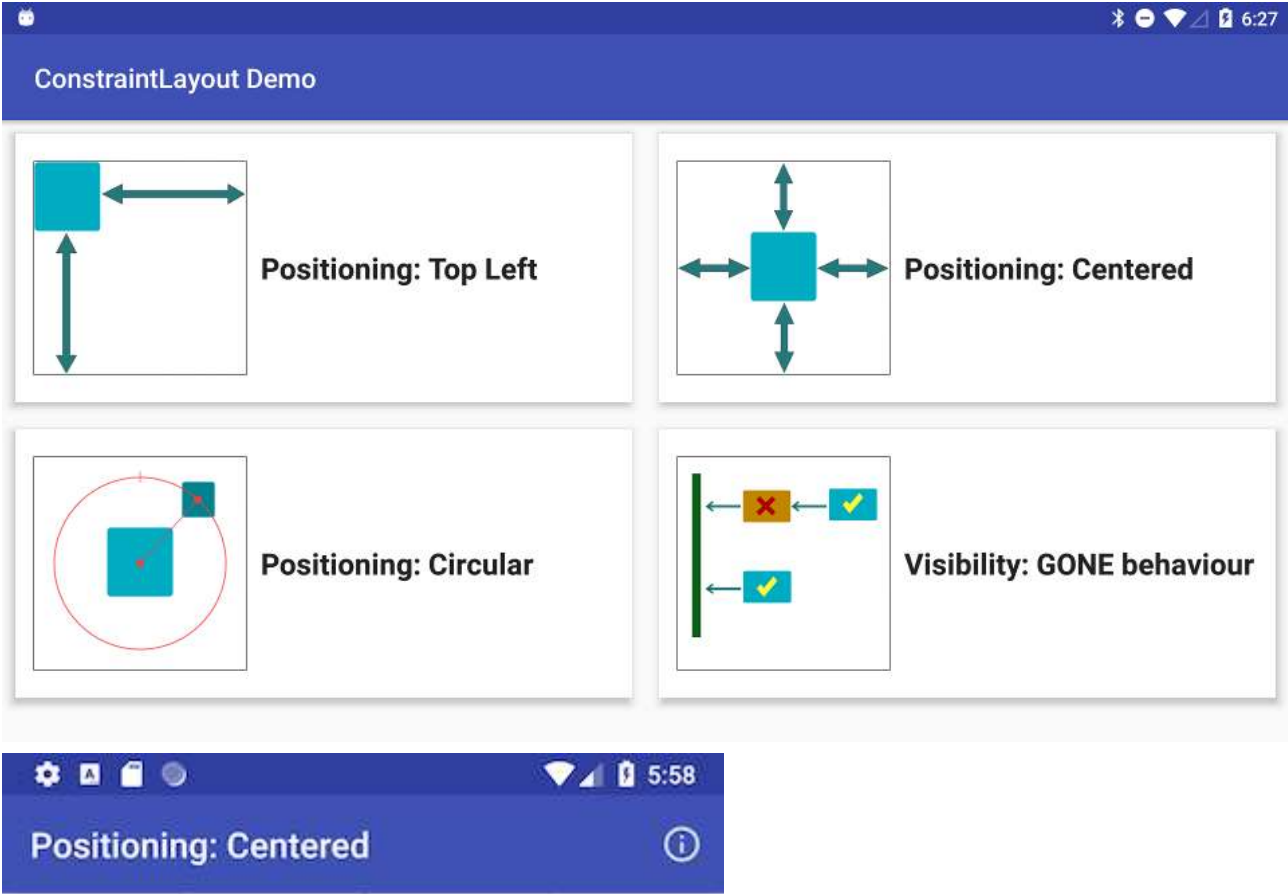
These are the **my** objectives for this demo application.

