



UI DESIGN

By: Muhammad Obaidullah



Main Menu



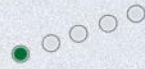
SOCKET 1
Kitchen Lights

ON

Status:

Power Consumption

Power: 45 Watts
Current: 60 Amps
Average Power: 30 Watts per hour





DESIGNING

FEATURES



Layers



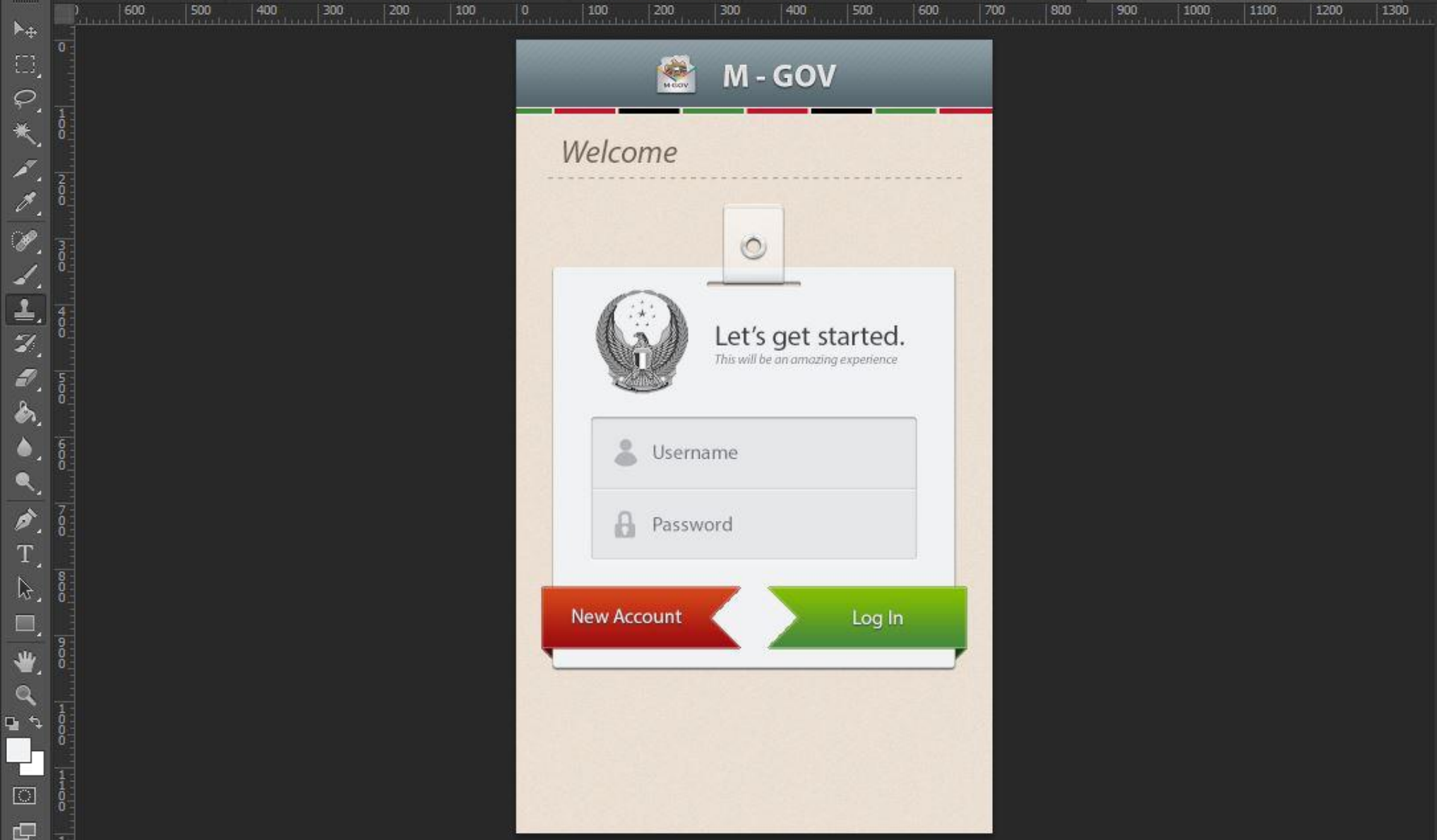
Brushes



Patterns



Slice



Color Swatches Info

Layers Channels Paths

Kind

Normal Opacity: 100%

Lock: Fill: 100%

- section copy
- section interior
- bg paper
- assets copy
- assets
 - pic06626_lw
 - Create New Account
- clip
 - Layer 21 copy
 - newaccoutn copy
 - newaccoutn
 - login
 - Layer 21 fx

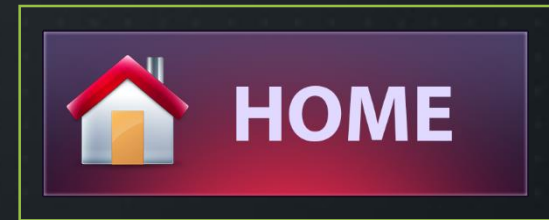


SPRITE

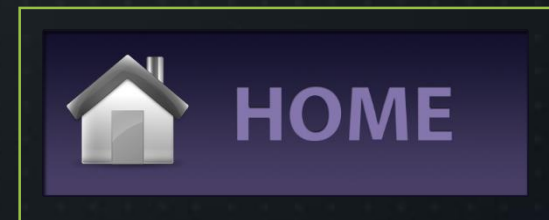
```
#withoutsprite{
  border: 0; padding: 0; margin: 0;
  margin-top: 20px;
  background-image:url('../img/home_normal.png');
  position: relative;
  margin-left: auto;
  margin-right: auto;
  height: 260px;
  width: 759px;
  display:block;
}
#withoutsprite:hover{
  background-image:url('../img/home_hover.png');
  cursor: pointer;
}
#withoutsprite:active{
  background-image:url('../img/home_pressed.png');
}
```



home_normal



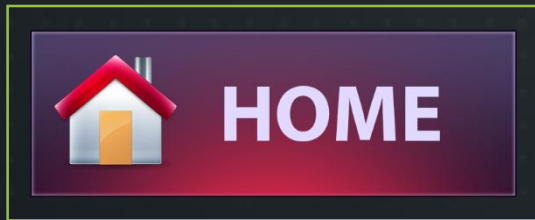
home_hover



home_pressed



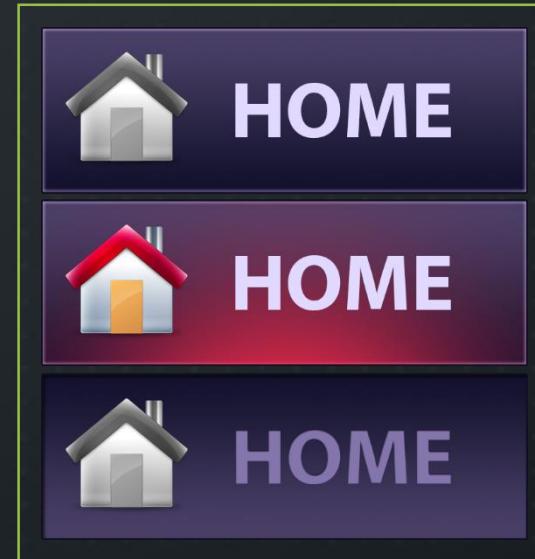
Normal



Hover



Pressed



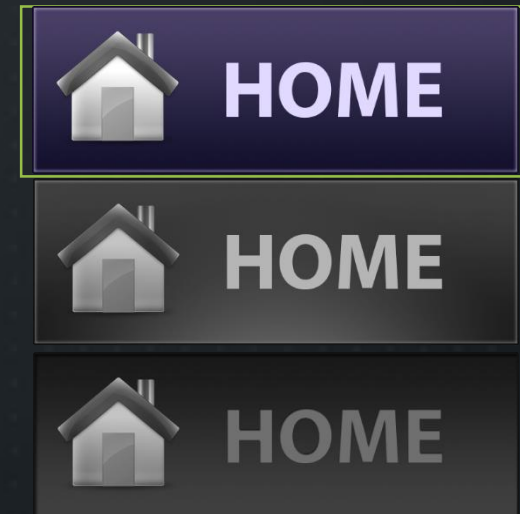
Single Image


```
#withsprite{
  border: 0; padding: 0; margin: 0;
  margin-top: 20px;
  background-image:url('../img/homebtn.png');
  background-position: 0px 0px;
  position: relative;
  margin-left: auto;
  margin-right: auto;
  height: 260px;
  width: 759px;
  display:block;
}
#withsprite:hover{
  background-position: 0px -269px;
  cursor: pointer;
}
#withsprite:active{
  background-position: 0px -539px;
}
```



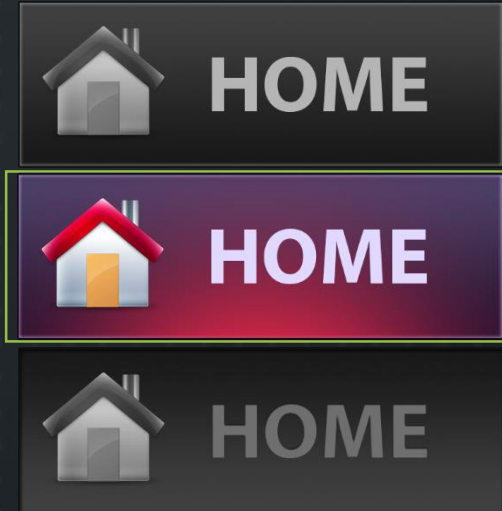
Single Image

```
#withsprite{
  border: 0; padding: 0; margin: 0;
  margin-top: 20px;
  background-image:url('../img/homebtn.png');
  background-position: 0px 0px;
  position: relative;
  margin-left: auto;
  margin-right: auto;
  height: 260px;
  width: 759px;
  display:block;
}
#withsprite:hover{
  background-position: 0px -269px;
  cursor: pointer;
}
#withsprite:active{
  background-position: 0px -539px;
}
```



