



ANDROID

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A QUICK GLANCE

1. What Is ANDROID?
2. What Are We Talking?
3. How It Is What It Is?
4. Android vs IOS
5. What YOU Can Do?
6. Next What
7. Say Hello!
8. Android Fun Facts

WHAT IS IT?

Operating System for mobile devices

WHAT ARE WE TALKING

270

Million

120

Million

4.1

Million

1.7

Million

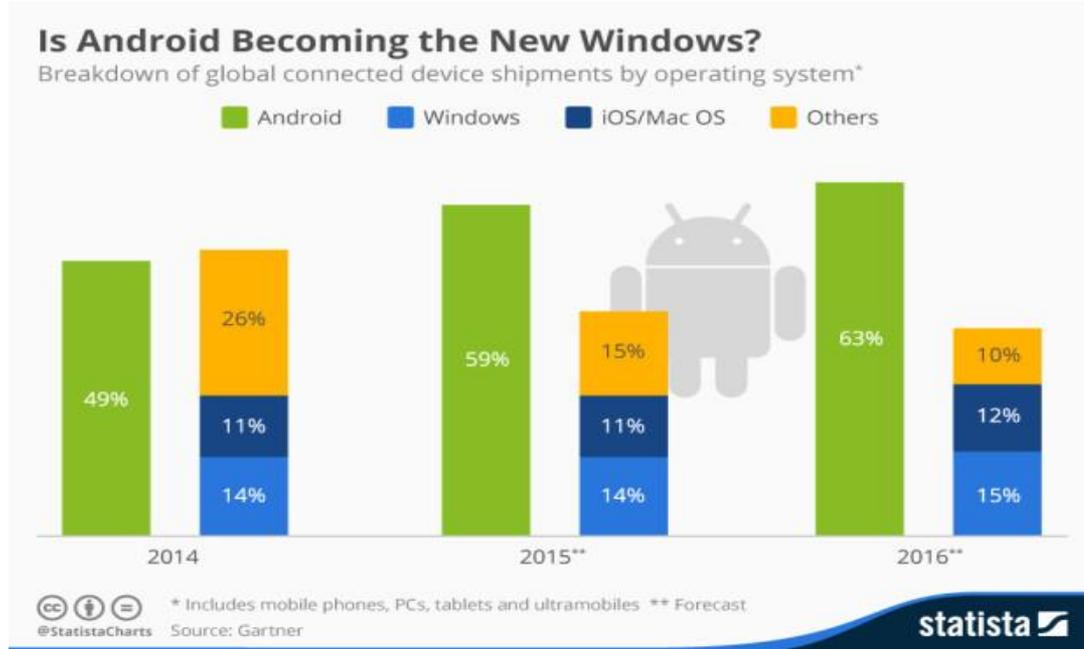
WHAT ARE WE TALKING

7 70 billion

\$ 115,000

NOW!