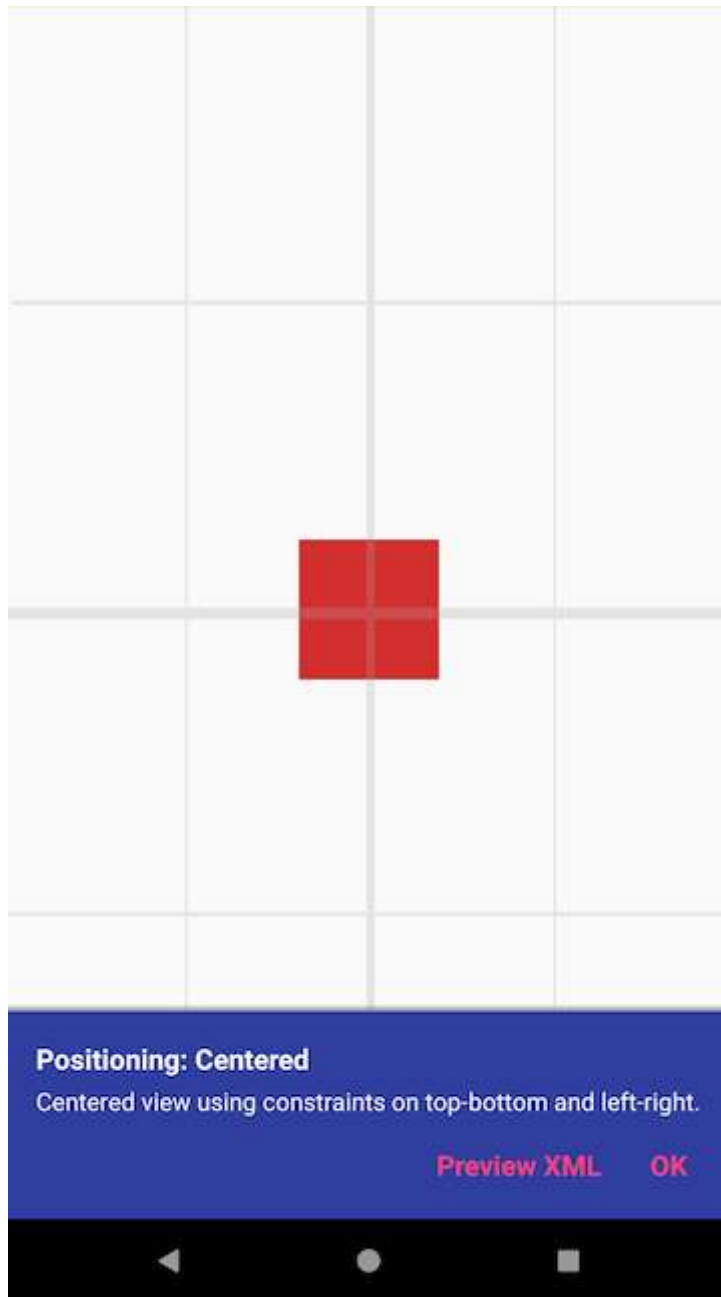
- To explore all the features of constraint layout
- Learn and use material design component in the sample app
- Learn and use the new architecture components in the sample app
- Learn and use proper architecture for the app - likely MVVM
- Document everything well so that future external contribution is easier

