

DESIGNING FOR ANDROID

A short introduction

HELLO!
I am **Anjan Shrestha**
I am **UX lead at YoungInnovations**

TODAY

we will be making this app ...

Contacto

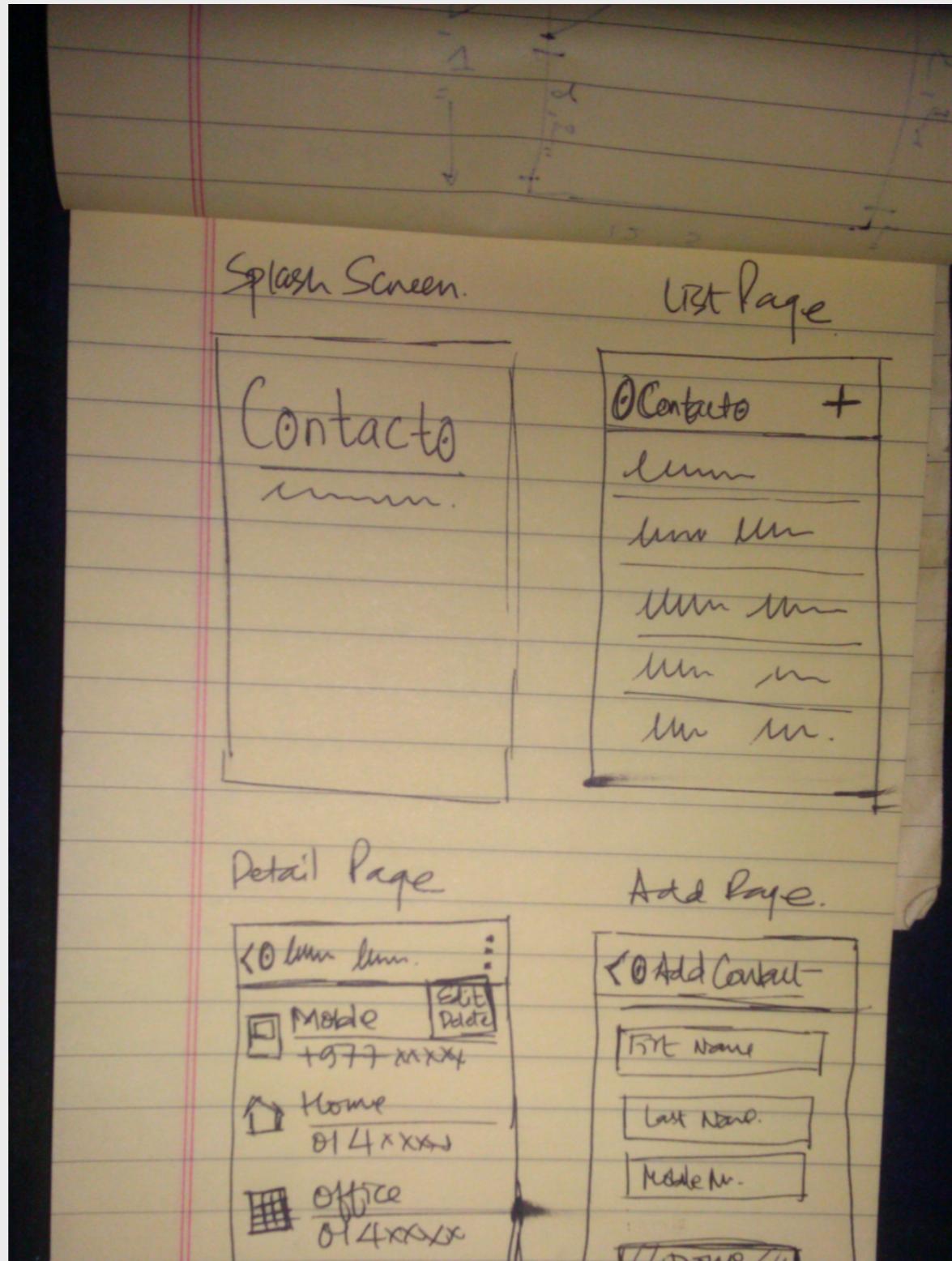
The ultimate address book

And I will be talking about
DESIGN BITS

The simple flow



THE MOCKUPS



MOCKUPS ARE FOLLOWED BY
UI DESIGNS

BUT WAIT!

