

Android Sharepreference

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sharepreference

1. ה-sharepreference מאפשר לנו לשמר מידע בקובץ בשיטת key value
2. כל ה-activities יכולים לקרוא מקובץ זה
3. שינוי ה-preference חייב להיעשות ע"י
SharedPreferences.Editor
4. ירושה מה-activity נותנת לנו את האפשרות לקרוא
ל- getSharedPreferences

1 אגוד

```
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    et=(EditText) findViewById(R.id.editText1);
    btnsave=(Button) findViewById(R.id.button1);

    SharedPreferences sp=getSharedPreferences("details", 0);
    et.setText(sp.getString("fname", ""));//"" is default
    btnsave.setOnClickListener(this);
}
```

דוגמא 1-שמירה לקובץ

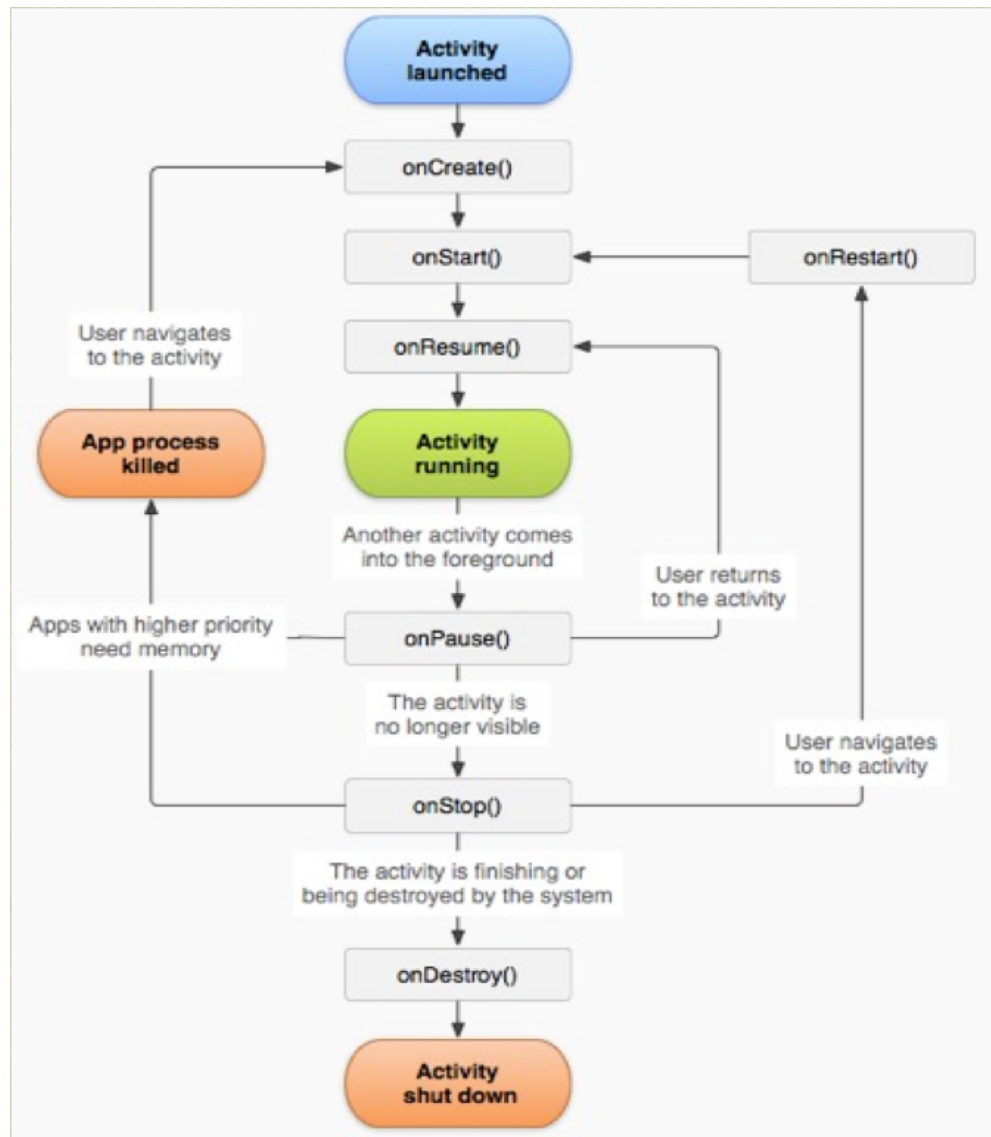
```
@Override
public void onClick(View arg0) {
    // TODO Auto-generated method stub
    SharedPreferences sp =getSharedPreferences("details", 0);
    Editor edit= sp.edit();
    edit.putString("fname", et.getText().toString());

    edit.commit();
    Intent i=new Intent(this,Second.class);
    startActivity(i);
}
```