Window

```
#withsprite{
  border: 0; padding: 0; margin: 0;
  margin-top: 20px;
  background-image:url('../img/homebtn.png');
  background-position: 0px 0px;
  position: relative;
  margin-left: auto;
  margin-right: auto;
  height: 260px;
  width: 759px;
  display:block;
}
#withsprite:hover{
  background-position: 0px -269px;
  cursor: pointer;
}
#withsprite:active{
  background-position: 0px -539px;
}
```



Background
Moves



```
#withsprite{
  border: 0; padding: 0; margin: 0;
  margin-top: 20px;
  background-image:url('../img/homebtn.png');
  background-position: 0px 0px;
  position: relative;
  margin-left: auto;
  margin-right: auto;
  height: 260px;
  width: 759px;
  display:block;
}
#withsprite:hover{
  background-position: 0px -269px;
  cursor: pointer;
}
#withsprite:active{
  background-position: 0px -539px;
}
```

Background
Moves



BUTTONS IN ANDROID

STEP 1

The screenshot shows the Android Studio interface with the following components:

- Toolbar:** Contains icons for file operations, search, and running the application.
- Project View:** Shows the project structure with folders like assets, bin, gen, libs, and res.
- Code Editor:** Displays the XML code for a `RelativeLayout` with attributes such as `xmlns:android`, `xmlns:tools`, `android:layout_width`, `android:layout_height`, and `android:id`. A `LinearLayout` is also visible below it.
- Context Menu:** A menu is open over the `drawable` folder, listing options like `New`, `Cut`, `Copy`, `Paste`, `Find Usages`, `Refactor`, `Add to Favorites`, `Show Image Thumbnails`, `Reformat Code...`, `Optimize Imports...`, `Delete...`, `Module`, `Drawable resource file`, `File`, `Directory`, `Android Component`, and `Image Asset`.
- Preview:** Shows a mobile device mockup with a 'New Design' screen containing a 'Specifications' table.

Specifications	
Processor:	Item 1 Sub Item 1
Camera Megapixels:	Item 1 Sub Item 1
NFC:	<input type="checkbox"/>
Battery Capacity:	Item 1 Sub Item 1
SD Card Slot:	<input type="checkbox"/>
Water Proof:	<input type="checkbox"/>
RAM Size:	Item 1 Sub Item 1



BUTTONS IN ANDROID

STEP 2

The screenshot shows the Android Studio interface with the following components:

- Toolbar:** File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project Explorer:** Lists files in the 'res/drawable-hdpi' folder, with 'grey_btn.xml' selected.
- Code Editor:** Displays the XML code for 'grey_btn.xml':

```
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
  <item
    android:state_enabled="false"
    android:drawable="@drawable/normal" />
  <item
    android:state_pressed="true"
    android:state_enabled="true"
    android:drawable="@drawable/pressed" />
  <item
    android:state_focused="true"
    android:state_enabled="true"
    android:drawable="@drawable/normal" />
  <item
    android:state_enabled="true"
    android:drawable="@drawable/normal" />
</selector>
```
- Preview:** Shows a visual representation of the button, which is a teal square with a slight shadow.



BUTTONS IN ANDROID

STEP 3

The screenshot shows the Android Studio interface. The top toolbar includes icons for File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, and Help. The breadcrumb navigation shows the path: MobileLab > res > layout > specs_activity.xml. The Project view on the left lists various assets, with 'grey_btn.xml' selected. The main editor displays the following XML code:

```
android:layout_alignParentRight="true"
android:layout_marginLeft="5dp"
android:layout_centerVertical="true"
android:layout_width="wrap_content"
android:layout_height="wrap_content"/>
</RelativeLayout>
<Button
    android:id="@+id/nextBtn"
    android:layout_width="100dp"
    android:layout_height="40dp"
    android:background="@drawable/grey_btn"
    android:text="Next"
    android:textColor="#e7feff"
    android:shadowColor="#070707"
    android:shadowDx="0"
    android:shadowDy="1"
    android:shadowRadius="1"
    android:layout_marginTop="15dp"
    android:layout_marginBottom="20dp"
    android:layout_gravity="center_vertical|right"/>
</LinearLayout>
</ScrollView>
```

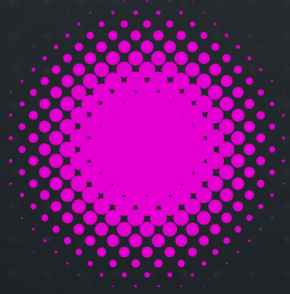
The Preview window on the right shows a Nexus 4 device displaying the app's interface. The app has a title bar 'Mobile Lab' and a header 'New Design'. Below the header is a 'Specifications' section with the following items:

- Processor: Item 1 (Sub Item 1)
- Camera Megapixels: Item 1 (Sub Item 1)
- NFC:
- Battery Capacity: Item 1 (Sub Item 1)
- SD Card Slot:
- Water Proof:
- RAM Size: Item 1 (Sub Item 1)