HOW IT IS WHAT IT IS



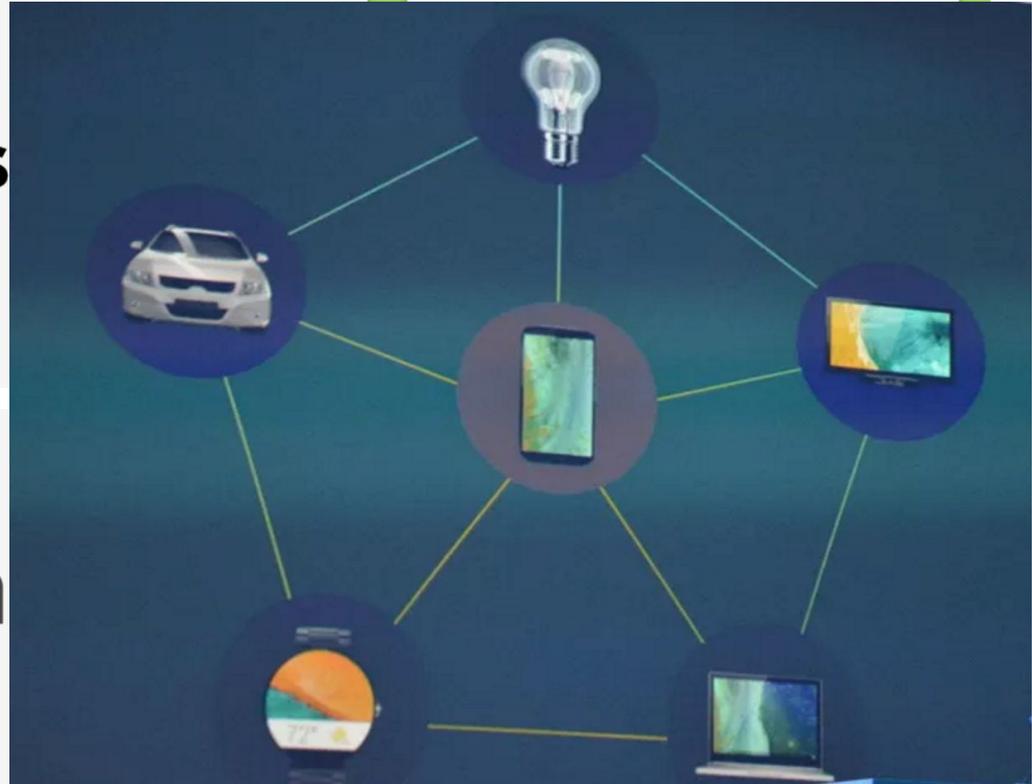
ANDROID VS IOS



WHAT YOU CAN DO



NEXT WHAT



SO WHAT IS IT?

**Android is giving power to each of you to
end the gap between imagination and reality!**

SAY HELLO

Android Studio

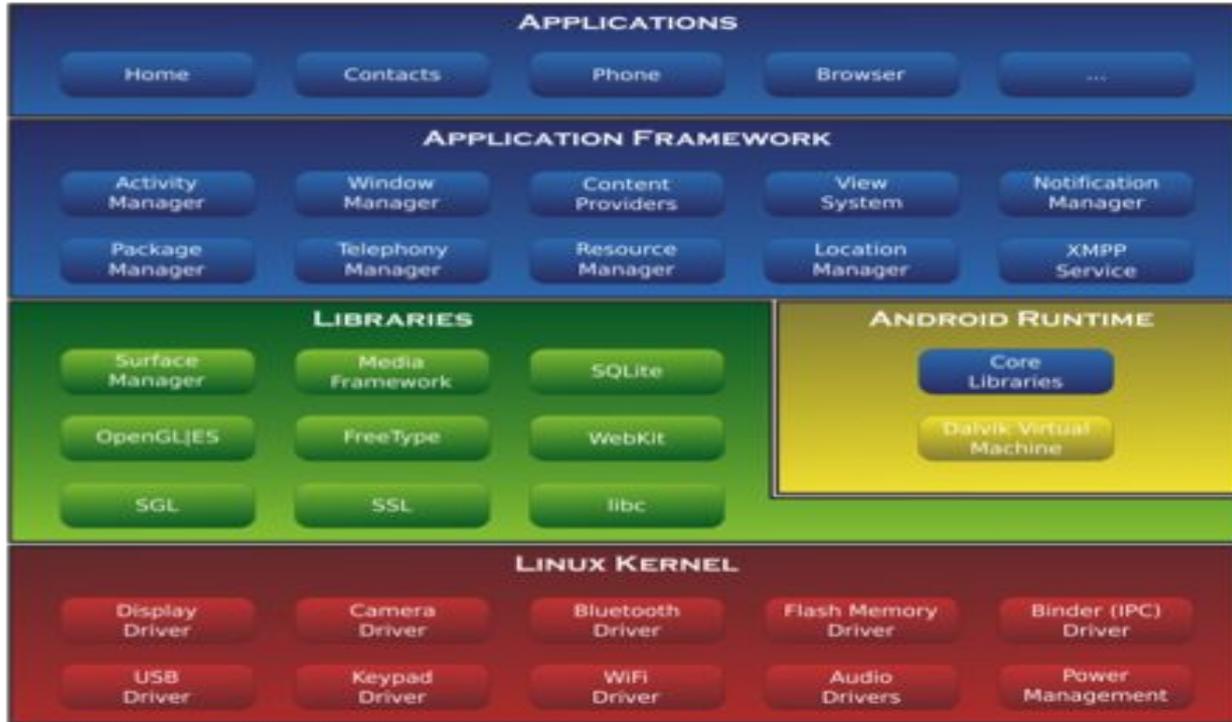
4 Easy Steps:

