



ANDROID MENUS

Menus

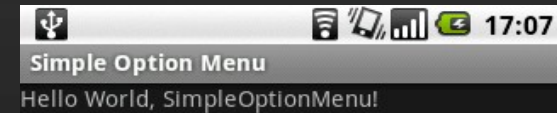


- Menus are an important part of an activity's user interface, which provide users a familiar way to perform actions.
- Android offers a simple framework for you to add standard menus to your application.
- There are three types of application menus:
 - **Options Menu**
 - **Context Menu**
 - **Submenu**

Options Menu



- The Option Menus are the primary collection of menu items for an activity, which appears when the user touches the MENU button
- Options menu is divided into 2 types:
 - Icon Menu**
 - Expanded Menu**



Text



Icon and text

Options Menus



Icon Menu

Options menu can have any number of menu options, but only the first six options are shown directly when the MENU key is clicked and this is called as **Icon Menu**.

Expanded Menu

In case there are more than six options then first five are shown directly and remaining are available when more button is clicked and is called as Expanded Menu



Methods of Option Menus

onCreateOptionsMenu()

This method of the Activity is called when the user clicks the **Menu** Key of the device.

onOptionsItemSelected()

This method of the activity is called when a particular Item/Option of the menu is clicked.

add()

Multiple *add()* methods are available. Use the one that accepts *itemId* as a parameter.

setIcon() : This is used for assigning icon with the option

Context Menus



Android provides the facility to open a menu in context with the object clicked. A Long-press on the view will bring up the registered Context menu.

registerForContextMenu()

Using this method view is registered for context menu.

onCreateContextMenu()

This method will call when we Click on(long press) registered view

onOptionsItemSelected()

This method will call when ever we select the item/option

Sub Menus



- A floating list of menu items that appears when the user touches a menu item that contains a nested menu.

`addSubMenu()`

By this method we will dynamically add a submenu to an existing Menu

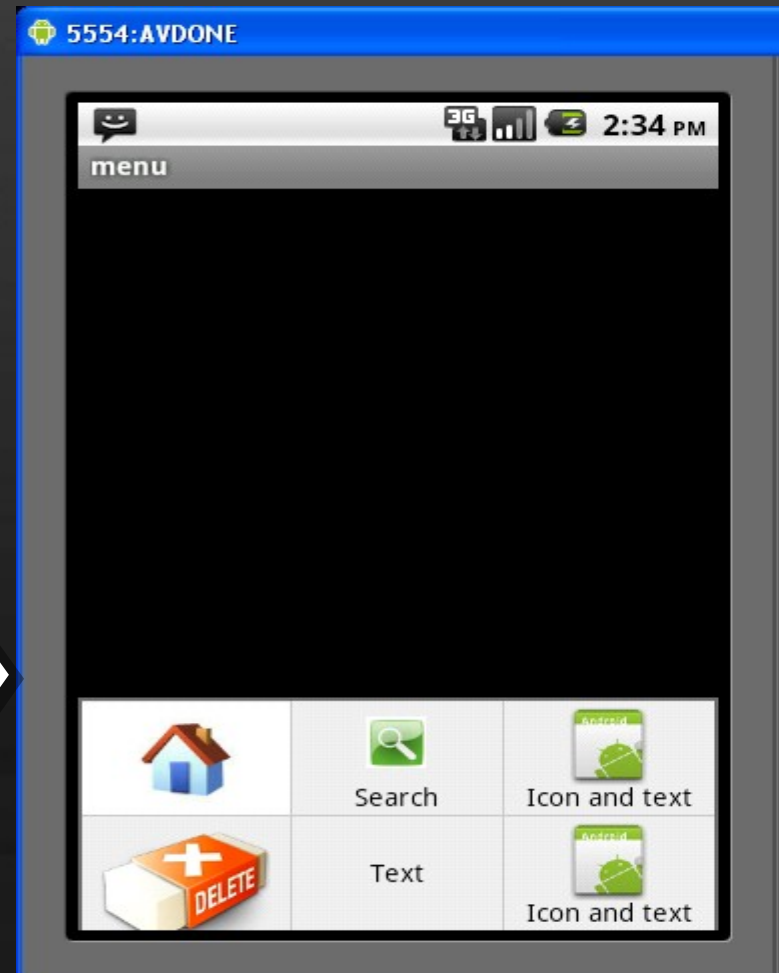
`onOptionsItemSelected()`

This method is called when a submenu item is selected.

Examples on Menus



This is the example of **android option menu**. Here if the user press the menu button the below menu items will appear on the screen, here you will find the home, search, delete and some other menus, in that menus each and every menu has different functionality.