ADVANTAGES



*Lower Loading
Time*



No Glitches



*Viewable
Offline*



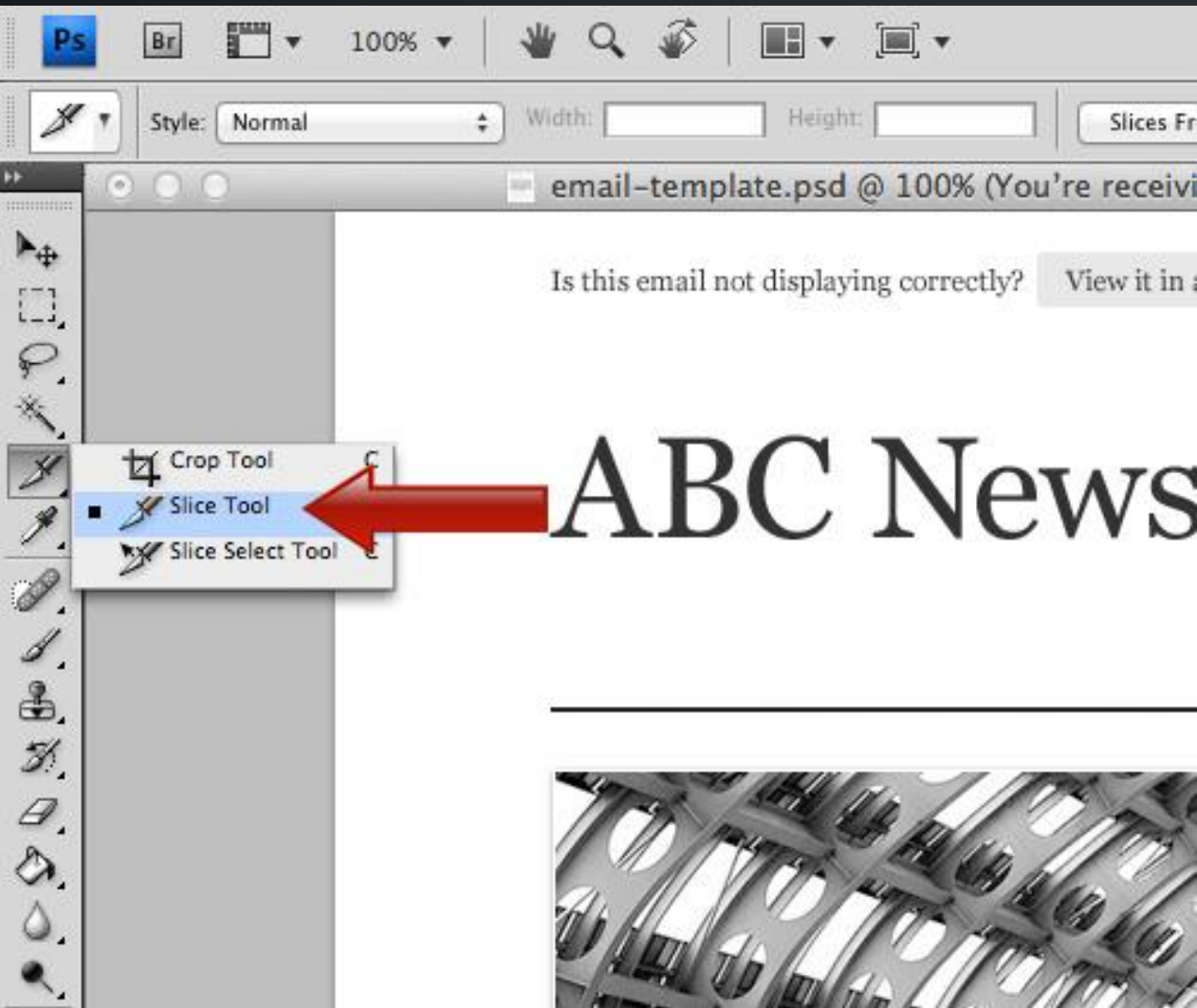
Less Files

CUT the ROPE™

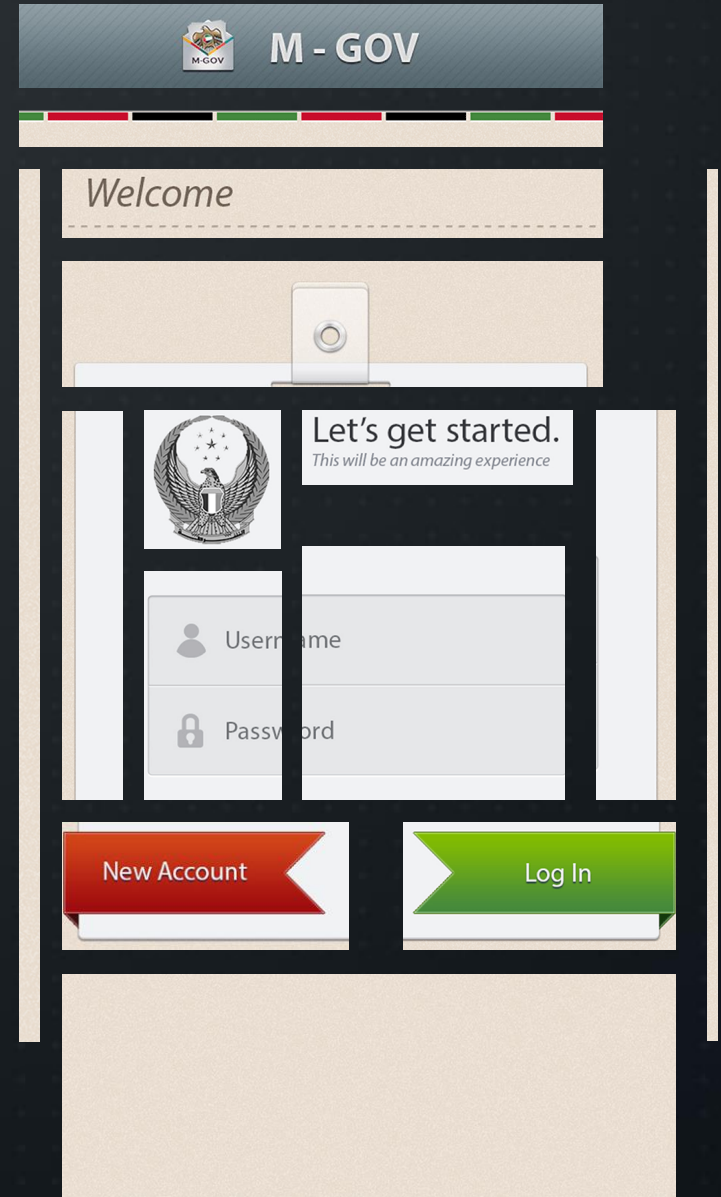
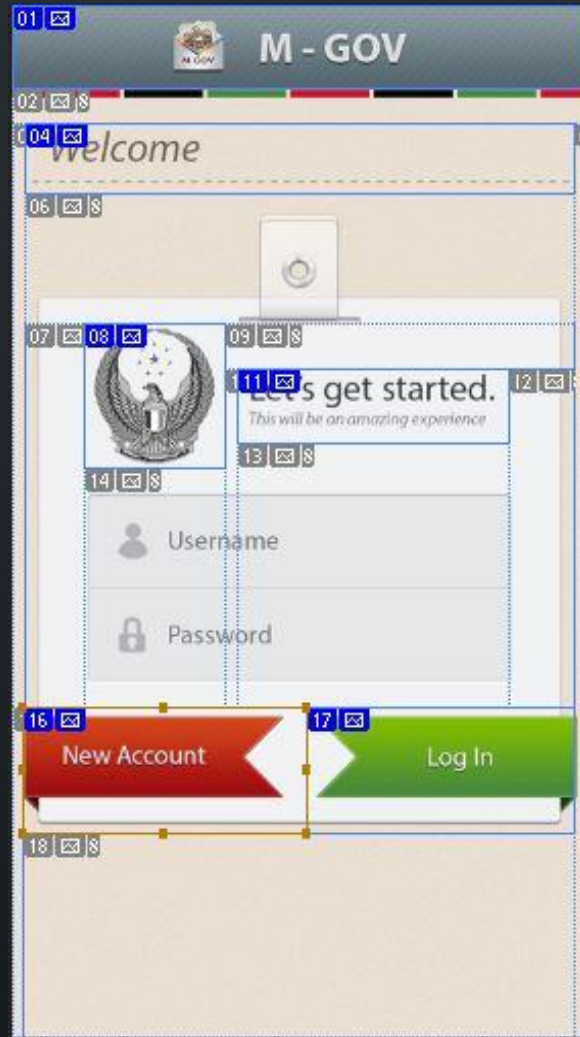
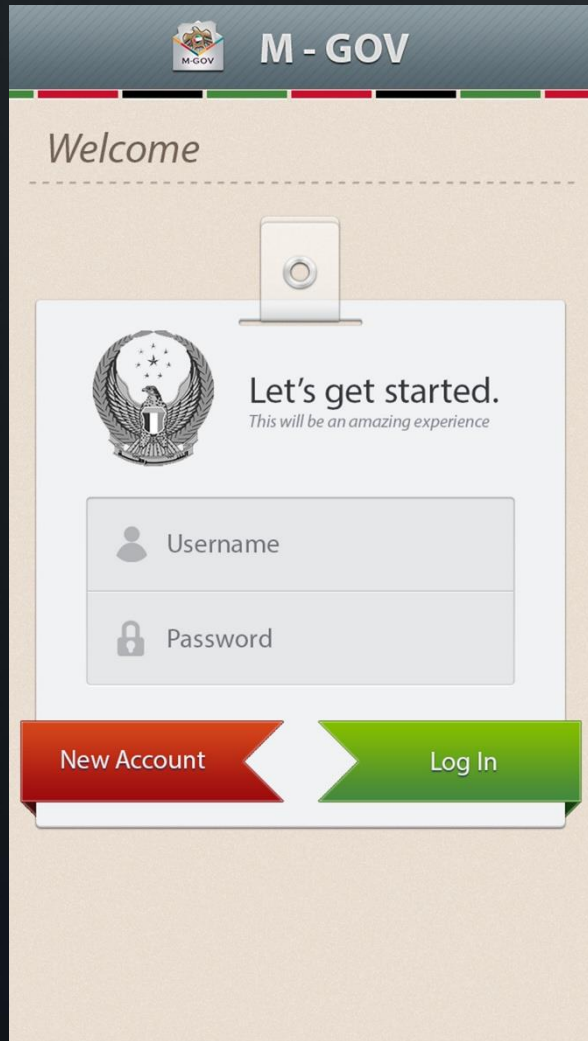




SLICING



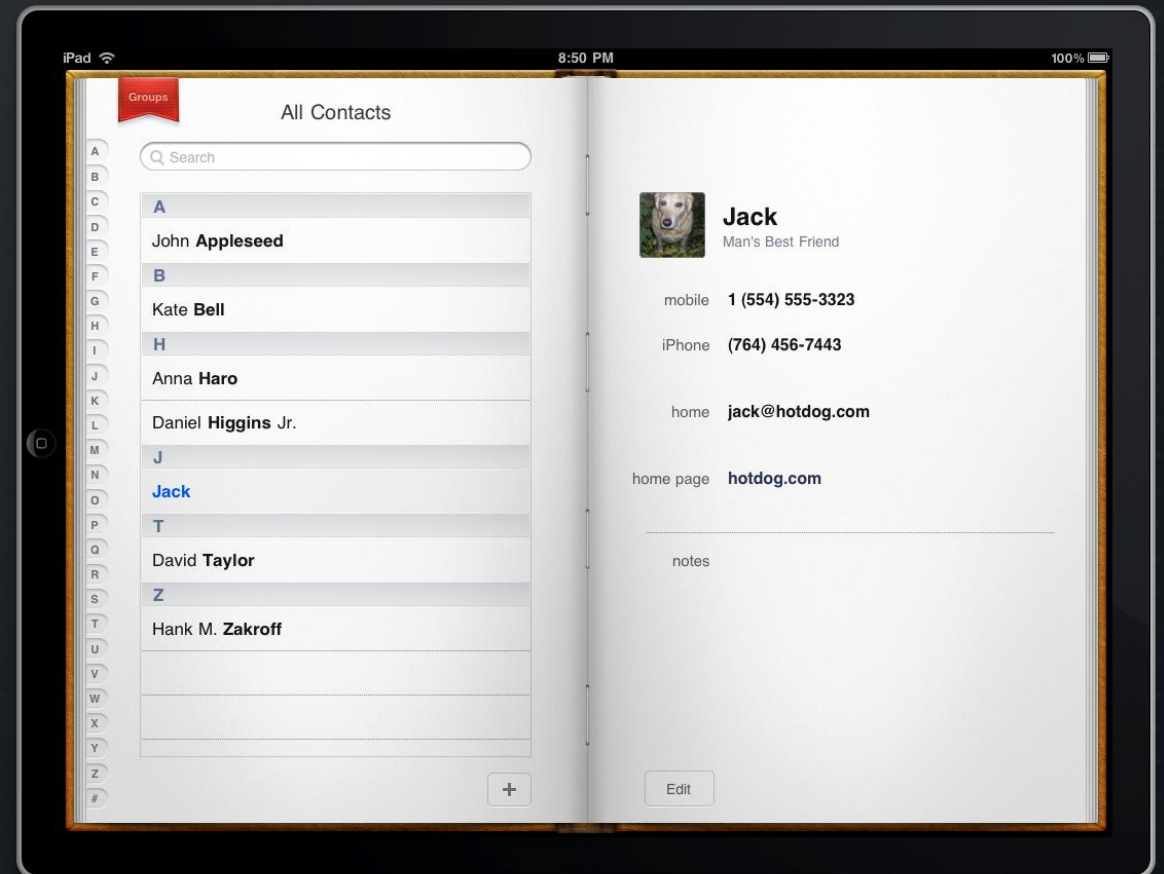
Slice Tool



PROBLEMS WITH SLICING



TAKING ADVANTAGE OF SCREEN





PATTERNS

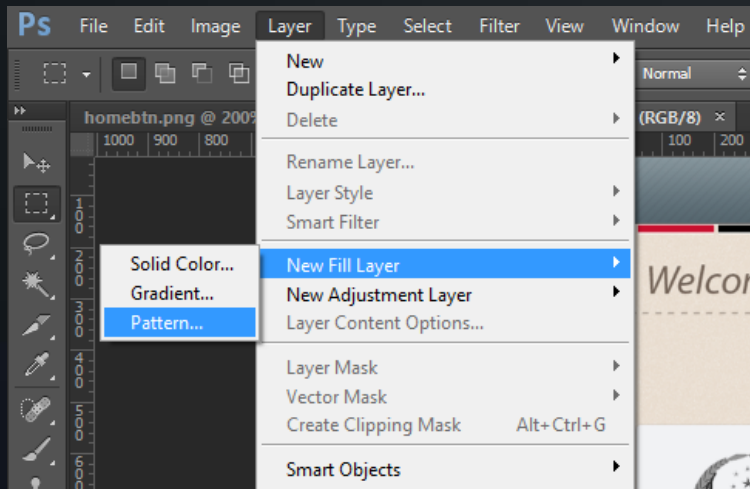
DOWNLOADING .PAT



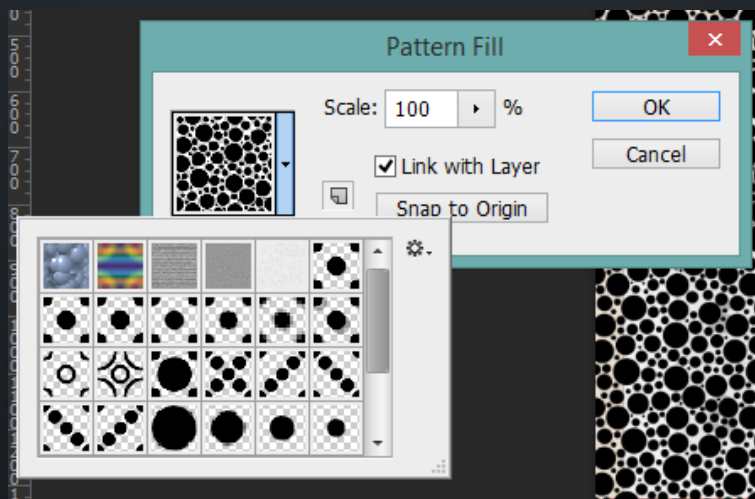
- ✓ <http://www.brusheezy.com/patterns>
- ✓ <http://myphotoshopbrushes.com/patterns/>
- ✓ <http://all-free-download.com/photoshop-patterns/>
- ✓ <http://subtlepatterns.com/>
- ✓ <http://www.photoshopstar.com/resources/photoshop-patterns-collection/>
- ✓ <http://photoshop.cc/patterns>