1. Set up
2. Drag and Drop what you want to see
3. Java code to get everything flowing
4. Build and Load on your phone

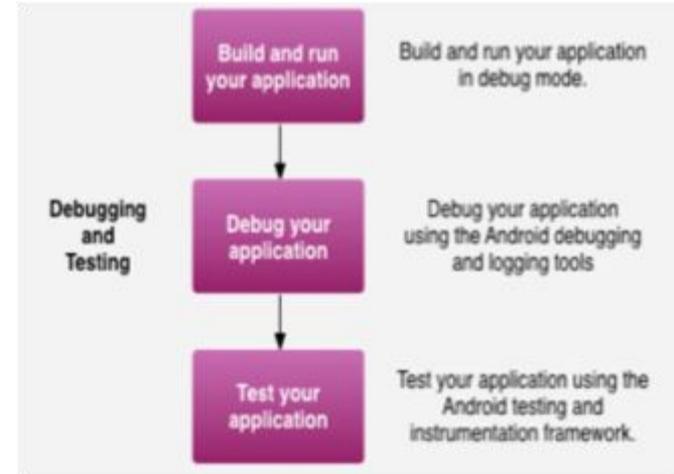
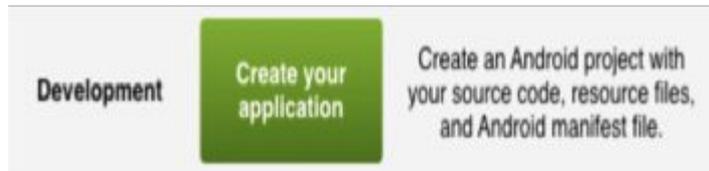
SAY HELLO : DEVELOPING ANDROID APPLICATIONS

1. Android Platform
2. Android Developer Workflow
3. Android Development Design
4. Application Component
5. Build Simple User Interface

