Mobile Programming

Android Programming
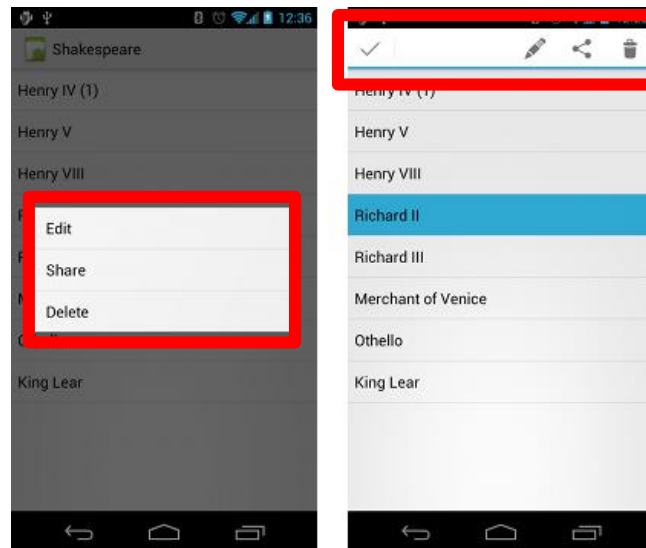
Chap 5. Widget & Event

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Let's try to make Contextual Menu

- A contextual menu is
  - a subtype of Menu
  - associated with a view on an activity
  - displayed when a long-click is performed on an item (view) (hold it for a few seconds → displayed)

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Context Menu (Floating Context Menu)

onCreateContextMenu(...)

- When the registered view receives a long-click event, the system calls this method

onContextItemSelected()

- When the user selects a menu item, the system calls this method

registerForContextMenu(...)
or view.setOnCreateContextMenuListener(this);

- Register the View to which the context menu should be associated
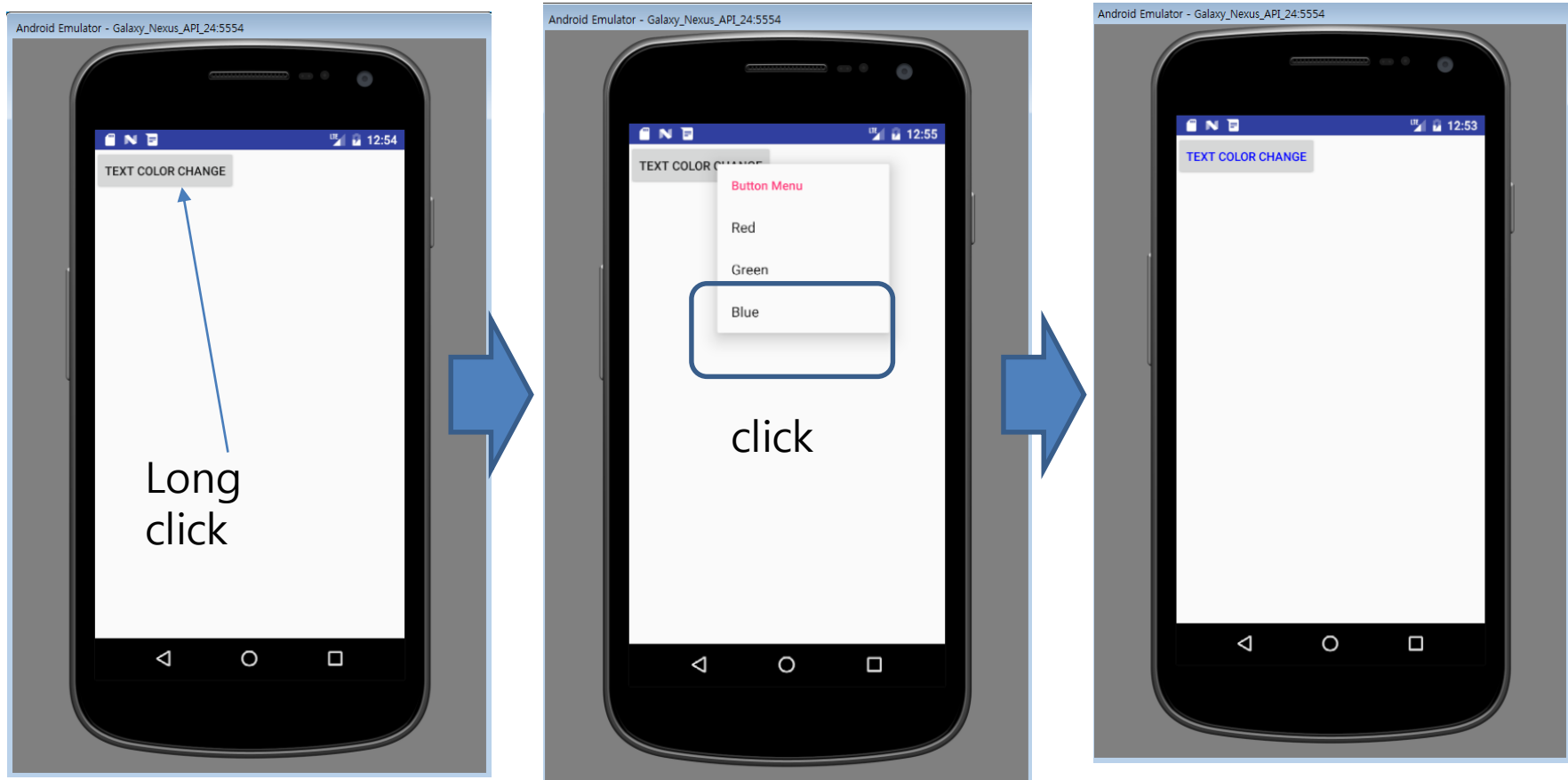
Changing menu items w/ Menu Object

- add() method of the Menu object
  - To add a menu item to the menu, you create an instance of the MenuItem class and use the add() method of the Menu object.
- Example

```
MenuItem menu1 = menu.add(0, 0, 0, "Item 1");
menu1.setIcon(R.drawable.icon);
```

- The <u>four arguments</u> of the add() method
  - *groupId* : the group identifier that the menu item should be part of . Use 0 if an item is not in a group.
  - *itemId* : Unique item ID
  - *order* : the order in which the item should be displayed
  - *title* : the text to display for the menu item

LAB III – Do it yourself!!

- Making an app for having context menu, which triggers to change text color

Long click

click

LAB III – Do it yourself!!

- Make an activity_main.xml file

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >




</LinearLayout>
```

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LAB III – Do it yourself!!

- Make an MainActivity.java file

```java
public class MainActivity extends Activity {
    Button mBtn;
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);



    }

    public void onCreateContextMenu (ContextMenu menu, View v,
                                     ContextMenu.ContextMenuInfo menuInfo) {
        super.onCreateContextMenu(menu, v, menuInfo);
            menu.setHeaderTitle("Button Menu");


    }
```

Hint

- Item.getItemID() – item의 ID를 얻음
- setTextColor – text의 color를 반영함
       (예, set.TextColor(Color.GREEN);)

```java
package org.androidtown.listview.menuexample2;

import android.app.Activity;
import android.graphics.Color;
import android.os.Bundle;
import android.view.ContextMenu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
```