LOADING .PAT

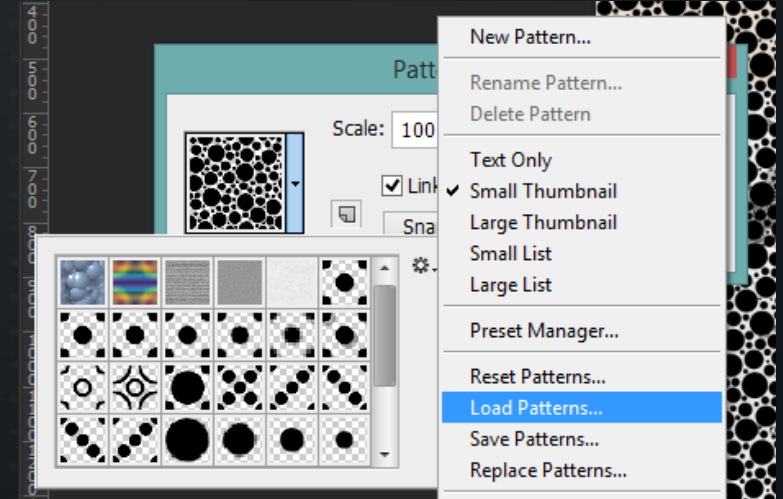
1



2

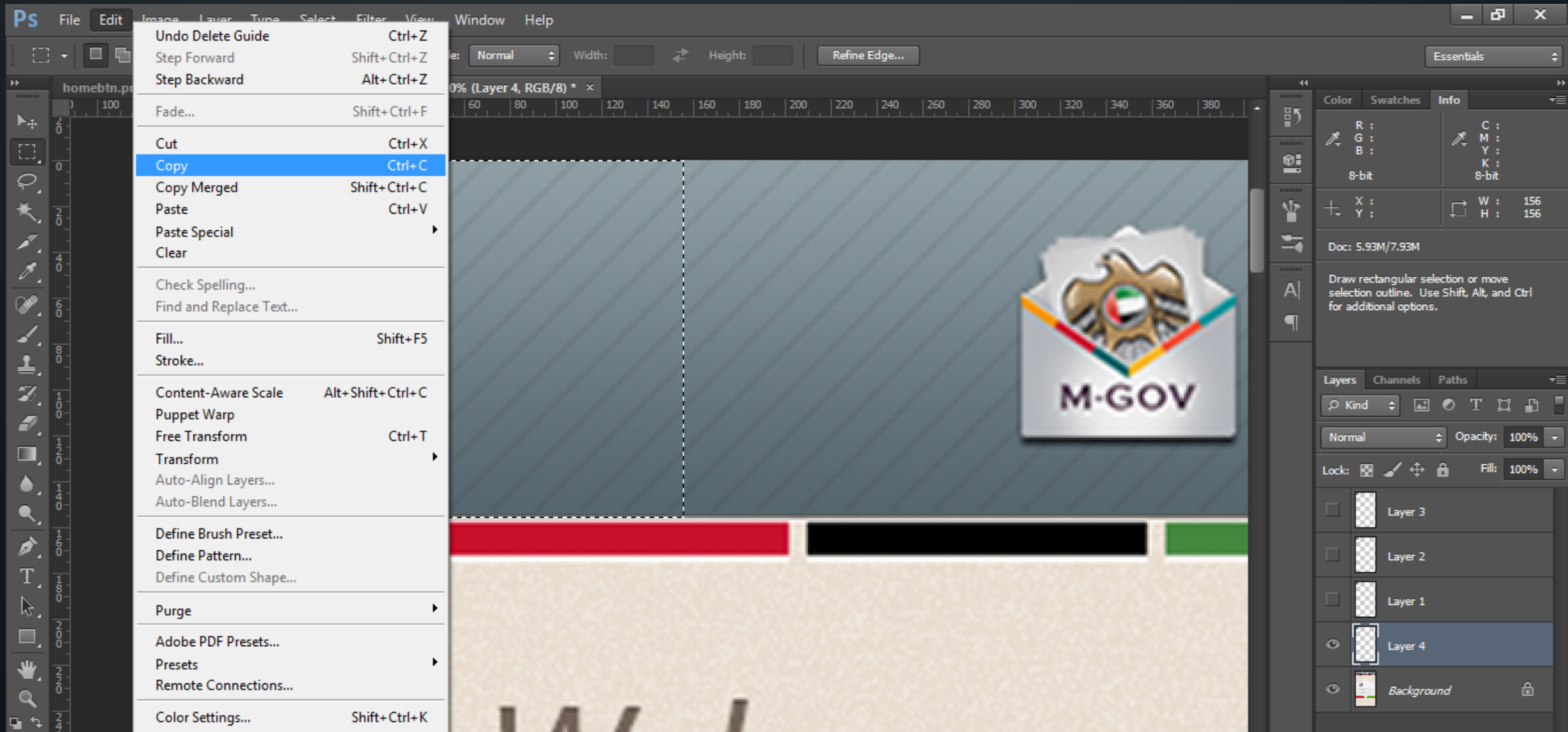


3



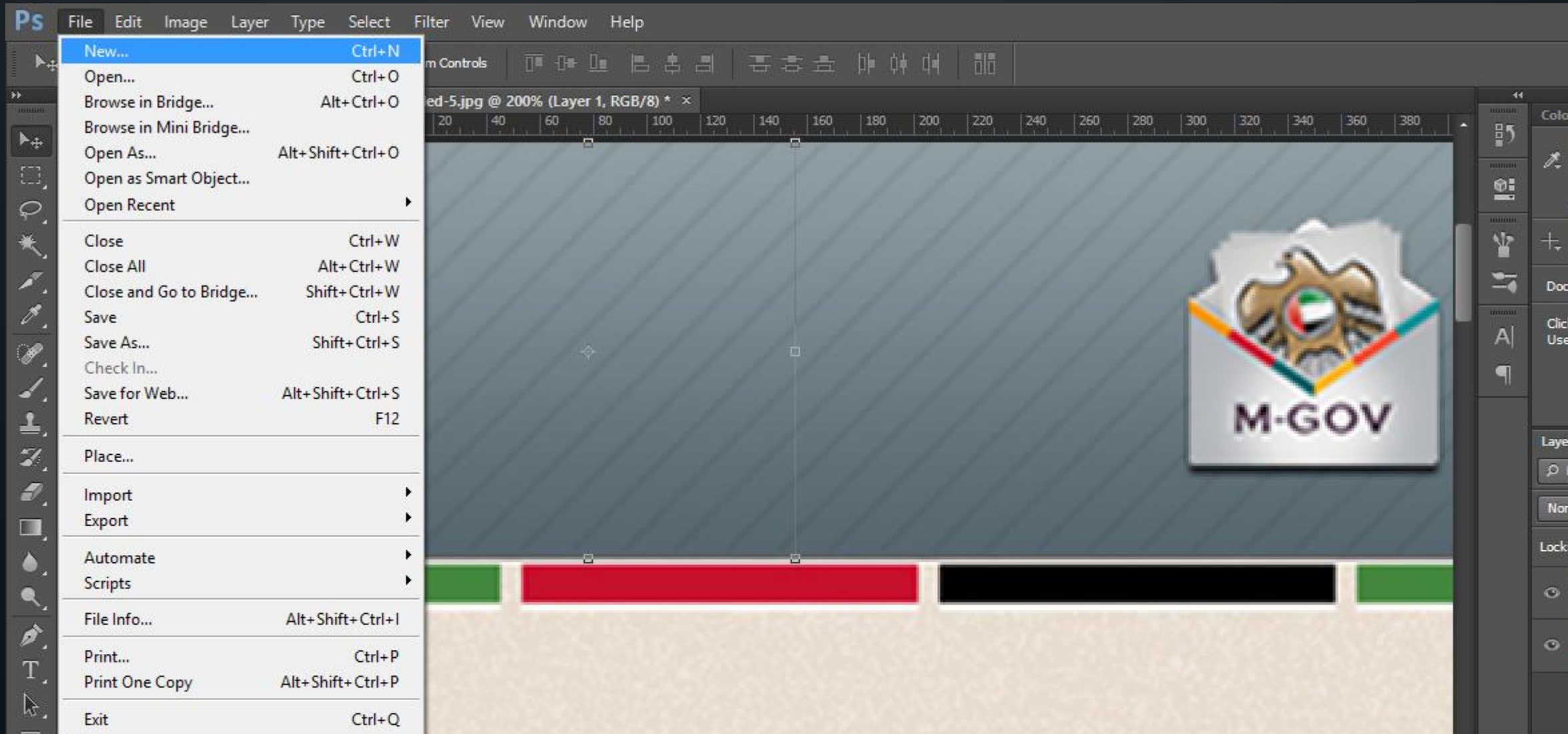
EXPORTING A PATTERN

STEP 1



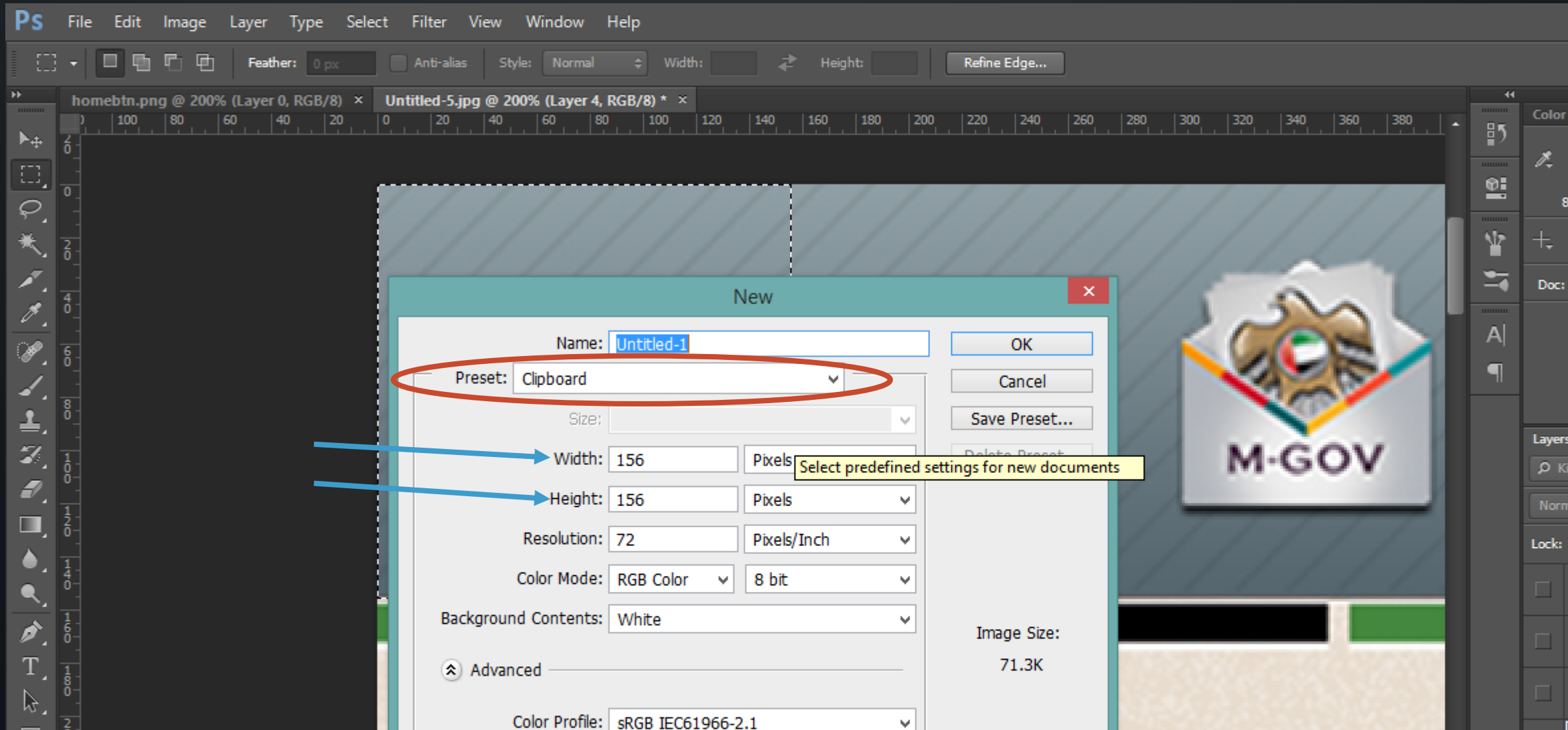
EXPORTING A PATTERN

STEP 2



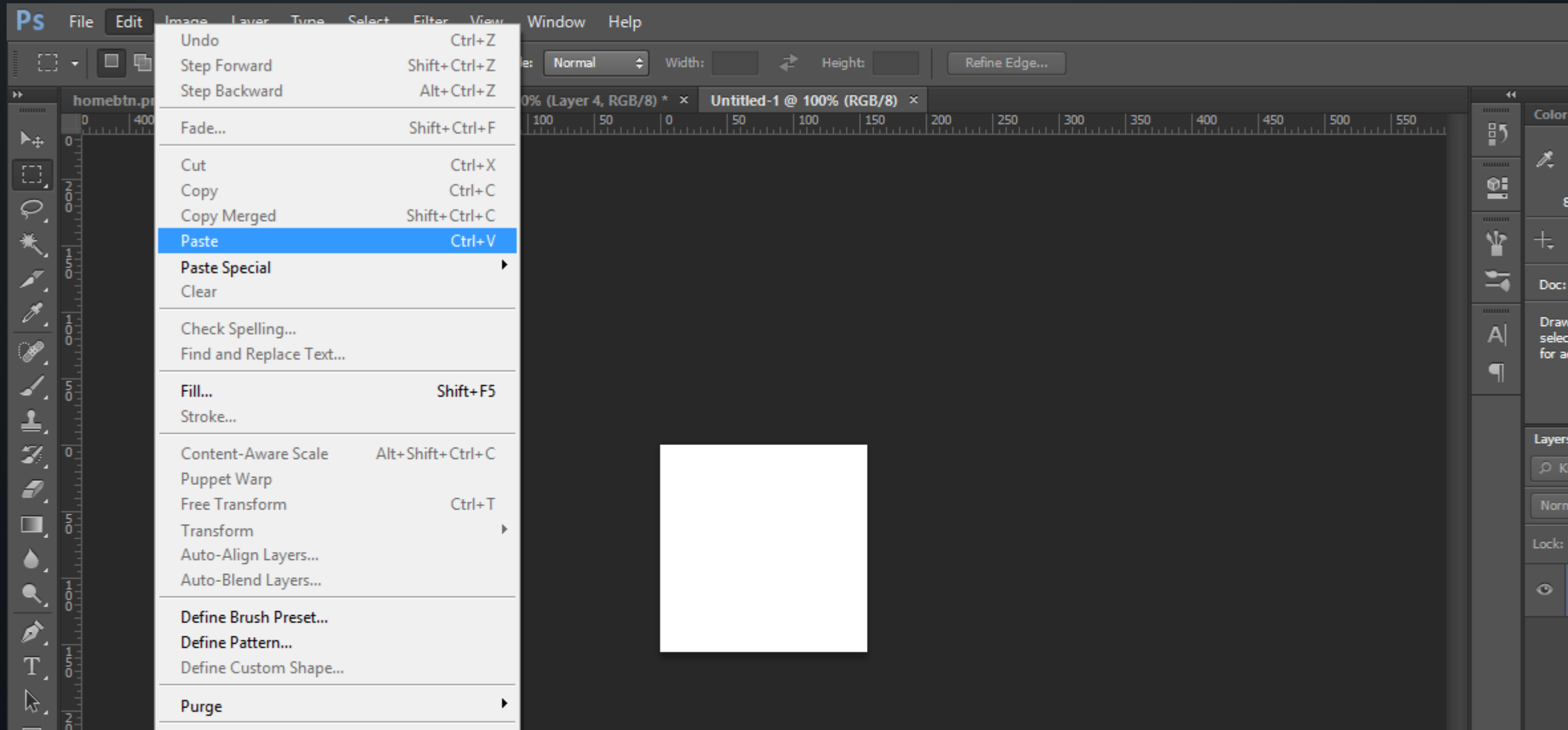
EXPORTING A PATTERN

STEP 3



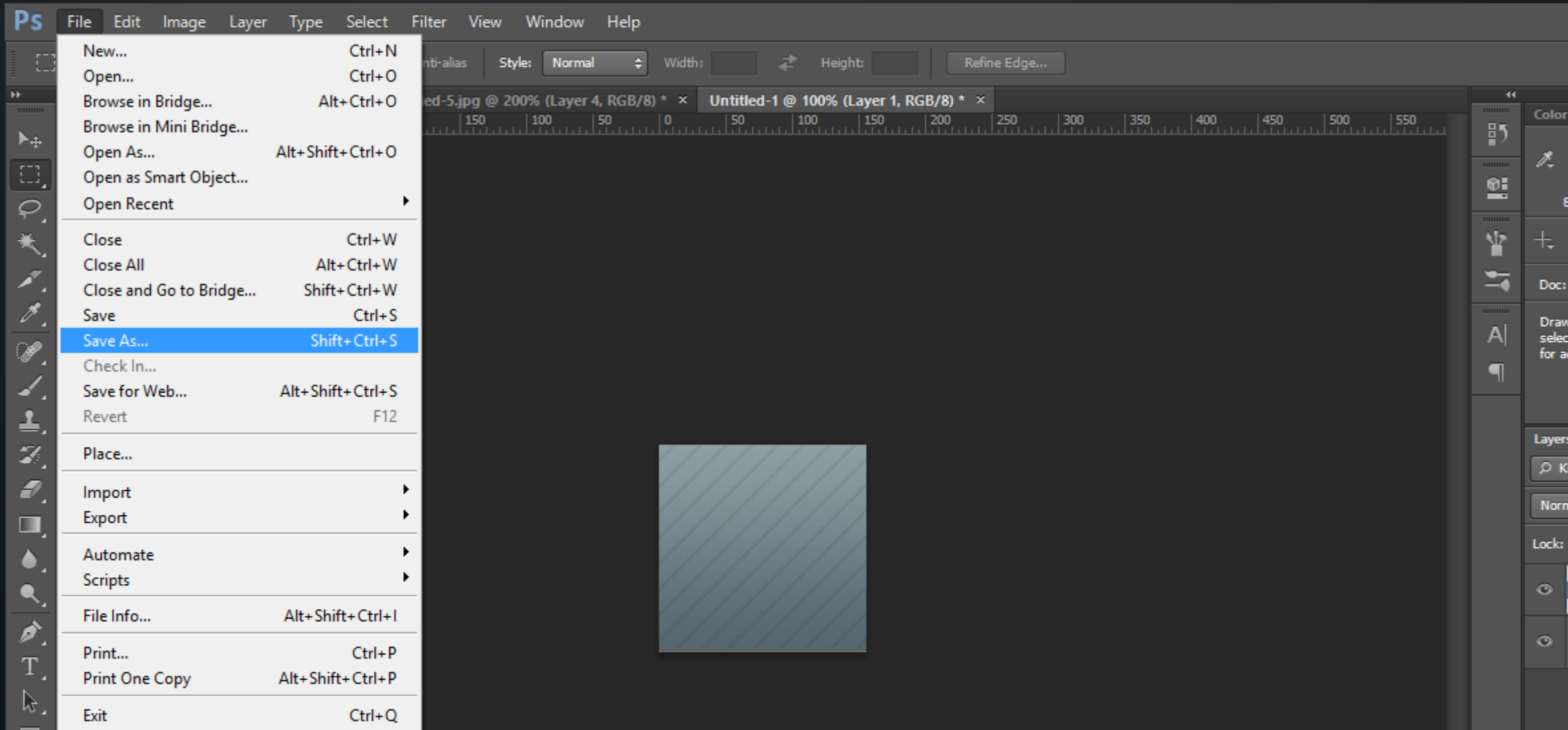
EXPORTING A PATTERN

STEP 4



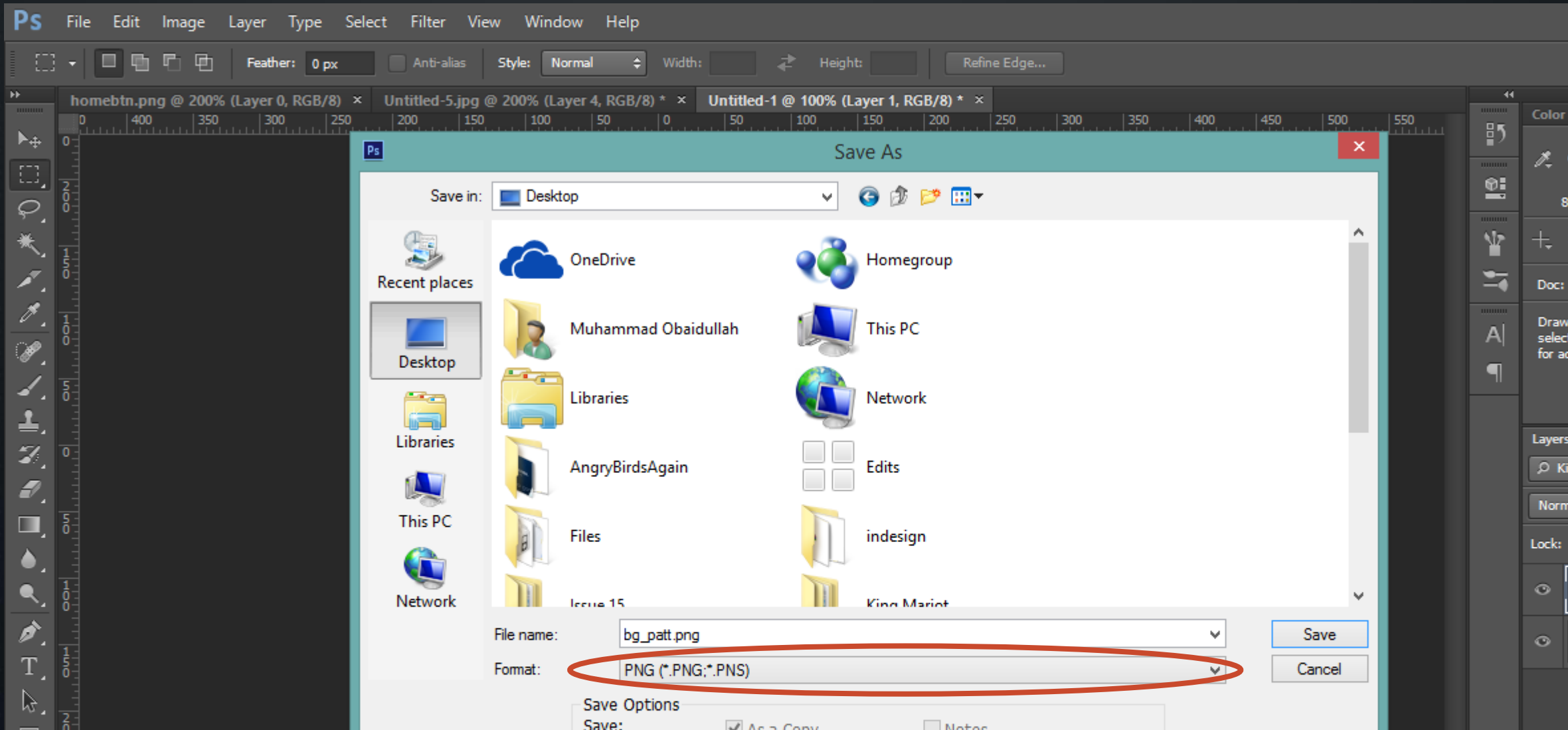
EXPORTING A PATTERN

STEP 5



EXPORTING A PATTERN

STEP 6




```
body{
  background-color: #cccccc;
  background-image:url('../img/bg_patt.png');
  background-repeat: repeat;
}
```

```
#titlebar{
  border: 0; padding: 0; margin: 0;
  background-image:url('../img/patt.png');
  position: relative;
  height: 156px;
  width: 100%;
  display:block;
  background-repeat: repeat-x;
}
```

```
h1{
  border: 0; padding: 0; margin: 0;
  display: block;
  text-transform: uppercase;
  color: #dbdbdb;
  text-shadow: 0px 2px #1d2225;
  font-size: 450%;
  text-align: center;
  padding-top: 30px;
}
```

<body>



</body>

```
body{
  background-color: #cccccc;
  background-image:url('../img/bg_patt.png');
  background-repeat: repeat;
}
```

```
#titlebar{
  border: 0; padding: 0; margin: 0;
  background-image:url('../img/patt.png');
  position: relative;
  height: 156px;
  width: 100%;
  display:block;
  background-repeat: repeat-x;
}
```

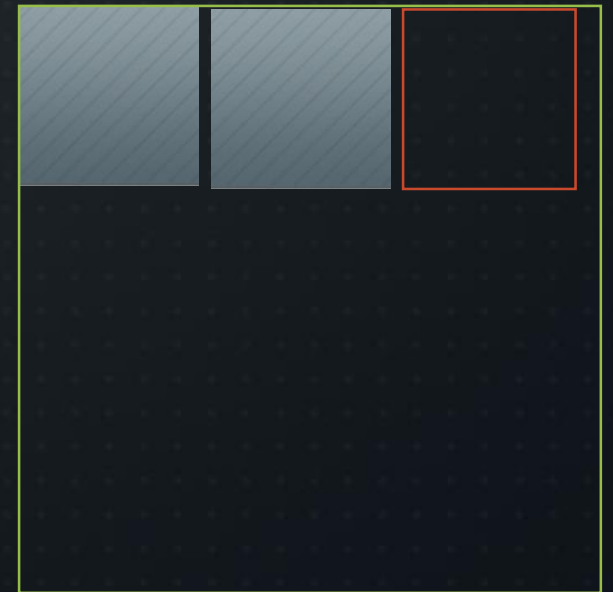
```
h1{
  border: 0; padding: 0; margin: 0;
  display: block;
  text-transform: uppercase;
  color: #dbdbdb;
  text-shadow: 0px 2px #1d2225;