Before you move on

TERMINOLOGIES

You should know



RESOLUTION

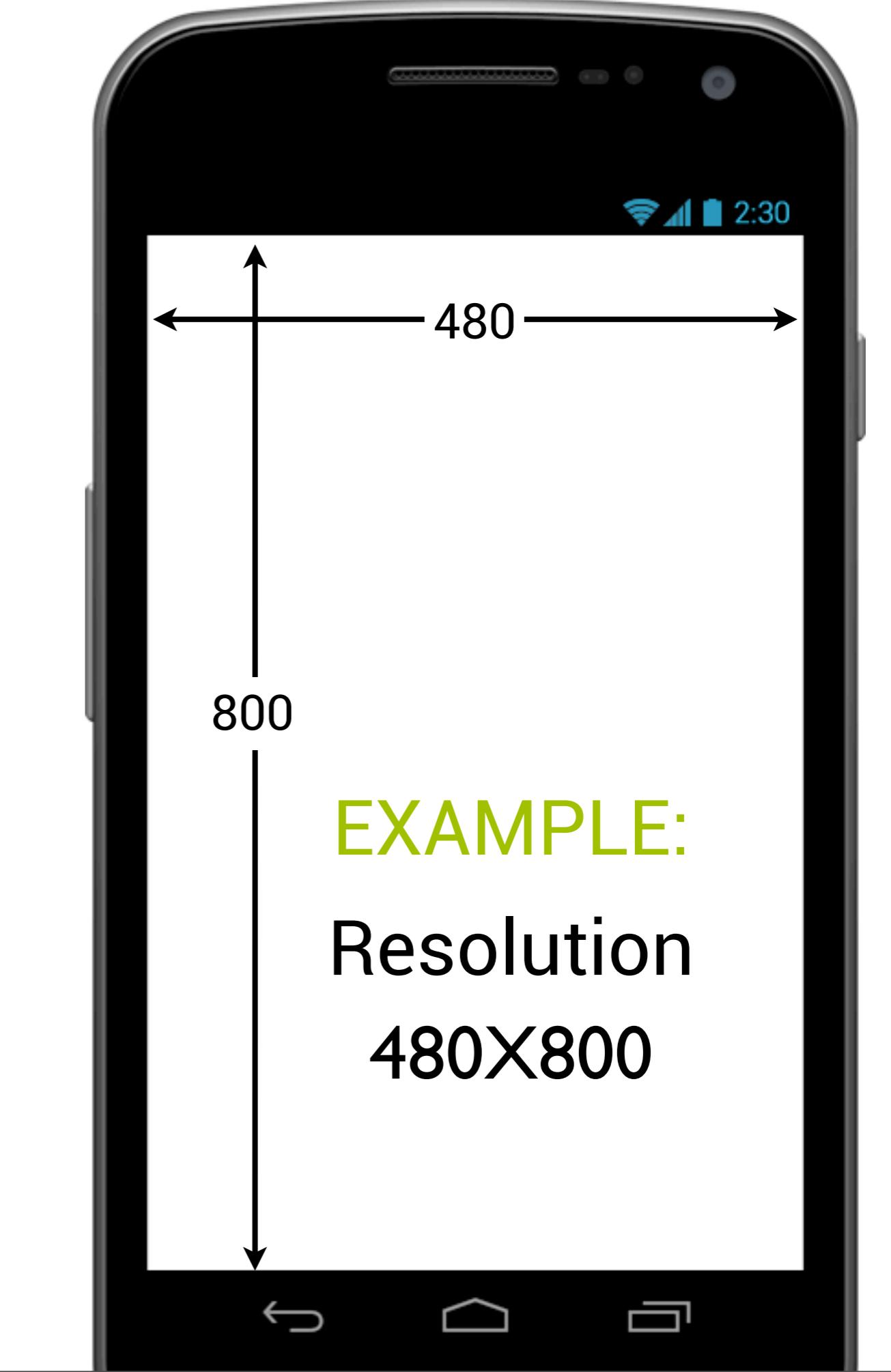


RESOLUTION

The total number of physical pixels on a screen.

RESOL

The total number of phy



2

SCREEN DENSITY

2

SCREEN DENSITY

The number of pixels in a physical area of a screen.



2

SCREEN DENSITY

The number of pixels in a physical area of a screen.

MEASURED AS

number of dots in an inch

or simply ...

Dots Per Inch
DPI



There's
tvdpi = 213 (approx.)
as well.

But we'll skip it for today ;)

3

DENSITY- INDEPENDENT PIXEL (DP)



3

DENSITY- INDEPENDENT PIXEL (DP)

Defining layout in a ...

Defining layout in a ...

DENSITY
independent
way

WHAT DOES
THIS MEAN IN
PIXELS?

1 DP = 1 PX
on a mdpi
(160 dpi) screen

$$\text{pixels} = \text{DP} * (\text{DPI}/160)$$

48px
in mdpi (160)

That means

is equivalent to

$$48 * 240 / 160$$

ie **72px**
in hdpi (240)