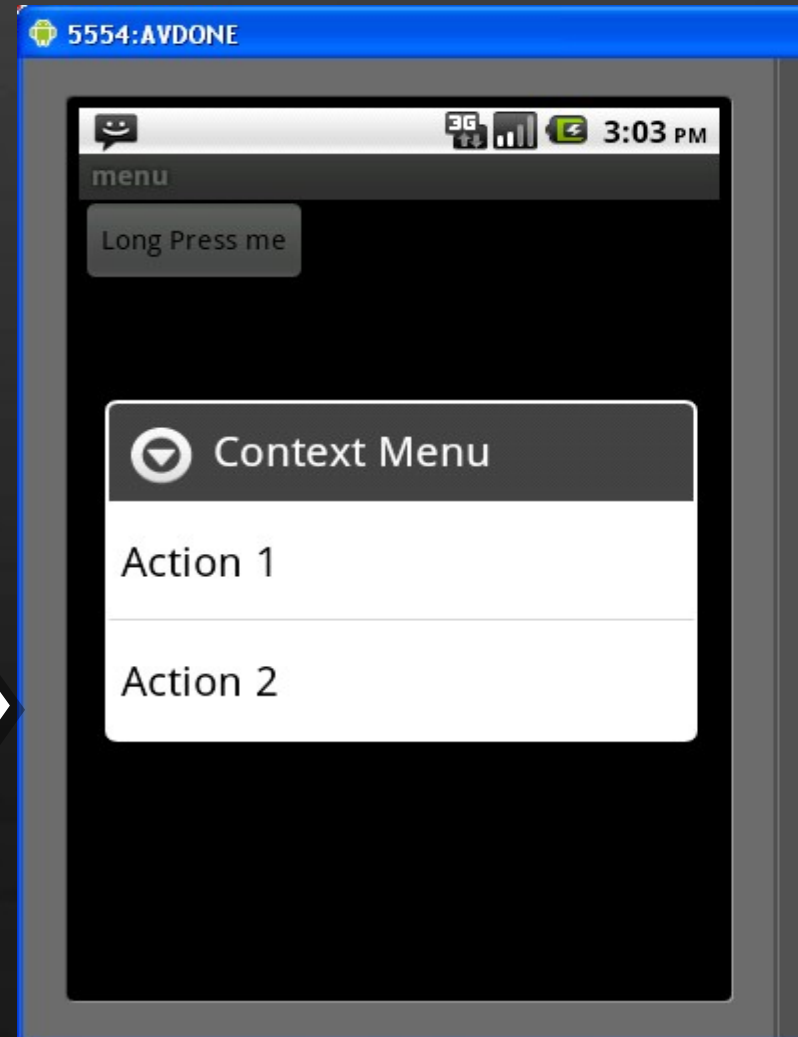


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Examples on Menus

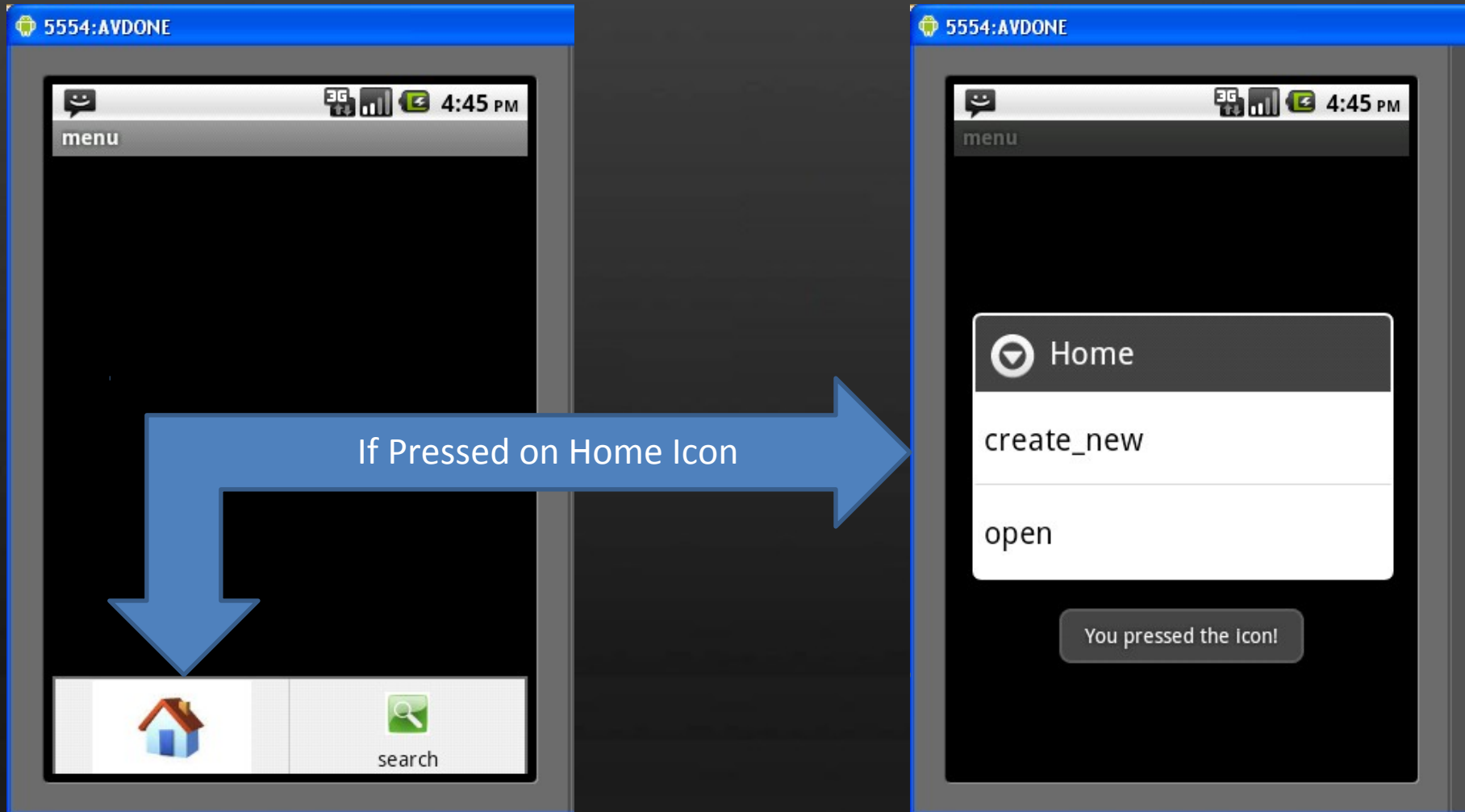


This is the example of **android context menu**. if the user do the long press on the button the context menu will open ,on the context menu bar we have 2 buttons ,each button has different functionality if you click on that



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Examples on Menus



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