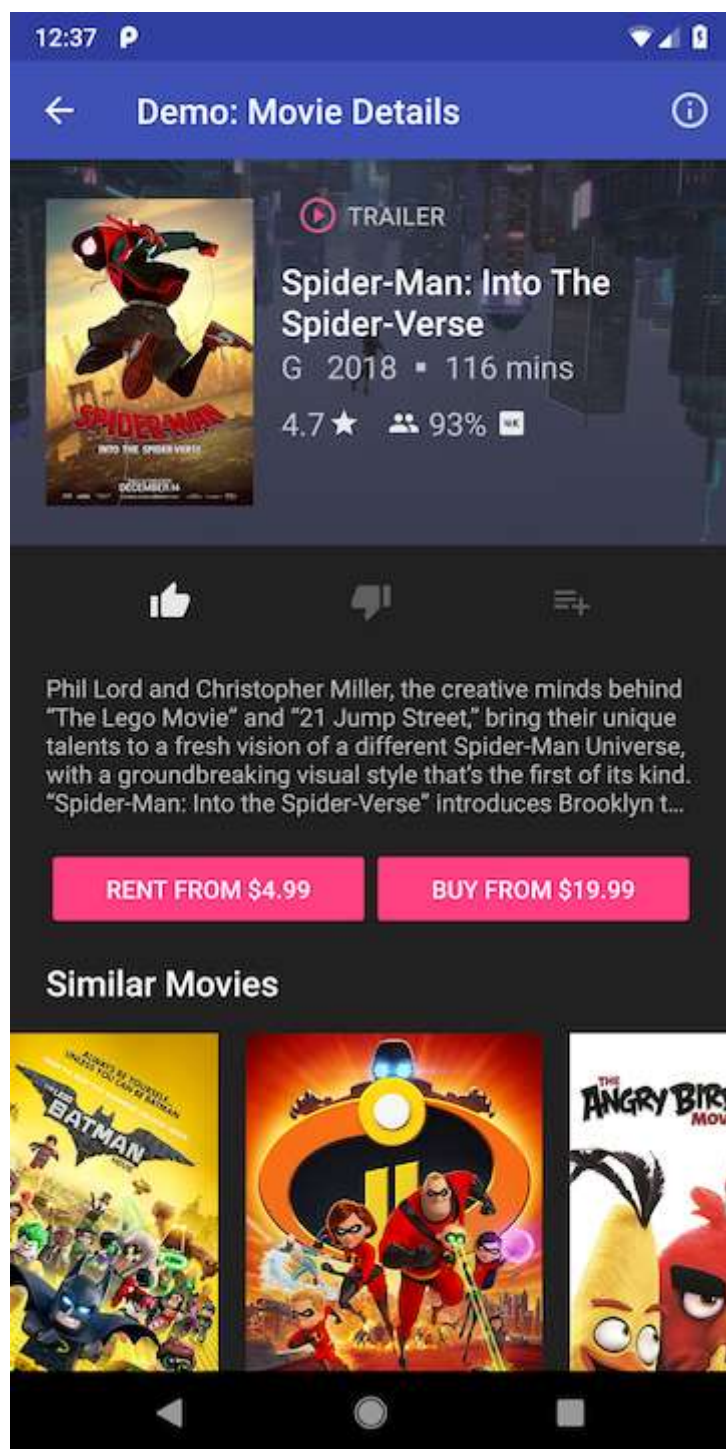
— .