  font-size: 450%;
  text-align: center;
  padding-top: 30px;
}
```

<body>



</body>

<div id="titlebar">



</div>

Bell 4:20 PM

Bell 4:20 PM

Bell 4:20 PM

Back Label Edit

Page Title
www.teehanlax.com Google

Navigation icons: back, forward, share, bookmarks, tabs

Previous Next Label Label

Label Label Label Label

Alert Label
Tap Continue and sign in to view account information
Cancel Continue

Bell 4:20 PM 52%

Work | Teehan+Lax
www.teehanlax.com/wo Search

teehan+lax

Our Work

App icons: Mail, Messages, Twitter

Mobile keyboard navigation icons: home, back, forward, search, etc.

Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
123 space return

Bell 4:20 PM 90%

Teehan lax

Map showing location of Teehan & Lax Inc. in Little Italy, NYC.





PATTERN IN ANDROID

STEP 1

The screenshot shows the Android Studio interface with the following components:

- Toolbar:** File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project View:** MobileLab > res > layout > specs_activity.xml
- Code Editor:** Contains XML code for a `RelativeLayout`. The code includes attributes for `xmlns:android`, `xmlns:tools`, `android:layout_width`, `android:layout_height`, and `android:id`. A context menu is open over the `drawable` folder, with options like `New`, `Cut`, `Copy`, `Paste`, `Find Usages`, `Refactor`, `Reformat Code...`, `Optimize Imports...`, and `Delete...`. The menu items are partially obscured by blue boxes containing the text: "16dp", "28dp", "128dp", and "50dp".
