

Advanced Touch Input

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I. Chapter objectives

- Have basic understandings about advanced touch input and apply into weather app, focusing on moving/ resizing a view.

II. Moving/Resizing a View

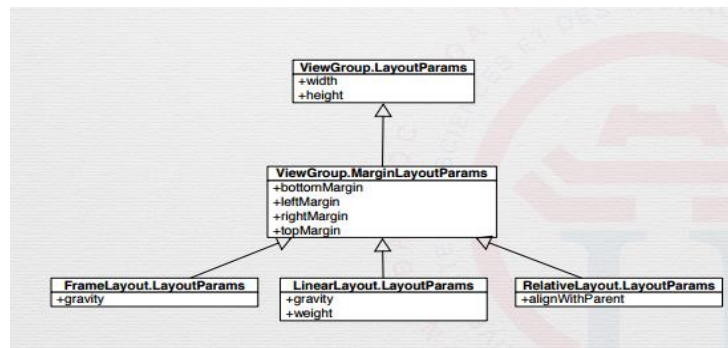
1. Definition:

- ✓ To move and resize view at **runtime**
- ✓ Based on user interaction to modify interface
- ✓ Interactive view

2. How

i. Description:

- ✓ LayoutParams:
 - Description: Layout Parameters having different type for each parent view group
 - Example:



ii. Example:

```
// Get its LayoutParam with the type from its parent
LinearLayout.LayoutParams lp =
    (LinearLayout.LayoutParams) child.getLayoutParams();

// Modify position and/or size from the acquired LayoutParams
lp.width /= 2;
lp.height /= 2;

// Set the LayoutParams back to the View (not the parent)
child.setLayoutParams(lp);
```

