ANDROID TUTORIAL

How to create Tool BAR

1. create new Android project. Go to “res” and then move to “Values” and then double click on styles and change Action bar to No Action Bar.
2. In the “Res” folder click on the layout file and create a new Layout resource file. Give a name and select root element as android.support.v7.widget.Toolbar
3. Use ALT+CTRL+L to arrange
4. Height = Wrap content
5. Background color = select a color
6. Theme select a theme
7. Open activity XML and <Include layout <Layout name > and give an ID to it>
8. In activity Java program declare variables for TOOL android.support.v7.widget.Toolbar
9. The assing the activity XML tool Id by R.ID.activity tool id
10. Then setSupportActionBar(assigned variable name)
11. YOUR NEW TOOL BAR CREATED

How to Create Menu Item

onCreateOptionsMenu

1. Click res file and create new android resource file and select “menu” as resource type
2. Cick on the created ” menu “ folder and create new “menu resource file”
3. Use ALT+CTRL+L to arrange
4. Add item<item then “title”🡪 then ID-🡪show asAction-never or always
5. For search item add always|collapseactionview and also add app:actionProviderClass= android.support.v7.widget.SearchView and create an Id
6. In java file Generate anOverride method OnCreateOptionsMenu and give below information

MenuInflater menuinflater= getMenuInflater();

Menuinflater.inflate(R.MENU.menu name,menu)

MenuItem menuitem=menu.getItem(R.Id.SEARCHID)// ONLY FOR SEARCH

SearchView searchview=menuitem. getActionView

searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener()

onOptionsItemSelected

public boolean onOptionsItemSelected(MenuItem item) {  
 super.onOptionsItemSelected(item);  
 switch (item.getItemId())  
 {  
 case R.id.main\_logout\_btn:  
 FirebaseAuth.getInstance().signOut();  
 send\_to\_start();  
 return true;  
 case R.id.main\_account\_setting\_btn:  
 Intent setting\_intent=new Intent(MainActivity.this,SettingActivity.class);  
 startActivity(setting\_intent);  
 return true;  
 case R.id.main\_alluser\_btn:  
 return true;  
 default:  
 return super.onOptionsItemSelected(item);  
 }

How to Create RecyclerView

1. Create a Model Class

Declare variables and create constructor and getter and setter

1. Create Adapter Cass

For example name it as Recycler extends Adapter<>

1. Create a static inner class and name it as View\_Holder and extent it to Recycler view toViewHolder
2. And in the<> fll it with adapter.View\_holder created

private TextView Item\_Name,Item\_Description, Item\_Cost;  
private ImageView Item\_Image;  
private CardView card\_view;  
 public View\_Holder(@NonNull View view) {  
 super(view);  
 Item\_Image=view.findViewById(R.id.image\_display);  
 Item\_Name=view.findViewById(R.id.item\_name);  
 Item\_Description=view.findViewById(R.id.item\_decription);  
 Item\_Cost=view.findViewById(R.id.item\_price);  
  
 card\_view=view.findViewById(R.id.card\_view);  
 }  
}

1. Three medthods will be generated
2. On Oncreate View Holder. Inflate the graphical Template

Graphical Template(Linear layout 🡪vertical or horizontal put the textview card view imageand make a template

View view= layoutmanager.from(parent.getcontect).inflate(r.layout.templatename, parent, false)

View\_Holder viewholder-=new View\_holder(view);

Return viewholder

1. On bindviewholder

Template grahic items are assigned values form holder.posistion for example

final Products products=mProducts.get(i);  
holder.Item\_Name.setText(products.getItem\_name());  
holder.Item\_Description.setText(products.getItem\_description());

1. public int getItemCount() {  
    return mProducts.size();  
   }

On Main Activity

1) create variables for Recyclyer\_view and then for Adapter

2) Recycler view to findview by id for a main activity Recicyler view @id

3) recyclerview to set layout manager to linear layout manager and set “this”

4) create object for adapter

5) recycler to set adapter -🡪 object name of the adapter

How to Create TabView with Fragments

1. Create new tool bar
2. Create three fragment and name it as Fragment A,FragmentB ,FragmentC
3. Import Card view library , Design Libarary, Recycler view Libarary
4. Then open Activity.xmll
5. Create the include layout for the tool bar and menation an ID for it
6. Create an AppBarLaout it is in Design Library layout
7. Move the tool bar to it
8. Inside the AppBarlayout create a TabLayout and give an ID to it and close the AppBar Layout
9. Outside the AppBar layout create an View Pager with an ID
10. Declare view pager and Tablayout in java file
11. And find the id with Findview by Id
12. Create a page\_adaptor c;ass and Extend to FragmnetpagerAdaptor
13. Two methods generated
14. switch (posistion)  
     {  
     case 0:  
     RequestFragment requestFragment=new RequestFragment();  
     return requestFragment;  
     case 1:  
     ChatFragment chatFragment=new ChatFragment();  
     return chatFragment;  
     case 2:  
     FriendsFragment friendsFragment=new FriendsFragment();  
     return friendsFragment;  
     default:  
     return null;  
     }  
      
      
    }  
      
    @Override  
    public int getCount() {  
     return 3;  
    }  
      
    public CharSequence getPageTitle(int posistion)  
    {  
     switch (posistion)  
     {  
     case 0:  
     return "Requests";  
     case 1:  
     return "Chats";  
     case 2:  
     return "Friends";  
     default:  
     return null;  
     }
15. create other over ride method getPageTitle

ublic CharSequence getPageTitle(int posistion)  
{  
 switch (posistion)  
 {  
 case 0:  
 return "Requests";  
 case 1:  
 return "Chats";  
 case 2:  
 return "Friends";  
 default:  
 return null;  
 }  
  
}

1. create object for adapter
2. add the adpter to mViewPager
3. mTablayout.setupWithViewPager(mViewPager);

How to Add/Replace Fragments in run time

Check for conainer null

If(R.ID.conteiner==null)

{

If(savedinstance==nul)

{

return

}

}

1. Create variabes for public static Fragment manager and Fragment Transaction
2. Fragmentmanager=begintransaction;
3. Fragmenttranscation.add(R.ID.containername), new Fragmentpage object,null).addtobackstack.commit
4. For replacing
5. Fragmentmanager.Fragmenttranscation.replace(R.ID.containername), new Fragmentpage object,null).addtobackstack.commit