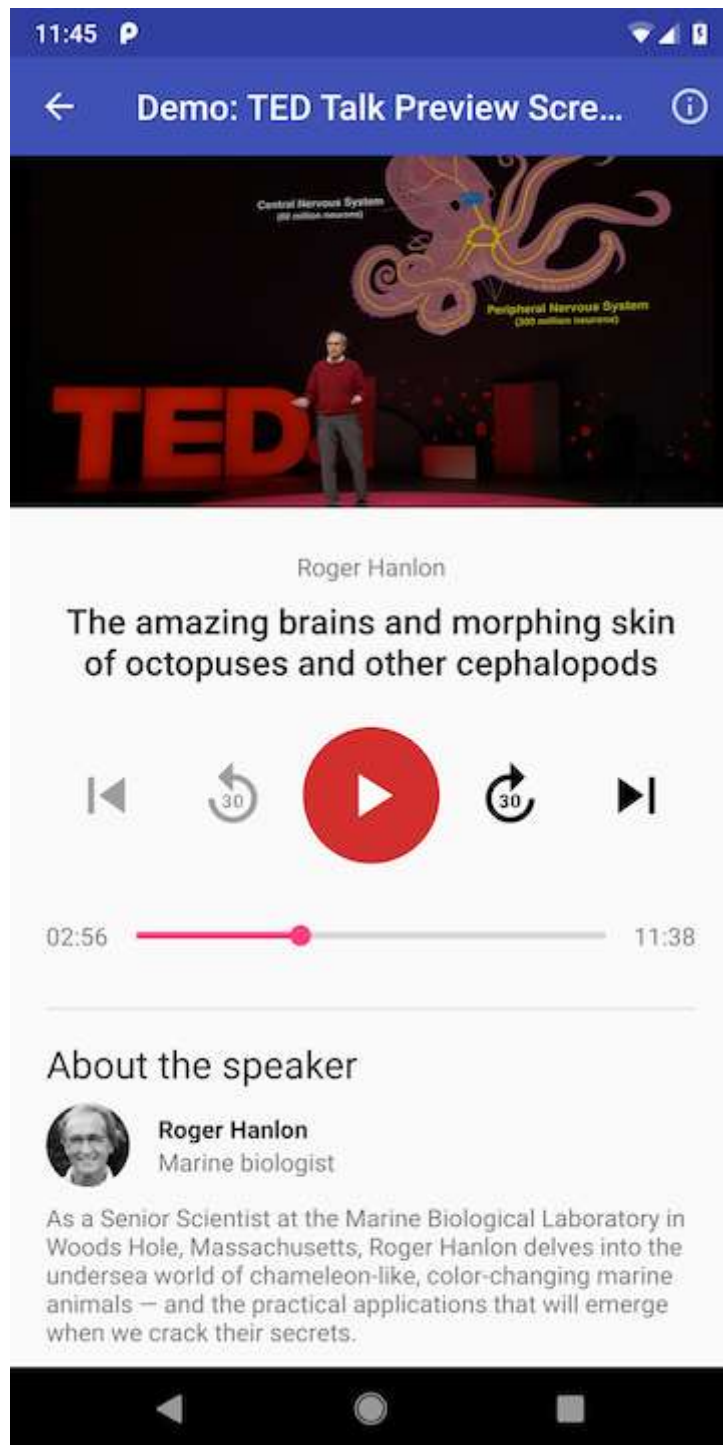
☰ README.md

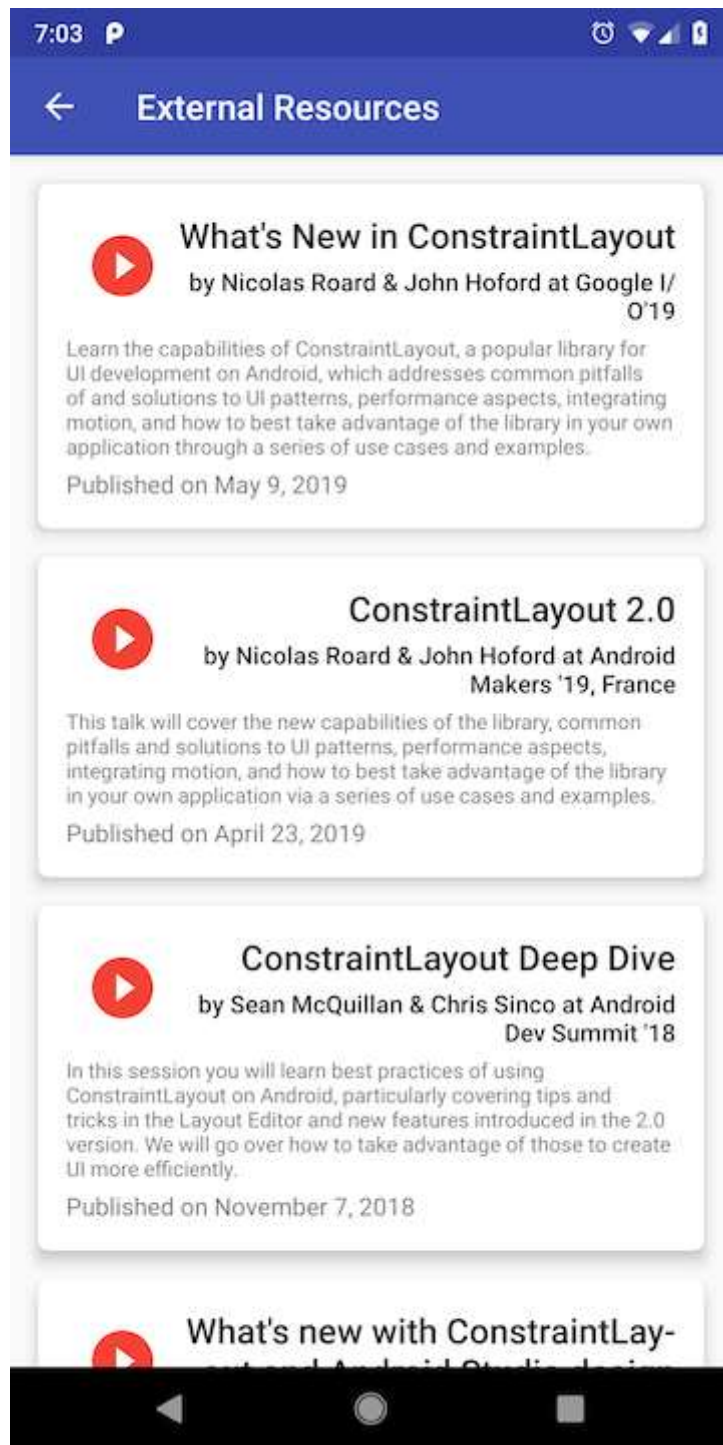
Here is a snapshot of current progress (*This will be updated from time to time*).



