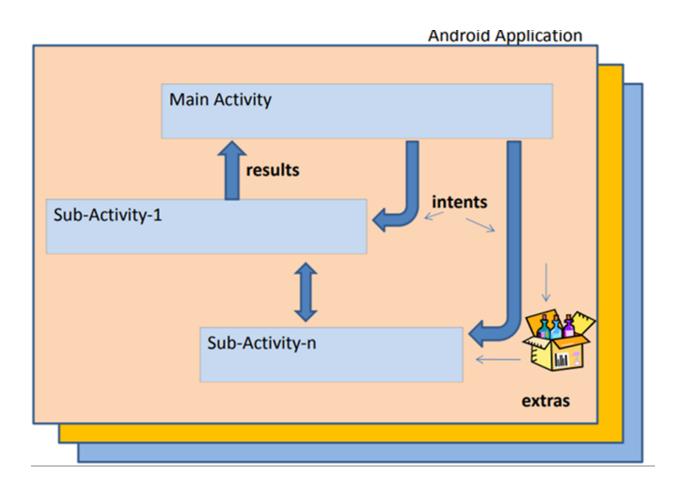
Intent là tin nhữn không đũng bữ cho phép thành phữn yêu cữu chức năng từ thành phữn khác

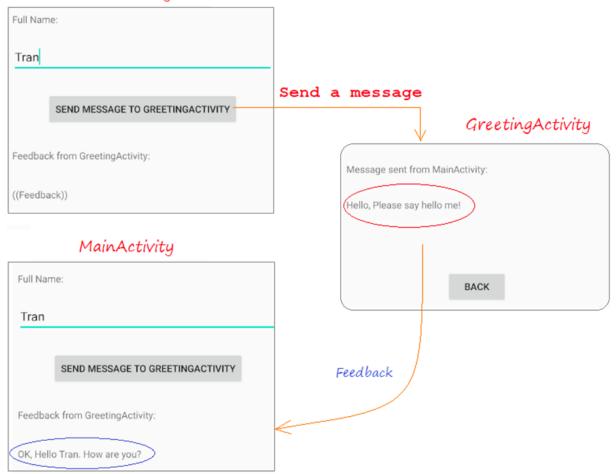
- Būt đūu mūt Activity
- Blt dlu mlt Activity con
- Bit điu mit dich vi (service)

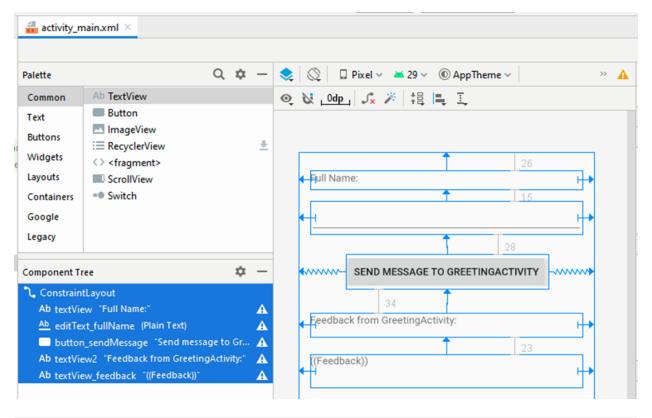


## Các lo i Intent

Intent tiling minh (explicit Intent)

