

Chapter 8 – Advanced Touch Input

[Group 7]

Chapter Objective

- Have basic understandings about advanced touch input
- Apply to USTH weather app

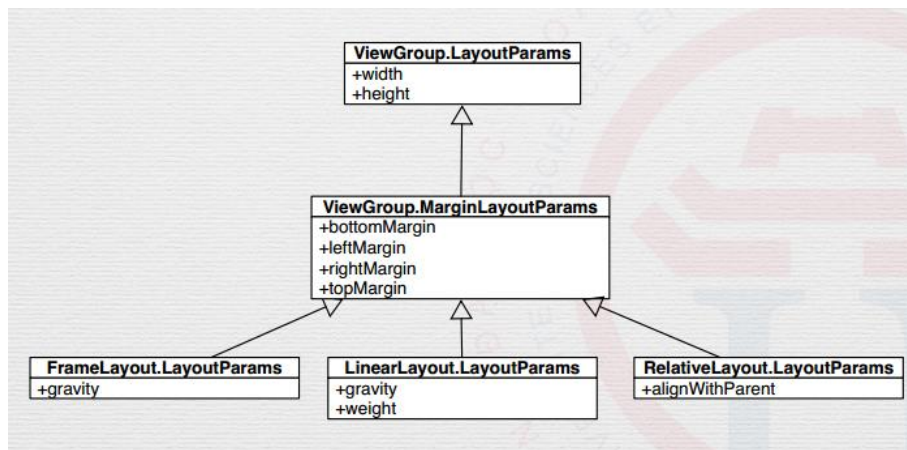
Moving/Resize a View

• Definition:

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

• How?

- Layout Params: having different type for each parent view group.



- Type: parent layout params:

- RelativeLayout.LayoutParams
- LinearLayout.LayoutParams
- RelativeLayout.LayoutParams

- Get layout param of the child with the type from parent. 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);
```