which means

**YOU
MUST
DELIVER
BITMAPS
FOR ALL 4
SCREEN DENSITIES**

which means

a **48px icon**

should have 4 versions

36px
for ldpi

48px
for mdpi

72px
for hdpi

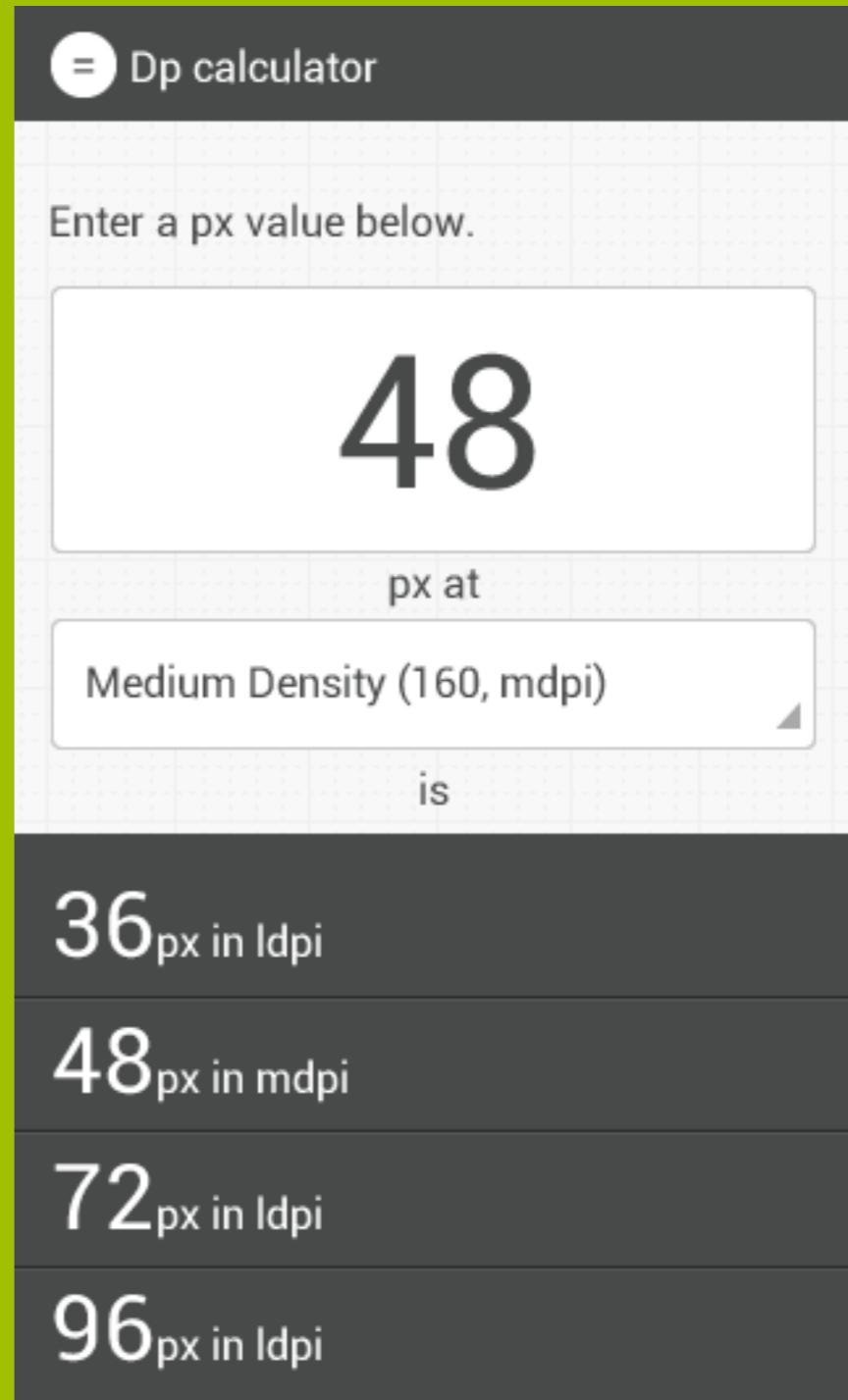
96px
for xhdpi

if you think that's a hassle,

we've built a simple app
that calculates dp for a
desired screen density

dp calculator

go ahead and search for it
in Google Play store.



for defining

TEXT SIZE,

use

SP

for defining

TEXT SIZE,

use

SP?

SP = Scalable Pixel

SP = DP * Scale

This scale can be used by people who need larger font sizes, for example, to use device more comfortably.

SP = Scalable Pixel

SP = DP * Scale

SP is similar to Dp

except that

SP can also be scaled by the user's
font size preference.

FEW NOTES

Start by designing for a mdpi (160) screen

mdpi (160) = Baseline Screen

Scale bitmaps up or down for every other screen densities

lets move on to
UI DESIGN
now

Contacto



Jimmy Pgae

< **Add Contact**

Roger Daltry

Pete Townshend

Robert Plant

Keith Moon

John Entwhistle

John Bonham

John Paul Jones

Jack Johnson

Nick Drake

First name ...

< **Jimmy Page**

Last name ...

MOBILE



+977 98412345

Mobile number ...

Home number ...

HOME



+977 1 4356789

Office number ...

Office number ...

