Android Constraint and Grid Layouts

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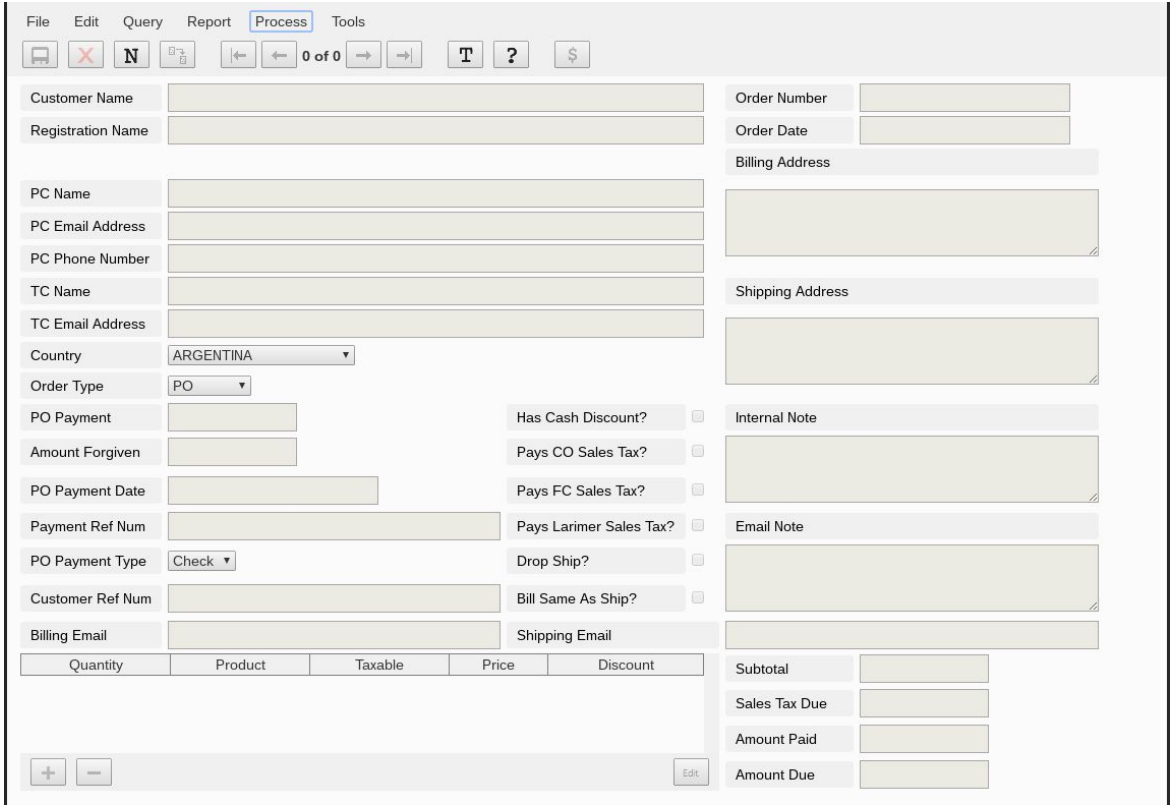
The Problem: New device types add UI complexity



Linear Layout (HBox, VBox)
Relative Layout
Table Layout (older, weaker)
Grid Layout
Constraint Layout

Keyboard and Mouse support now essential.

Don’t forget to set Tab Order. (android:nextFocusDown, Up, Left, Right)

DEMO

When NOT to use Constraint Layout

DEMO

If you have a Grid, use Grid Layout

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If you have a Grid, use Grid Layout

DEMO

Using Constraint Layout

Resources - https://goo.gl/TxAk3K (this slide deck)

Google's Constraint Layout tutorial

Comparison of Google's Constraint Layout with Apple's AutoLayout

Brief Google tutorial on GridLayout

`https://goo.gl/TxAk3K` (this slide deck) ----->