# MainActivity

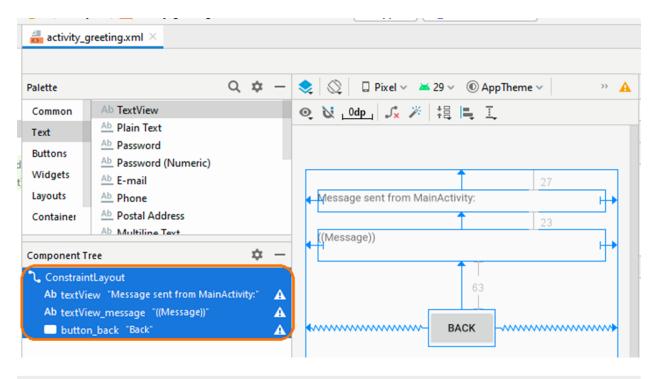




```
private ActivityMainBinding binding;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        binding = ActivityMainBinding.inflate(getLayoutInflater());
        setContentView(binding.getRoot());
        Button btnSendMessage = binding.btnSend;
       btnSendMessage.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View view) {
                sendMessage();
       });
   }
   private void sendMessage() {
        String fullName = binding.etFullName.getText().toString();
       String message = "Hello, please say hello to me!";
        Intent intent = new Intent(this, GreetingActivity.class);
       intent.putExtra("fullName", fullName);
        intent.putExtra("message", message);
       //Khoi dong activity ma khong can feedback
       // this.startActivity(intent);
       //Khoi dong activity va lay feedback
       this.startActivityForResult(intent, 1);
   }
   @Override
   protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
       super.onActivityResult(requestCode, resultCode, data);
        if(resultCode == Activity.RESULT_OK && requestCode == 1){
```

```
String feedback = data.getStringExtra("feedback");
  binding.tvFeedback.setText(feedback);
}else{
  binding.tvFeedback.setText("!?");
}
```

• Thiat ka giao dian cho GreetingActivity



```
public class GreetingActivity extends AppCompatActivity {
   ActivityGreetingBinding binding;
   String fullName, message;
   @Override
   protected void on Create (Bundle saved Instance State) {
       super.onCreate(savedInstanceState);
       binding = ActivityGreetingBinding.inflate(getLayoutInflater());
       setContentView(binding.getRoot());
       binding.btnBack.setOnClickListener(new View.OnClickListener() {
           public void onClick(View view) {
                goBack();
       });
        //Intent is passed into
       Intent intent = this.getIntent();
       this.fullName = intent.getStringExtra("fullName");
       this.message = intent.getStringExtra("message");
       binding.tvMessage.setText(this.message);
   private void goBack() {
       this.onBackPressed();
```

```
@Override
public void finish() {
    //Prepare data intent
    Intent data = new Intent();
    String feedback = "OK, Hello "+this.fullName + ". How are you?";
    data.putExtra("feedback", feedback);

    //Activity finished ok, return the data
    this.setResult(Activity.RESULT_OK,data);
    super.finish();
}
```

### **B**| I | c Intent (Intent Filter)

Intent Filter là bil lic Intent, chil cho nhiling Intent đilic phép đi qua nó

## Intent không tong minh/ngom đonh (Implicit Intent)

Intent đũc gũi bũng các tuỳ chín sau:

startActivity (intent)	Khởi chạy một Activity
sendBroadcast (intent)	Gửi intent đến BroadcastReceiver
startService(intent) hoặc bindService(intent,)	Kết nối với một Service chạy ngầm

Các tham si chính cia Implicit Intent là

Action: các action dling slin nhll ACTION\_VIEW, ACTION\_EDIT, ACTION\_MAIN

Data: Di lilu chính đi holt đing, ching hin nhi si điln tholi đilo gii (đilo bilu thi bing Uri)



#### 1. Các ví d v Action/data:

ACTION_DIAL	tel:123	
Hiển thị trình quay số điện thoại với số 123 được điền sẵn		
ACTION_VIEW	https://www.google.com/	
Hiến thị trang Google trong chế độ xem trình duyệt		
ACTION_EDIT	content://contacts/people/2	
Chỉnh sửa thông tin về người có số nhận dạng là "2"		
ACTION_VIEW	content://contacts/people/2	
Được sử dụng để bắt đầu một activity để hiển thị thông tin người thứ 2.		
ACTION_VIEW	content://contacts/ people/	
Hiển thị danh bạ điện thoại		

