

Assignment-1

This assignment is related to use of XML in android. There are several tasks which you need to implement in xml part to complete the Insagram App.

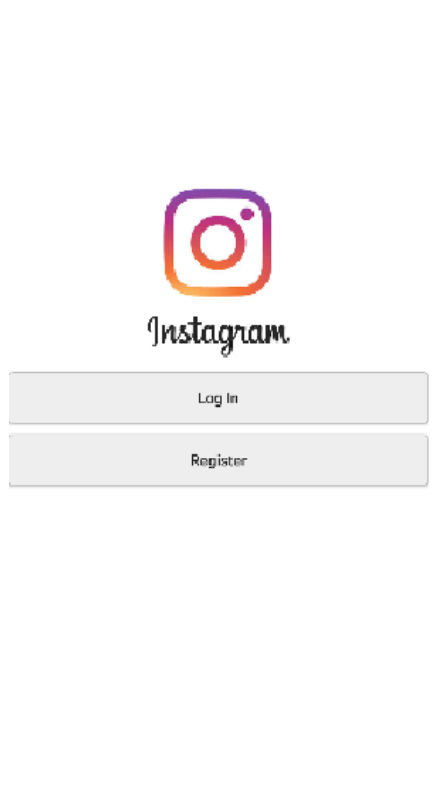
Q1. Creating Button background

Your task is to add properties to the shape object provide to you in xml file.

- Use solid element and change color to #eee
- Define radius as 5dp. (Select appropriate XML element for customizing corners)
- Make border color as grey and width as 1dp by choosing. (Select appropriate XML element)

Q2. Designing Start Layout

Given below is the image of how your screen will look when you will open your instagram app for the first time. Your task is to make this by modifying activity_start.xml file in layout folder in resources. Complete the sub tasks below to get your start activity done.



Sub Tasks:

The given layout has a parent layout as a relative layout. Add width and height attributes and match their value with screen size. Also, give the background color white.

There are two imageview given in the layout one is instagram logo and other is the image of instagram written in text format. Both of these images are centered with some specific properties given below.

Instagram logo properties

id : **iconImage** (*note: id is case sensitive do not mess with it and keep this as id only*)

Height = Width = 100dp

src : the image provided in mipmap folder with the name icon.

Instagram text-image properties

id : **logoImage** (*note: id is case sensitive do not mess with it and keep this as id only*)

Height = 50dp

Width = equivalent to screen

src : the image provided in mipmap folder with the name logo.

After images we have two buttons namely login and register. These buttons have width same as that of screen and height as “**wrap_content**”. The login button has id as “**loginButton**” and text as “**Log In**” while register button has id “**registerButton**” and text as “**Register**”.

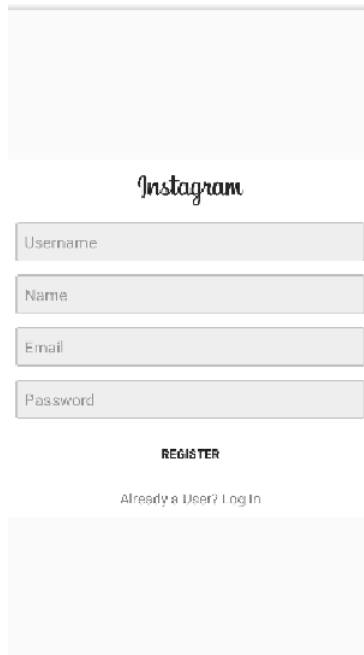
Add background as button background to both the buttons which you created in the above sub-tasks.

The space between all the four components is 10dp

Hint: You can choose a linear Layout to align them properly.

Q3. Designing Register Activity

Your 3rd Task is to create a registering activity in Instagram which will look something like this after completion. Complete the sub tasks below to get your register activity done.



The parent layout of register activity is Linear layout in which you need to add several xml attributes.

Set the layout width and height to match the image content.

Set the layout_gravity to center and gravity to center too.

Keep orientation as vertical, padding as 10dp and add white background to it.

After setting up the linear layout we will set the ImageView of Instagram which we did above in start activity. Follow the same sets of attribute and replicate it here.

Now it comes to 4 EditText fields whose properties are as follows:-

EditText 1:

id : **usernameField** (*note: id is case sensitive do not mess with it and keep this as id only*)

width: same as screen

height: 0dp

layout_weight : 1

hint="Username"

EditText 2:

id : **nameField** (*note: id is case sensitive do not mess with it and keep this as id only*)

width: same as screen

height: "wrap_content"

hint= "Name"

EditText 3:

id : **emailField** (*note: id is case sensitive do not mess with it and keep this as id only*)

width: same as screen

height: "wrap_content"

hint="Email"

EditText 4:

id : **passwordField** (*note: id is case sensitive do not mess with it and keep this as id only*)

width: same as screen

height: "wrap_content"

hint="Password"

There are several common properties which are as follows:

ems=10

inputType="textPersonName"

importantForAutofill="no"

The background will be set to editText_background which is present in drawable folder. Each EditText filed will have 10dp of padding and 15dp of top margin.

Then you need a button attribute whose id is "**registerButton2**", text as Register, top-margin as 15dp, textStyle as bold, width same as that of screen, height will be set to match parent and background as button_background.

The last view will be TextView of our project with id as "**loginUser**" , top margin 15dp, textSize as 16dp, text as "Already a user? Log In" and height & width as wrap content.