ANDROID PLATFORM

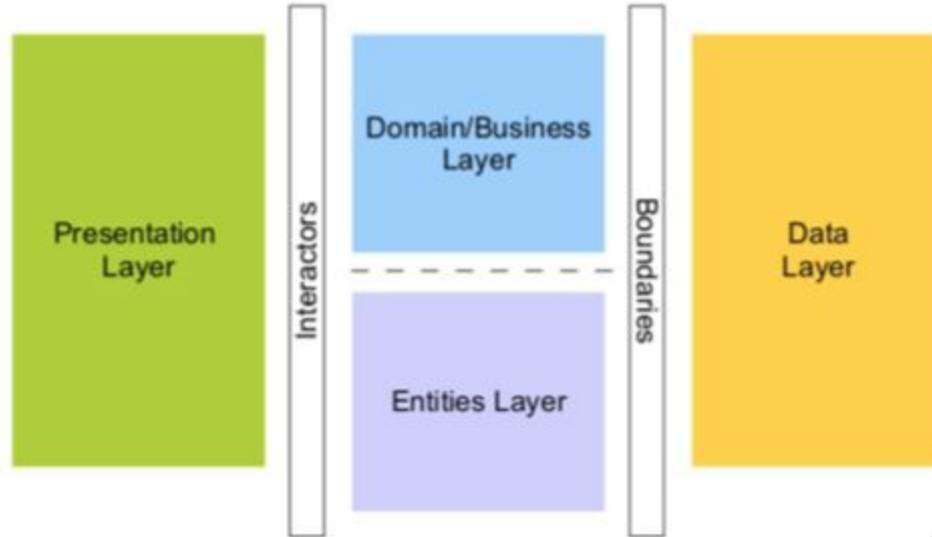


ANDROID DEVELOPER WORKFLOW



DEVELOPMENT DESIGN

App architecture – developer view

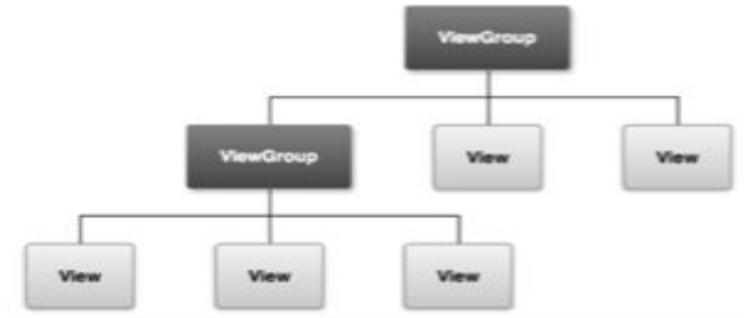


APPLICATION COMPONENTS



BUILD A SIMPLE INTERFACE: VIEW AND VIEWGROUPS

- View objects are UI widgets.
- ViewGroup objects are invisible view containers



CREATE SIMPLE UI

- Create an activity.
- Create LinearLayout.
- Add TextField.
- Add a Button.

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal" >
</LinearLayout>
```

```
<EditText android:id="@+id/edit_message"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:hint="@string/edit_message" />
```

```
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/button_send" />
```

REPOUND TO BUTTON

- Respond to send button.
- Build an intent.
- Create the second activity.
- Receive intent.

```
<Button  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="@string/button_send"  
    android:onClick="sendMessage" />
```

```
/** Called when the user clicks the Send button */  
public void sendMessage(View view) {  
    // Do something in response to button  
}
```

```
/** Called when the user clicks the Send button */  
public void sendMessage(View view) {  
    Intent intent = new Intent(this, DisplayMessageActivity.class);  
    EditText editText = (EditText) findViewById(R.id.edit_message);  
    String message = editText.getText().toString();  
    intent.putExtra(EXTRA_MESSAGE, message);  
    startActivity(intent);  
}
```

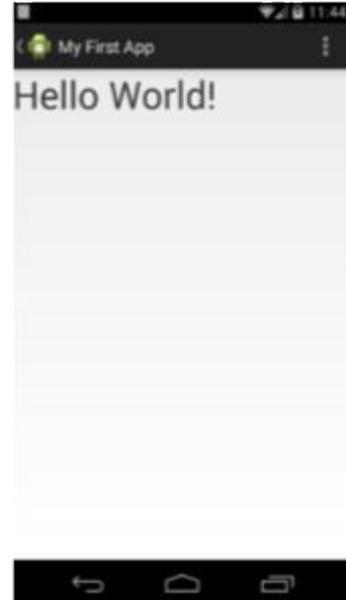
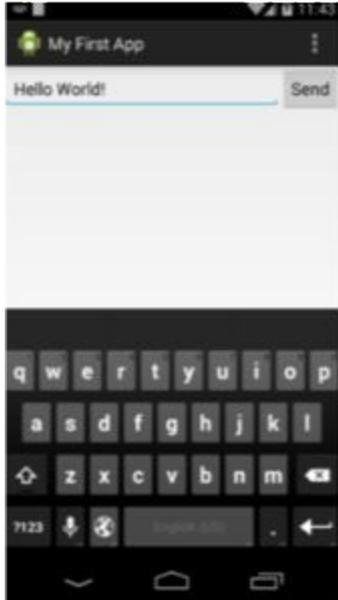
DISPLAY MESSAGE