דוגמא 1-קריאה מקובץ ממסך אחר

```
public class Second extends Activity {  
  
    @Override  
    public void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_second);  
        TextView tv=(TextView) findViewById(R.id.textView1);  
        SharedPreferences sp=getSharedPreferences("details",0);  
        tv.setText(sp.getString("fname", ""));  
  
    }  
}
```

מחזור החיים של אפליקציה



Activity life cycle

- onCreate()
- onResume()
- Running
- onPause()
- onDestroy()
- onStart() before onCreate
- onStop() before onDestroy()

onPause()

The system calls this method as the first indication that the user is leaving your activity (though it does not always mean the activity is being destroyed). This is usually where you should commit any changes that should be persisted beyond the current user session (because the user might not come back).

protected void onResume ()

Called after `onRestoreInstanceState(Bundle)`, `onRestart()`, or `onPause()`, for your activity to start interacting with the user. This is a good place to begin animations, open exclusive-access devices (such as the camera), etc.

protected void onStop ()

Called when you are no longer visible to the user. You will next receive either `onRestart()`, `onDestroy()`, or nothing, depending on later user activity. Note that this method may never be called, in low memory situations where the system does not have enough memory to keep your activity's process running after its `onPause()` method is called.

`protected void onDestroy ()`

Perform any final cleanup before an activity is destroyed. This can happen either because the activity is finishing (someone called `finish()` on it, or because the system is temporarily destroying this instance of the activity to save space. You can distinguish between these two scenarios with the `isFinishing()` method.

public boolean isFinishing ()

Check to see whether this activity is in the process of finishing, either because you called finish() on it or someone else has requested that it finished. This is often used in onPause() to determine whether the activity is simply pausing or completely finishing.

Returns1 If the activity is finishing, returns true; else returns false.

public void finish ()

Call this when your activity is done and should be closed. The `ActivityResult` is propagated back to whoever launched you via `onActivityResult()`.

דוגמא

```
public class MainActivity extends Activity {  
    ImageView iv;  
    Button btn;  
    AnimationDrawable anim;  
  
    @Override  
    public void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        iv=(ImageView) findViewById(R.id.imageButton1);  
        btn=(Button) findViewById(R.id.button1);  
        Log.d("Asaf", "app was create");  
        btn.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                Log.d("Asaf", "button was clicked");  
            }  
        });  
    }  
}
```

```
@Override  
protected void onPause() {  
    // TODO Auto-generated method stub  
    super.onPause();  
    Log.d("Asaf", "app was stopped");  
    anim.stop();  
}  
  
@Override  
protected void onResume() {  
    // TODO Auto-generated method stub  
    Log.d("Asaf", "app was Resume");  
    super.onResume();  
}  
  
@Override  
protected void onStart() {  
    // TODO Auto-generated method stub  
    super.onStart();  
    Log.d("Asaf", "app was start");  
}  
  
@Override  
protected void onStop() {  
    // TODO Auto-generated method stub  
    super.onStop();  
    Log.d("Asaf", "app was stop");  
    anim.stop();  
}
```

לוגים

08-14	10:47:31.981	1257	1257	il.co.appschool.www Asaf	app was create
08-14	10:47:31.981	1257	1257	il.co.appschool.www Asaf	app was start
08-14	10:47:31.981	1257	1257	il.co.appschool.www Asaf	app was Resume
08-14	10:47:47.011	1257	1257	il.co.appschool.www Asaf	button was clicked
08-14	10:48:54.441	1257	1257	il.co.appschool.www Asaf	button was clicked

יום ללא תכנות הוא יום מבוזבז!