- Preview:** Shows a mobile device (Nexus 4) displaying a "New Design" screen with "Specifications" for "Item 1". The specifications include Processor, Camera Megapixels, NFC, Battery Capacity, SD Card Slot, Water Proof, and RAM Size.



PATTERN IN ANDROID

STEP 2

The screenshot shows the Android Studio interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project Explorer:** Shows the 'res' folder expanded to 'drawable-hdpi', with 'barpatt.xml' selected.
- Code Editor:** Contains the following XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<bitmap
    xmlns:android = "http://schemas.android.com/apk/res/android"
    android:src="@drawable/thinjinglebells"
    android:tileMode="repeat"
/>
```
- Preview:** Shows a Nexus 4 device with a grey background and four colored bars (red, green, yellow, blue) at the bottom.
- Notification:** A green banner at the top right asks to help improve Android Studio by sending usage statistics to Google Inc.



PATTERN IN ANDROID

STEP 3

The screenshot shows the Android Studio interface. The main editor displays the XML code for `barpatt.xml`. The code defines an `ImageView` and a `RelativeLayout`. The `ImageView` is highlighted with a red circle, and its `android:background` attribute is set to `@drawable/barpatt`. The `RelativeLayout` is also highlighted with a red circle, and its `android:background` attribute is set to `@drawable/barpattern`. The preview window on the right shows a mobile app interface with a top bar containing the text "Mobile Lab" and "New Design", and a section titled "Order Details" with a sub-section "Order Details".