```
// Get the message from the intent
Intent intent = getIntent();
String message = intent.getStringExtra(MyActivity.EXTRA_MESSAGE);

// Create the text view
TextView textView = new TextView(this);
textView.setTextSize(40);
textView.setText(message);

// Set the text view as the activity layout
setContentView(textView);
```

RUN YOUR APP

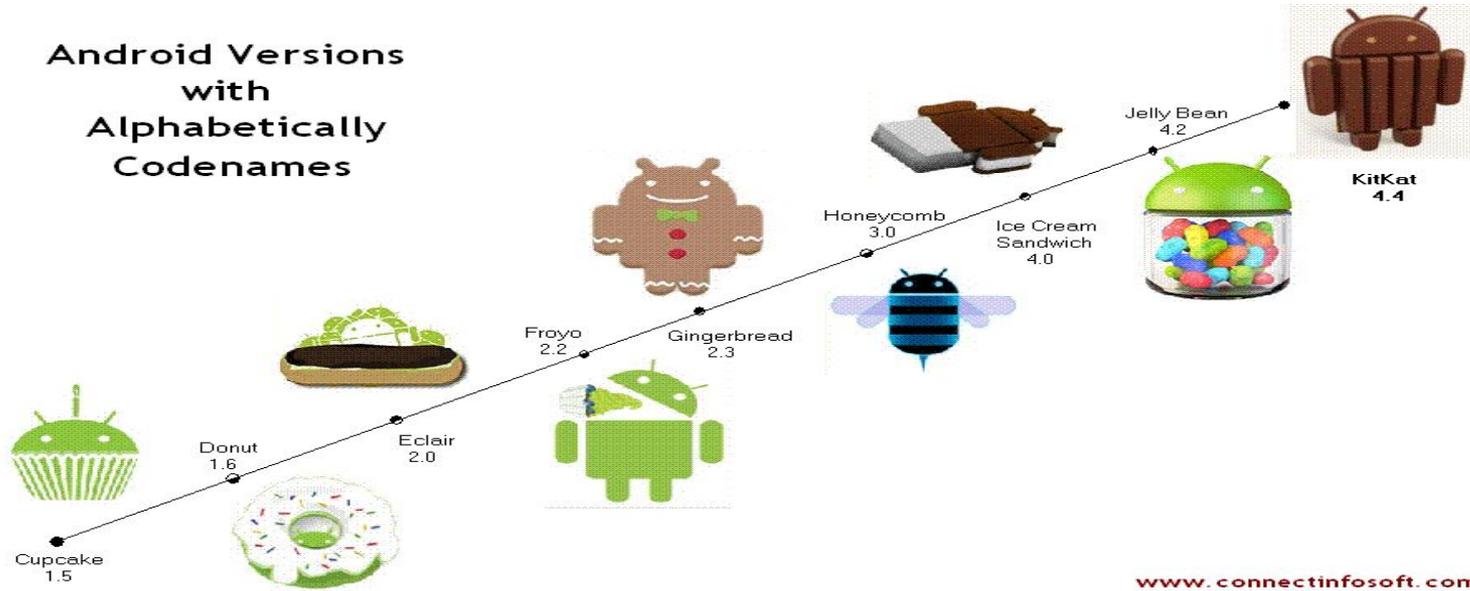


ANDROID FUN FACTS

1. Android was developed by Android.inc and later acquired by Google in 2005

2.

Android Versions with Alphabetically Codenames



ANDROID FUN FACTS

3. First Android Smart watch – Sony in 2010

4.



THE NAME'S DROID.....
BUGDROID!

THANK YOU! :)