

# Menus

## a. What is menu? Write its importance?

Menus are additional options displayed by clicking on the menu button on the mobile.

It displays those additional options that are not directly visible on the main UI of an application.

They are common UI components in many applications and it is used to save UI space of an Activity.

## b. What is options menu? When it is activated?

The options menu is the primary collection of menu items for an activity.

It is where you should place actions that have a global impact on the app, such as "Search," "Compose email," and "Settings."

If you are developing for android 2.3 or lower, user can reveal the options menu panel by pressing the menu button.

On android 3.0 and higher items from the options menu are presented by the action bar as a combination of onscreen buttons and overflow menus.

Step 1: we have to override the implementation of `onCreateOptionsMenu()` in the Activity class of our application.

```
public boolean onCreateOptionsMenu(android.view.Menu menu) {  
    super.onCreateOptionsMenu(menu);  
    ...  
    return true;  
}
```

Step 2: The option menu may contain submenus, icons for additional options, keyboard shortcuts etc. to handle the click event of those options we have to implement `onOptionsItemSelected()` method of an activity.

```

public boolean onOptionsItemSelected(android.view.Menu menu) {
...
return true;
}

```

### c. What is context menu? When it is activated?

It is a type of menu that is activated when user taps and holds on any view or control.

It is used to perform some additional operation or action.

Different view can have different context menu or same.

Step 1: Call `registerForContextMenu()` method and pass a view for which we want a context menu.

```
registerForContextMenu(View v);
```

step 2: then we have to override the implementation of `onCreateContextMenu()` in the activity class of our application.

`@Override`

```

public boolean onCreateContextMenu(ContextMenu menu, View v,
ContextMenuInfo menuinfo) {
super.onCreateContextMenu(menu, v, menuinfo);
...
return true;
}

```

Step 3: To handle menu click or press event We have to override the implementation of `onContextItemSelected()` method of activity.

`@Override`

```

public boolean onContextItemSelected(MenuItem item) {
super.onContextItemSelected(item);
}

```

...

}

d. What is the alternative of ActionBarActivity as it is deprecated?

Use [AppCompatActivity](#) instead