```
android:layout_height="match_parent"
android:paddingBottom="16dp"
android:paddingLeft="128dp"
android:paddingRight="128dp"
android:paddingTop="16dp"
android:padding="0dp"
android:background="@drawable/bgpatt"
tools:context=".MainActivity" >
<ImageView
    android:layout_marginTop="3dp"
    android:layout_below="@+id/topbar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@drawable/barpatt"/>
<RelativeLayout
    android:id="@+id/topbar"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:background="@drawable/barpattern">
```

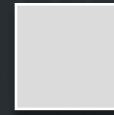


SHADOWS

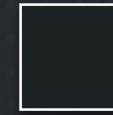

```
body{
  background-color: #cccccc;
  background-image:url('../img/bg_patt.png');
  background-repeat: repeat;
}
```

```
#titlebar{
  border: 0; padding: 0; margin: 0;
  background-image:url('../img/patt.png');
  position: relative;
  height: 156px;
  width: 100%;
  display:block;
  background-repeat: repeat-x;
}
```

```
h1{
  border: 0; padding: 0; margin: 0;
  display: block;
  text-transform: uppercase;|
  color: #dbdbdb;
  text-shadow: 0px 2px #1d2225;
  font-size: 450%;
  text-align: center;
  padding-top: 30px;
}
```



TEXT COLOR



SHADOW COLOR

y-axis – 3D Bevel, +ve values

SHADOW

Light color recommended

y-axis – 3D Emboss, -ve values

SHADOW

Dark color recommended



SHADOWS IN ANDROID

MobileLab - [C:\Users\Muhammad\Documents\workspace\MobileLab] - [MobileLab] - ...res\layout\specs_activity.xml - Android Studio (Preview) 0.4.2

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MobileLab res layout specs_activity.xml

Project barpatt.xml mob_design_btn.xml grey_btn.xml specs_activity.xml pattern.xml

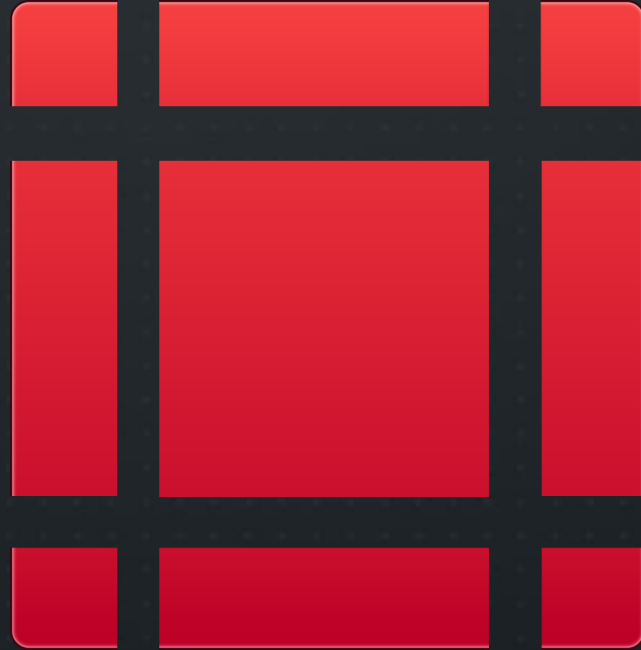
```
android:paddingTop="5dp"
android:paddingBottom="5dp"
android:layout_marginBottom="-2dp"
android:paddingRight="10dp"
android:paddingLeft="10dp"
android:background="@drawable/listbox">
<TextView
    android:layout_centerVertical="true"
    android:id="@+id/NFCText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textColor="#2e7c80"
    android:textSize="16sp"
    android:shadowColor="#e8d9c8"
    android:shadowDx="0"
    android:shadowRadius="1"
    android:shadowDy="1"
    android:textStyle="bold"
    android:text="NFC : "/>
<CheckBox
    android:id="@+id/NFCPresent"
    android:layout_alignParentRight="true"
    android:layout_marginLeft="5dp"
```

Preview Nexus 4 AddTheme MainActivity

Mobile Lab
New Design
Specifications
Processor: Item 1
Sub Item 1
Camera Megapixels: Item 1
Sub Item 1
NFC:
Battery Capacity: Item 1
Sub Item 1
SD Card Slot:
Water Proof:
RAM Size: Item 1
Sub Item 1



9 PATCH IMAGES



9 Patch Image

Split

Stretched

Patched

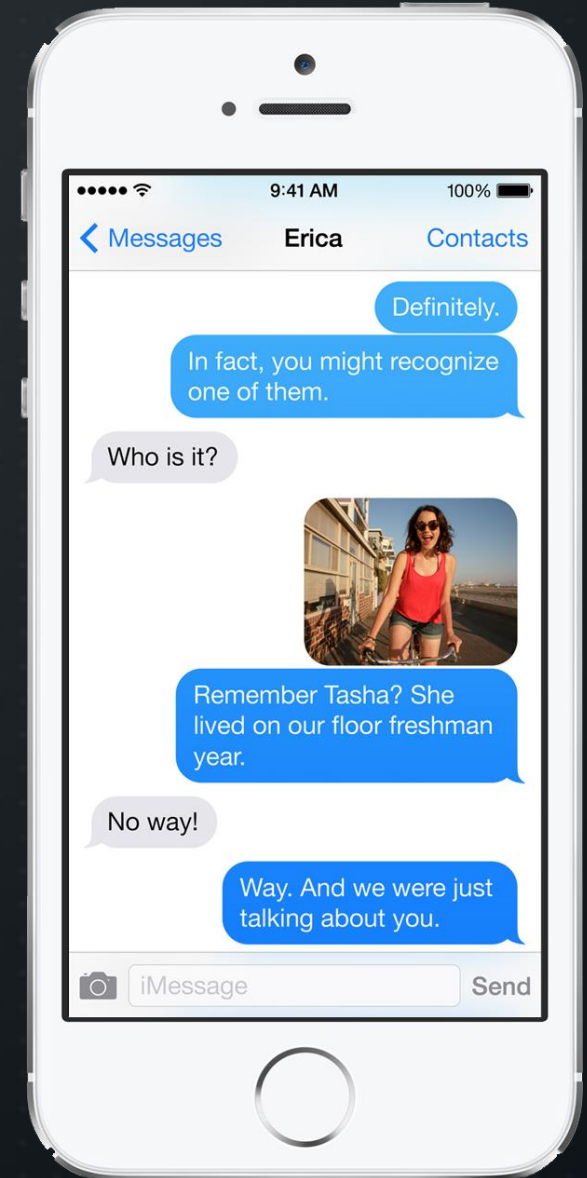
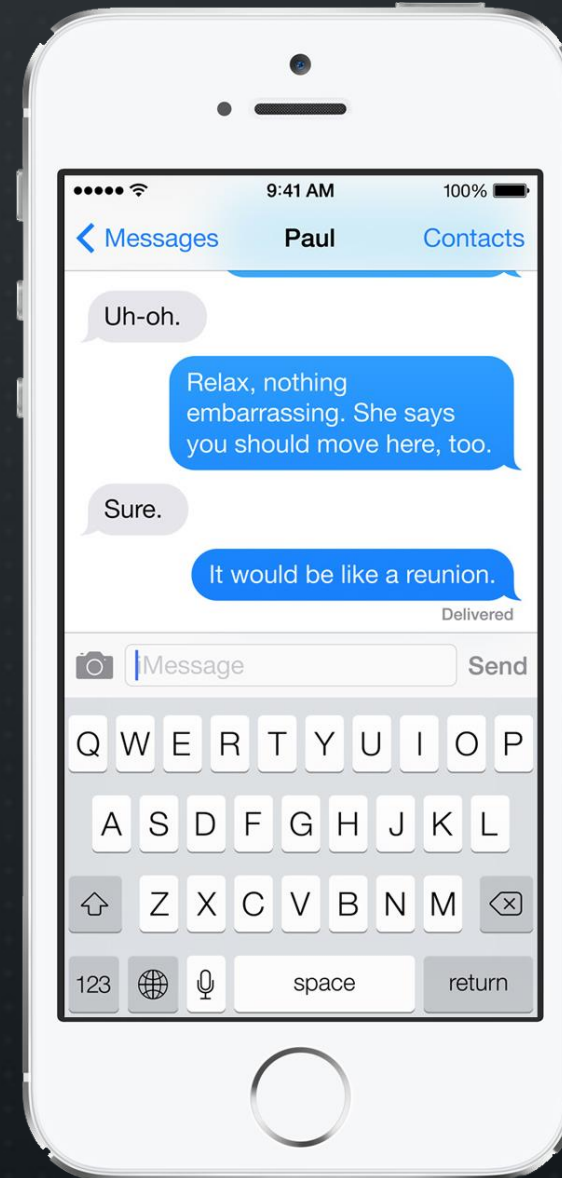


9 Patch Chat Bubble



Rules:

- 1px black (#000000) line defining the stretch regions.
- As small as possible to save memory.
- “.9.png” file extension.





IMPLEMENTING 9 PATCH

S
T
E
P
1

Google Android Asset Studio - Sin

romannurik.github.io/AndroidAssetStudio/nine-patches.html

Apps Dictionary.com | Fin... Sign In YouTube - Broadcas... Client Application St... Torrentz 1024x768 Arduino PID Control... xda-developers - Vie... xda-developers - Vie...

< ANDROID ASSET STUDIO

Simple Nine-patch Generator

The nine-patch generator allows you to quickly generate simple nine-patches at different screen densities, based on the specified source artwork.

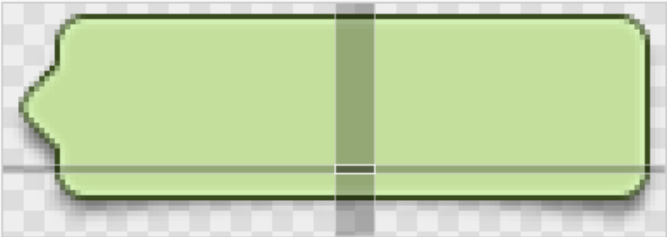
Source graphic

Source density

MDPI (160)	HDPI (240)	XHDPI (320)	XXHDPI (480)
---------------	---------------	----------------	-------------------------

Drawable name
Used when generating ZIP files. Becomes <name> . 9 . png.

Edit Mode STRETCH REGIONS CONTENT PADDING OPTICAL BOUNDS (4.3+)



Grid LIGHT DARK

INTERACTIVE PREVIEW



IMPLEMENTING 9 PATCH

STEP 2

Source graphic **SELECT IMAGE**

Source density

MDPI (160)	HDPI (240)	XHDPI (320)	XXHDPI (480)
------------	------------	-------------	---------------------

Drawable name chatbubblegreen
Used when generating ZIP files. Becomes <name>.9.png

INTERACTIVE P

DOWNLOAD

xxhdpi mdpi

Edit Mode **STRETCH REGIONS** CONTENT PADDING OPTICAL BOUNDS (4.3+)