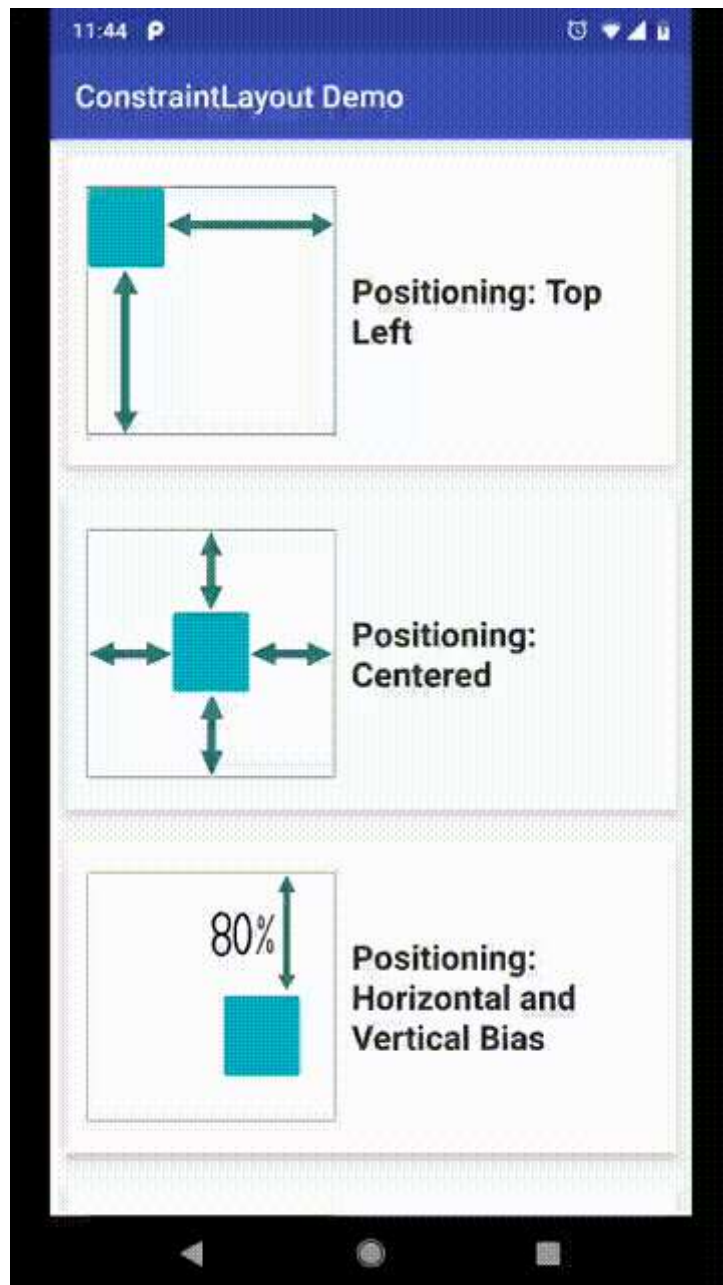








Screencast



Releases 11

 **v2.1** Latest

on Jun 23, 2019

[+ 10 releases](#)

Packages

No packages published

Languages

Languages

● Kotlin 100.0%