1. Intent Explicit (Intent tường minh)

New -> Activity -> Empty Activity -> SecondActivity

Intent intent = new Intent(MainActivity.this,SecondActivity.class);

startActivity(intent);

2.Activity Lifecycle – Function

onCreate():void

onStart():void

onRestart():void

onResume():void

onPause():void

onStop():void

onDestroy():void

3. Intent Explicit Truyền và nhận chuỗi

**New -> Activity -> Empty Activity -> SecondActivity**

**MainActivity.java**

Button btnSend = findViewById(…);

btnSend.setOnClickListener(new OnClick…){

Intent intent = new Intent(MainActivity.this,SecondActivity.class);

Intent.putExtra(“dulieu”,”Nội Dung”);

startActivity(intent);

}

**SecondActivity.java**

TextView txtResult;

onCreate(){

AddControls(); -> txtResult = findViewById(…);

Intent intent = getIntent();

String noidung = intent.getStringExtra(“dulieu”);

txtResult.setText(noidung);

}

**4. Intent Explicit Truyền và nhận số**

**New -> Activity -> Empty Activity -> SecondActivity**

**MainActivity.java**

Button btnSend = findViewById(…);

btnSend.setOnClickListener(new OnClick…){

Intent intent = new Intent(MainActivity.this,SecondActivity.class);

Intent.putExtra(“dulieu”,100);

startActivity(intent);

}

**SecondActivity.java**

TextView txtResult;

onCreate(){

AddControls(); -> txtResult = findViewById(…);

Intent intent = getIntent();

int noidung = intent.getIntExtra(“dulieu”,12345); // defaultValue = 12345

txtResult.setText(noidung + “”);

}

5. Intent Explicit Truyền và nhận mảng

**New -> Activity -> Empty Activity -> SecondActivity**

**MainActivity.java**

Button btnSend = findViewById(…);

btnSend.setOnClickListener(new OnClick…){

Intent intent = new Intent(MainActivity.this,SecondActivity.class);

String[] arrayCourse = {“IOS”,”C#”,”PHP”};

Intent.putExtra(“dulieu”, arrayCourse);

startActivity(intent);

}

**SecondActivity.java**

TextView txtResult;

onCreate(){

AddControls(); -> txtResult = findViewById(…);

Intent intent = getIntent();

String[] arrayMonHoc = intent.getStringArrayExtra(“dulieu”);

txtResult.setText(arrayMonHoc[0]);

}

6. Intent Explicit Truyền và nhận đối tượng

New -> Java Class -> Tại Class HocSinh implements Serializable -> private String HoTen – int NamSinh;

**MainActivity.java**

HocSinh hocSinh = new HocSinh(“Name”,1996);

Intent.putExtra(“dulieu”,hocSinh);

**SecondActivity.java**

Intent intent = getIntent();

HocSinh hocSinh = intent.getSerializableExtra(“dulieu”) -> Cast to…

txtResult.setText(hocSinh.getHoTen() + “ - ” hocSinh.getNamSinh());

# 7.  Intent Explicit Truyền và nhận Bundle

# MainActivity

# Bundle bundle = new Budle();

# String[] arrayName = {“HCM”,”HN”,”ĐN”};

# HocSinh hocSinh = new HocSinh(“XuanHa”,1996);

# Bundle.putString(“ten”,”XuanHa”);

# Bundle.putInt(“So”,”1996”);

# Bundle.putStringArray(“arrayName”,arrayName);

# Bunble.putSerializable(“Object”,hocSinh);

# Intent.putExtra(“dulieu”,bundle);

# SecondActivity

# Intent intent = getIntent();

# Bundle bundle = intent.getBundleExtra(“dulieu”);

# If(bundle != null){

# String name = bundle.getString(“ten”);

# Int num = bundle.getInt(“So”,1996); // 1996 = giá trị mặc định

# String[] array = bundle.getStringArray(“arrayName”);

# HocSinh hocSinh = bundle.getSerializable(“Object”);

# txtResult.setText(name + num + array[0] + hocSinh.getHoTen());

# }

# 8. Intent Implicit với ACTION VIEW

# Res -> drawable -> chrome.png

# Add ImageView -> activity\_main.xml

# MainActivity.java

# AddControls(); -> ImageView imgBrowser;

# imgBrowser.setOnClickListener(new OnClick…){

# Intent intent = new Intent();

# Intent.setAction(Intent.ACTION\_VIEW);

# Intent.setData(Uri.parse(“http://google.com”)); -> Alt + Enter -> Wrap using “Uri.parse”

# startActivity(intent);

# }

# 9. Intent Implicit với ACTION SENDTO

# Res -> drawable -> messenger.png

# Add ImageView -> activity\_main.xml

# MainActivity.java

AddControls(); -> ImageView imgMessenger;