Done

OFFICE



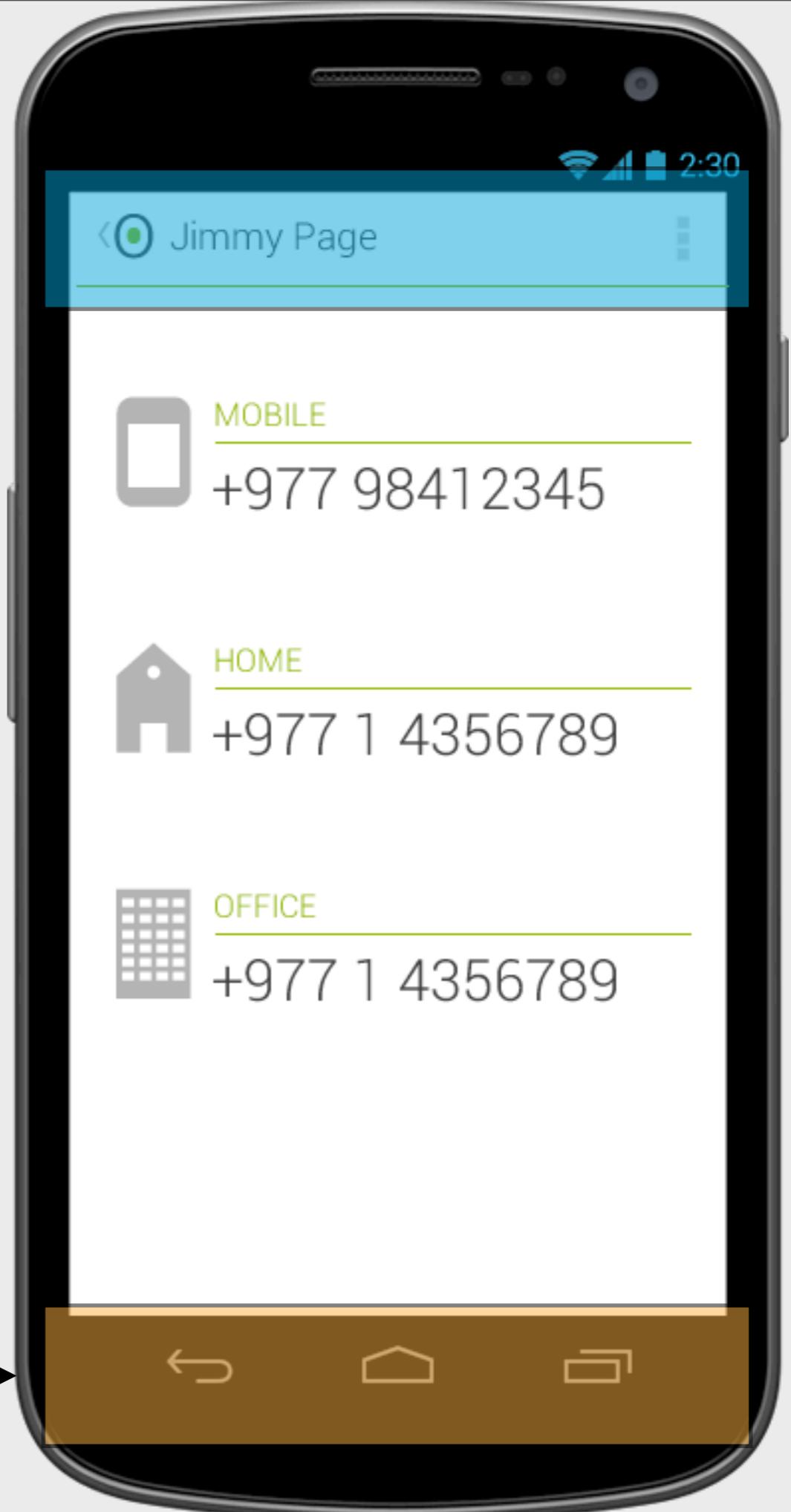
+977 1 4356789

Contacto

The ultimate address book

ANDROID **DESIGN PATTERNS**

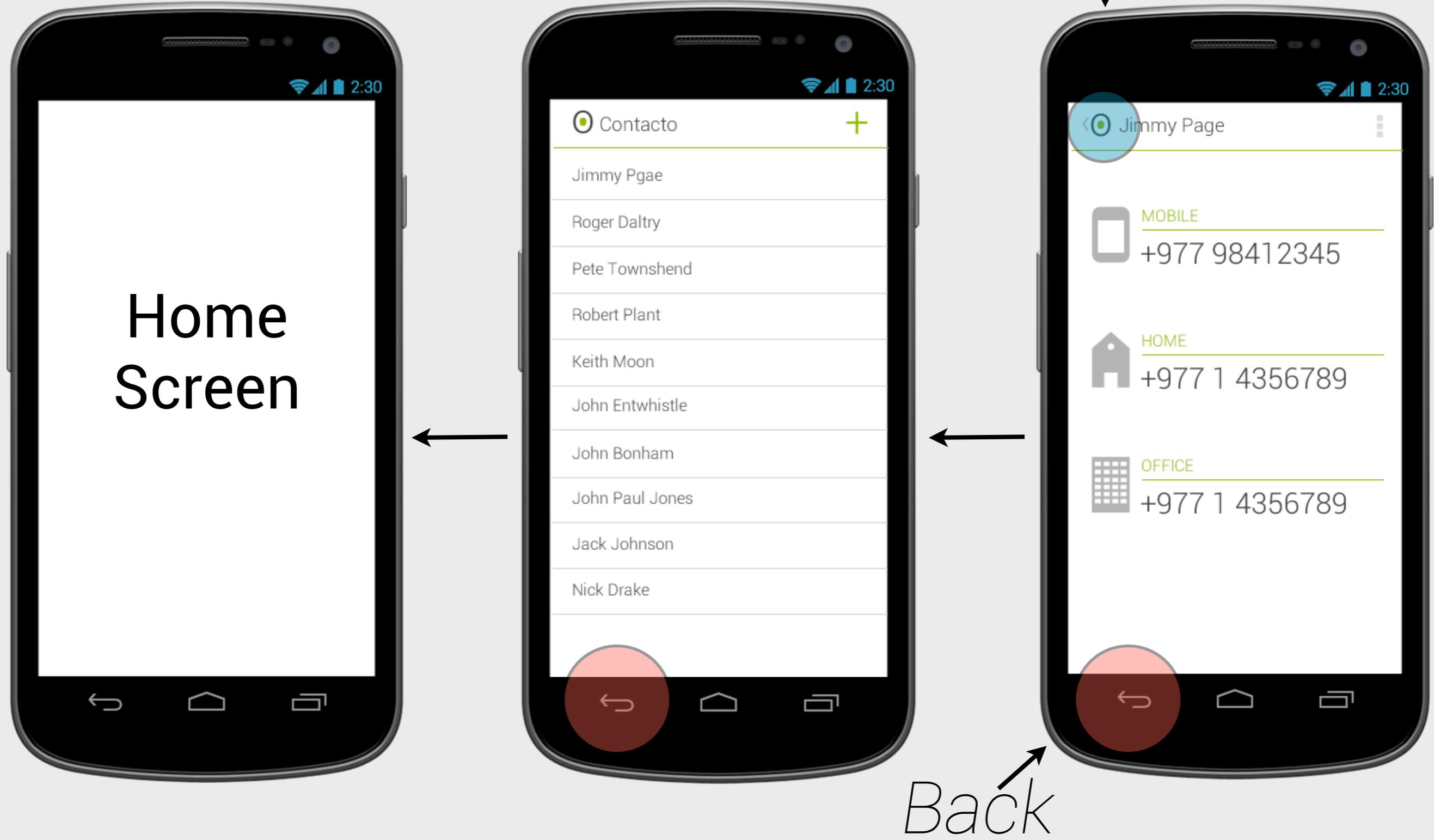
ACTION BAR



NAVIGATION BAR



Up vs Back



FOR MORE ANDROID DESIGN PATTERNS

see here:

<http://developer.android.com/design/patterns/index.html>

a little bit on

ANDROID ICONOGRAPHY

CREATE
LAUNCHER ICONS
IN FOLLOWING DIMENSIONS



36*36px
(for ldpi)



48*48px
(for mdpi)



72*72px
(for hdpi)



96*96px
(for hdpi)

Launcher icon appear on the Home or All Apps screen of android.

FOR MORE ANDROID ICONOGRAPHY

see here:

<http://developer.android.com/design/style/iconography.html>

**THANK
YOU!!**

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