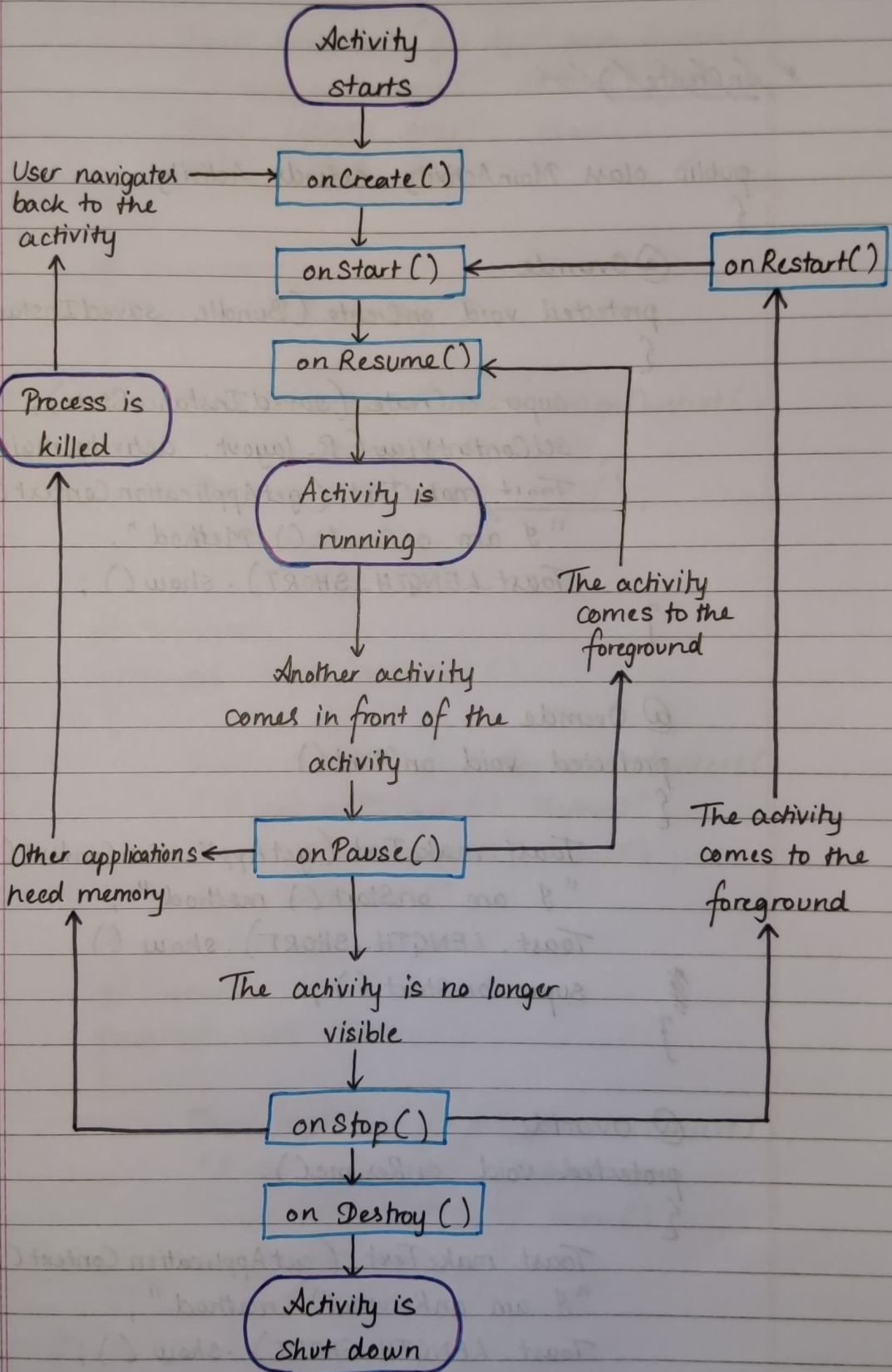


Q3. Activity Life Cycle

- Involves the steps an app goes through from start to finish
- Each app runs its own process
- Each activity of an app is run in the app's process
- Processes are started and stopped as needed to run the ^{an app's} application components
- Processes may be killed to reclaim needed resources
- Killed apps may be restored to their last state when requested by user
- Management of life cycle is done automatically by the system * via the activity stack
- The activity class has the following method callbacks to help you manage the app →
 - onCreate()
 - onStart()
 - onResume()
 - onPause()
 - onStop()
 - onRestart()
 - onDestroy()



★ Example Code →★ onCreate() ★

```
public class MainActivity extends Activity
{
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(getApplicationContext(),
            "I am onCreate() Method",
            Toast.LENGTH_SHORT).show();
    }
}
```

```
@Override
protected void onStart()
{
    Toast.makeText(getApplicationContext(),
        "I am onStart() method",
        Toast.LENGTH_SHORT).show();
    super.onStart();
}
}
```

```
@Override
protected void onResume()
{
    Toast.makeText(getApplicationContext(),
        "I am onResume() method",
        Toast.LENGTH_SHORT).show();
    super.onResume();
}
}
```


@ Override

```
protected void onPause()  
{  
    Toast.makeText(getApplicationContext(),  
        "I am onResume() Method",  
        Toast.LENGTH_SHORT).show();  
    super.onPause();  
}
```

@ Override

```
protected void onStop()  
{  
    Toast.makeText(getApplicationContext(),  
        "I am onStop() Method",  
        Toast.LENGTH_SHORT).show();  
    super.onStop();  
}
```

@ Override

```
protected void onRestart()  
{  
    Toast.makeText(getApplicationContext(),  
        "I am onRestart() Method",  
        Toast.LENGTH_SHORT).show();  
    super.onRestart();  
}
```

@ Override

```
protected void Destroy()  
{  
    Toast.makeText(getApplicationContext(),  
        "I am onDestroy() Method",  
        Toast.LENGTH_SHORT).show();  
    super.onDestroy();  
}
```