imgMessenger.setOnClickListener(new OnClick…){

# Intent intent = new Intent();

# Intent.setAction(Intent.ACTION\_SENDTO);

# Intent .putExtra(“sms\_body”,”Nội dung cần gửi”) // sms\_body là mặc định

# Intent.setData(Uri.parse(“sms:0972794074”)); -> Alt + Enter -> Wrap using “Uri.parse”

# startActivity(intent);

# }

# 10. Intent Implicit với ACTION CALL

# Res -> drawable -> call.png

# Add ImageView -> activity\_main.xml

# MainActivity.java

AddControls(); -> ImageView imgMessenger;

imgMessenger.setOnClickListener(new OnClick…){

# Intent intent = new Intent();

# Intent.setAction(Intent.ACTION\_CALL);

# Intent .putExtra(“sms\_body”,”Nội dung cần gửi”) // sms\_body là mặc định

# Intent.setData(Uri.parse(“tel:0972794074”)); -> Alt + Enter -> Wrap using “Uri.parse”

# startActivity(intent);

# }

# Android Manifests -> <user-permission android:name=”android.permission.CALL\_PHONE”/>

# <application

# …

# />

11. Intent Data Result

Creates EditActivity.java

# MainActivity.java

# Int REQUEST\_CODE = 123;

# Button btnEdit;

# TextView txtName;

# BtnEdit.setOnClick..(new …){

# Intent intent = new Intent(MainActivity.this,EditActivity.class);

# startActivityForResult(intent, REQUEST\_CODE);

# }

# EditActivity

# Button btnConfirm;

# EditText edtName;

# BtnConfirm.setOnClick..(new …){

# String name\_new = edtName.getText().toString();

# Intent intent = new Intent();

# Intent.putExtra(“newname”,name\_new);

# setResult(RESULT\_OK,intent);

# finish();

# }

# MainActivity.java

# onCreate(…){

# }

# onActivityResult(int requestCode, int resultCode, Intent data){

# if(requestCode == REQUEST\_CODE && resultCode == RESULT\_OK && data != null){

# String name = data.getStringExtra(“newname”);

# txtName.setText(name);

# }

# }

# 12. Intent Camera + Intent Camera Runtime Permission API 23( > Android 6.0)

# Res -> drawable -> camera.png

# Add ImageView, Button -> activity\_main.xml

# MainActivity.java

# int REQUEST\_CODE\_CAMERA=113;

# onCreate(…){

AddControls(); -> ImageView imgCamera; Button btnCamera;

btnCamera.setOnClickListener(new OnClick…){

// Intent Camera

# Intent intent = new Intent(MediaStore.ACTION\_IMAGE\_CAPTURE);

# startActivityForResult(intent, REQUEST\_CODE\_CAMERA);

# // Intent Camera Runtime Permission API 23

# ActivityCompat.requestPermission(MainActivity.this,

# new String[]{android.Manifest.permission.CAMERA},

# REQUEST\_CODE\_CAMERA);

# // ======================================================================

# }

# }

# onActivityResult(int requestCode, int resultCode, Intent data){

# if(requestCode == REQUEST\_CODE\_CAMERA && resultCode == RESULT\_OK && data != null){

# Bitmap bitmap = (Bitmap) data.getExtras().get(“data”); // “data” là mặc định

# imgCamera.setImageBitmap(bitmap);

# }

# }

# // Intent Camera Runtime Permission API 23

# Android Manifests -> <user-permission android:name=”android.permission.CAMERA”/>

# <application

# …

# />

# MainActivity.java

# onRequestPermissionResult(int requestCode, @NonNull String[] permission, @NonNull int[] grantResults){

# if(requestCode == REQUEST\_CODE\_CAMERA && grantResults.length > 0 && grantResults[0] == PERMISSION\_GRANTED){

# Intent intent = new Intent(MediaStore.ACTION\_IMAGE\_CAPTURE);

# startActivityForResult(intent, REQUEST\_CODE\_CAMERA);

# }

# Else{

# Toast.makeText(…);

# }

# }