#### 2. Danh sách các action dlng sln

ACTION\_MAIN ACTION\_VIEW ACTION\_ATTACH\_DATA ACTION\_EDIT ACTION\_PICK ACTION\_CHOOSER ACTION\_GET\_CONTENT

**ACTION DIAL** 

ACTION\_ANSWER

ACTION\_INSERT

ACTION\_DELETE

ACTION\_RUN ACTION\_SYNC ACTION\_PICK\_ACTIVITY ACTION\_SEARCH ACTION WEB SEARCH ACTION\_DIAL ACTION\_CALL ACTION\_SEND ACTION\_SENDTO ACTION\_WEB\_SEARCH ACTION\_FACTORY\_TEST

ví d□ code v□ các actions

```
binding.btnAction.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        PopupMenu popupMenu = new PopupMenu(MainActivity2.this,binding.btnAction);
}
```

```
popupMenu.inflate(R.menu.layout_popup_menu);
popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
   public boolean onMenuItemClick(MenuItem menuItem) {
       Intent intent;
        switch(menuItem.getItemId()){
            case R.id.miDial:
                intent = new Intent(Intent.ACTION_DIAL,Uri.parse("tel:555-1234"));
                startActivity(intent);
                break;
            case R.id.miWebSearch:
                intent = new Intent(Intent.ACTION_WEB_SEARCH);
                intent.putExtra(SearchManager.QUERY, "straight hitting golf clubs");
                startActivity(intent);
                break;
            case R.id.miSend:
                //TD o mD t intent vD i hành dD ng Action_send và loD i dD liDu (data type) là text/plain
                intent = new Intent();
                intent.setAction(Intent.ACTION_SEND);
                intent.setType("text/plain");
                // Đũt dũ liữu (data) cho Intent
                intent.putExtra(Intent.EXTRA_TEXT, "Hello, this is the message.");
                // Đũt danh mũc (categoryu) cho Intent
                intent.addCategory(Intent.CATEGORY_DEFAULT);
                // Đũt thành phùn (component) cho Intent
                intent.set Component (new \ Component Name ("com.example.myapplication",
                        "com.example.myapplication.GreetingActivity"));
                startActivity(intent);
                break:
            case R.id.miMessage:
                intent = new Intent(Intent.ACTION_SENDTO, Uri.parse("sms:5551234"));
                intent.putExtra("sms body", "are we playing golf next Saturday");
                startActivity(intent);
                break:
            case R.id.miPictures:
                intent = new Intent();
                intent.setType("image/pictures/*");
                intent.setAction(Intent.ACTION_GET_CONTENT);
                startActivity(intent);
                break;
            case R.id.miContacts:
                String myData = "content://contacts/people/";
                intent = new Intent(Intent.ACTION_VIEW,
                        Uri.parse(myData));
                startActivity(intent);
                break;
            case R.id.miContactsId:
                String myData2 = "content://contacts/people/8";
                intent = new Intent(Intent.ACTION_VIEW, Uri.parse(myData2));
                startActivity(intent);
                break;
            case R.id.miEditContact:
                String myData3 = "content://contacts/people/8";
                intent = new Intent(Intent.ACTION_EDIT,Uri.parse(myData3));
                startActivity(intent);
                break;
            case R.id.miMapAddress:
               intent = new Intent(Intent.ACTION_VIEW,
                        Uri.parse("geo:0,0?q=1860+east+18th+street+cleveland+oh"));
                startActivity(intent);
                break:
            case R.id.miMapCoordinates:
               intent = new Intent(Intent.ACTION_VIEW,
                        Uri.parse("geo:41.5020952, -81.6789717"));
                startActivity(intent);
```

```
break;
    case R.id.miMusic:
        intent = new Intent("android.intent.action.MUSIC_PLAYER");
        startActivity(intent);
        break;
    }
    return true;
    }
});

popupMenu.show();
}
```