



Compass - Android Layout Guide

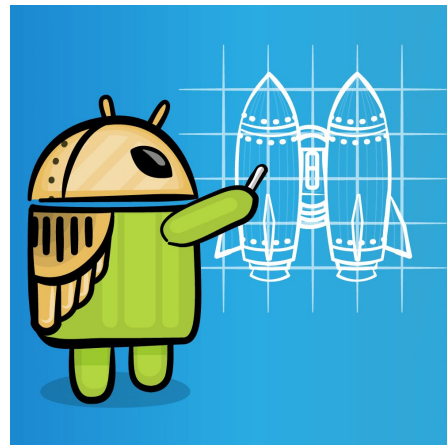
Lucas and Jean

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Layouts are a key part of Android applications.

They directly affect the user experience, in terms of:

- Performance
- Providing a sense of exaltation through a beautifully crafted UX/UI



Goals

The Nimble's Compass guide acts as a repository of methodologies, standards, and best practices.

The Android Layout guide, is a standard and consistent approach to UI development, necessary for developing quality Android apps

- Help new team members onboarding
- Reduce code reviewing issues; improves communication



After careful research and discussion, we agreed to split the guide in terms of:

- Basic rules
- Best practices

Those two headlines cover the aspects of the common Android Layout issues.

Achievement and Progress - Demo

compass

Introduction ▾

Our Company ▾

Our Team ▾

Design ▾

Product Management ▾

Development ▴

Version Control

Code Reviews

Code Conventions

HTML

CSS

JavaScript

React JS

Ruby

iOS

Android

Android Layout 🤖



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Basic rules


View binding

Method	Elegance	Compile Time Safety	Build Speed Impact
findViewById	✗	✗	✓

Conclusion

- A pull request is ready for review:
<https://github.com/nimblehq/compass/pull/190>
- Researched individually but wrote the Guide at the same time (literally)
- Worked in an interesting and satisfying “pair programming” style ⇒ Resulted in a better quality standard

- Continue to improve the guide
- Complex UI components generated through IDE templates, e.g.
 - Horizontal RecyclerView acting as ViewPager
 - Activity controlling pages of Fragments
- Add more common UIs into **android-templates**



“An optimised UI will improve
quality and performance of
the apps”

Thanks!

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