Android XML Full Cheat Sheet

1. Layouts

- LinearLayout: Aligns children in a single direction (vertical/horizontal).

- RelativeLayout: Position views relative to each other or the parent.

- ConstraintLayout: Advanced, flexible positioning with constraints.

- FrameLayout: Stacks views on top of each other.

- ScrollView: Enables scrolling content.

- GridLayout: Arranges children in a grid.

Common attributes:

- android:layout_width / layout_height (match_parent, wrap_content, dp)

- android:orientation (for LinearLayout)

- android:layout_margin, android:layout_padding

2. Views & Widgets

- TextView: Displays text.

- EditText: Input field.

- Button: Clickable button.

- ImageView: Displays image.

- CheckBox, RadioButton: Selection controls.

- Spinner: Drop-down menu.

- ListView / RecyclerView: Lists of items.

Common attributes:

- android:text

- android:textColor

- android:textSize

- android:hint (EditText)

3. Styling and Text Formatting

- android:textColor="#FFFFFF"

- android:textSize="18sp"

- android:textStyle="bold|italic"

- android:typeface="monospace|sans|serif"

- android:shadowColor, android:shadowDx, android:shadowDy, android:shadowRadius

- android:background="@color/colorPrimary"

- android:fontFamily="sans-serif-condensed"

For custom fonts:

1. Place .ttf/.otf font in res/font/

2. Use: android:fontFamily="@font/custom_font"

4. Positioning (ConstraintLayout)

- app:layout_constraintTop_toTopOf="parent"

- app:layout_constraintStart_toStartOf="parent"

- app:layout_constraintEnd_toEndOf="parent"

- app:layout_constraintBottom_toBottomOf="parent"

- app:layout_constraintHorizontal_bias="0.5"

Use margins and padding for spacing.

5. Other Useful Attributes

- android:id="@+id/myView"

- android:visibility="visible|invisible|gone"

- android:enabled="true|false"

- android:clickable="true"

- android:layout_gravity="center"

- android:gravity="center"

Tools namespace:

- tools:text="Preview text in editor only"