AUTO-STRETCH **TRIM** Grid **LIGHT** DARK

- Save image as...
- Copy image URL
- Copy image
- Open image in new tab
- Search Google for this image
- Print...
- AdBlock
- IE Tab Options
- Inspect element



IMPLEMENTING 9 PATCH

STEP 3

The image shows a web browser window displaying a page from romannurik.github.io about 9-patches. The page includes sections for 'Source graphic', 'Source density' (MDPI, HDPI, XHDPI), and 'Drawable name'. A 'DOWNLOAD .ZIP' button is visible. Overlaid on the browser is a Windows 'Save As' dialog box. The dialog shows the current directory as 'University Work > UI Design'. The file name is 'greenbubble.9' and the file type is 'PNG Image'. A green circle highlights the file name and file type fields.

Source graphic

Source density

MDPI (160)	HDPI (240)	XHDPI (320)

Drawable name

Used when generating ZIP files. Becomes <name> . 9 . png.

INTERACTIVE PREVIEW

DOWNLOAD .ZIP

xxhdpi

Save As

University Work > UI Design

File name: greenbubble.9

Save as type: PNG Image

Save Cancel



IMPLEMENTING 9 PATCH

STEP 4

The screenshot shows the Android Studio interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project View:** A list of files in the 'res' directory, with 'chatbubblegreen.9.png' circled in red.
- Code Editor:** XML code for 'chatwindow.xml' showing a `<TextView>` element with attributes like `android:id="@+id/chatbubble"`, `android:background="@drawable/chatbubblegreen"`, and `android:text="Hello I am the designer of this screen.\nadoubdo bdsob baosdvb"`.
- Preview:** A mobile device simulation showing a chat bubble with the text "Hello I am the designer of this screen. adoubdo bdsob baosdvb oasd voasd vnoasid" and a red button below it with the text "Click Me ! Hello oodn dos".



WEBSITE LAYOUT

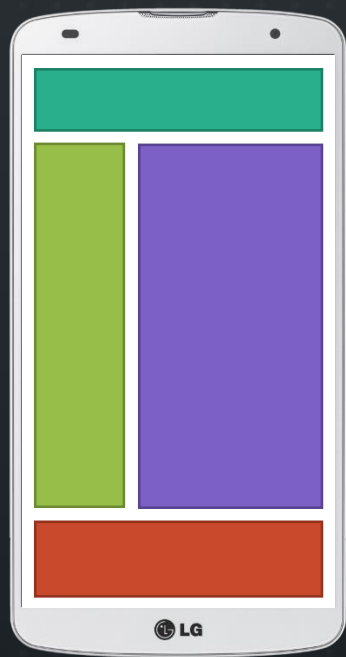
#wrapper width = 1200px

#header width = 100%

#body width = 100%

#footer width = 100%





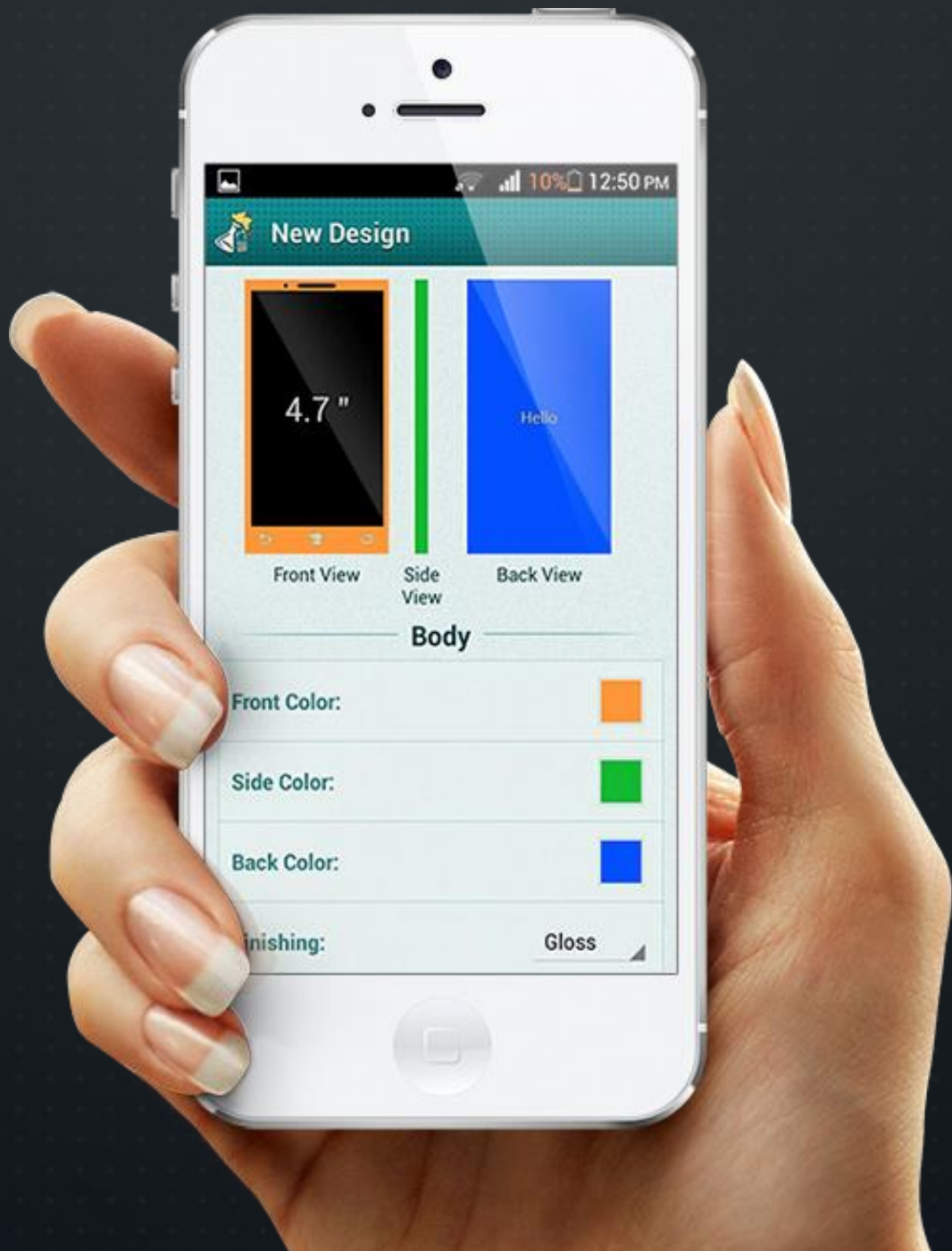
APP LAYOUT



Action Bar height = 50dp

ScrollView
width= fill_parent

Body padding = 10dp



10% 12:50 PM

New Design



Front View



Side View



Back View

Body

Front Color: ■

Side Color: ■

Back Color: ■

Finishing: Gloss

M-GOV

Welcome

Let's get started.
This will be an amazing experience.

Username

Password

Log In

New Account

M-GOV

Calendar

November 2010

SUN	MON	TUE	WED	THU	FRI	SAT
30	1	2	3	4	5	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

15th Dec
17th Dec
19th Dec

New Form Added.
New form was added to international visa renewal department for general public serving on-bus waiting purposes.

Your Visa Renewal Approved.
Your visa renewal form was approved by the ministry of interior. Now you can enjoy your stay.

Your Residency Renewal Rejected.
Your residency renewal form was not approved by the ministry of interior.

M-GOV

Profile



Name: Muhammud Obaidullah
Gender: Male

Passport No.: A856AH78
Date Issued: 22-September-2013
Date of Expiry: 24-November-2015

Nationality: Pakistani
Date of Birth: 8-September-1993
City of Birth: Lahore

Emirates ID No.: 102-567-5094
Visa Type: Residence
Date Issued: 09-January-2009

M-GOV

Ministry of Interior

Visa Renewal Form

First Name: _____

Last Name: _____

Passport No.: _____

Visa No.: _____

Nationality: _____

Emirates ID No.: _____

Visa Expiry Date: _____

M-GOV

Dependencies

Muhammed Obaidullah

Saeed Rashid

Mohammed Ali Sadi

Sifak Sultan

Amnah Rashid

Shihab Sultan

Fatima Rashid

Khadolph Rashid

Mactan Sultan

M-GOV

Services

Visa Renewal Form
Here there is some small explanation of the form and how to carry out the application process

Information About Form
Here there is some small explanation of the form and how to carry out the application process

Passport Renewal Form
Here there is some small explanation of the form and how to carry out the application process

Visa Renewal Form
Here there is some small explanation of the form and how to carry out the application process

Information About Form
Here there is some small explanation of the form and how to carry out the application process

Passport Renewal Form
Here there is some small explanation of the form and how to carry out the application process

DESIGN

M A T T E R S