



Creating Fragments in Java

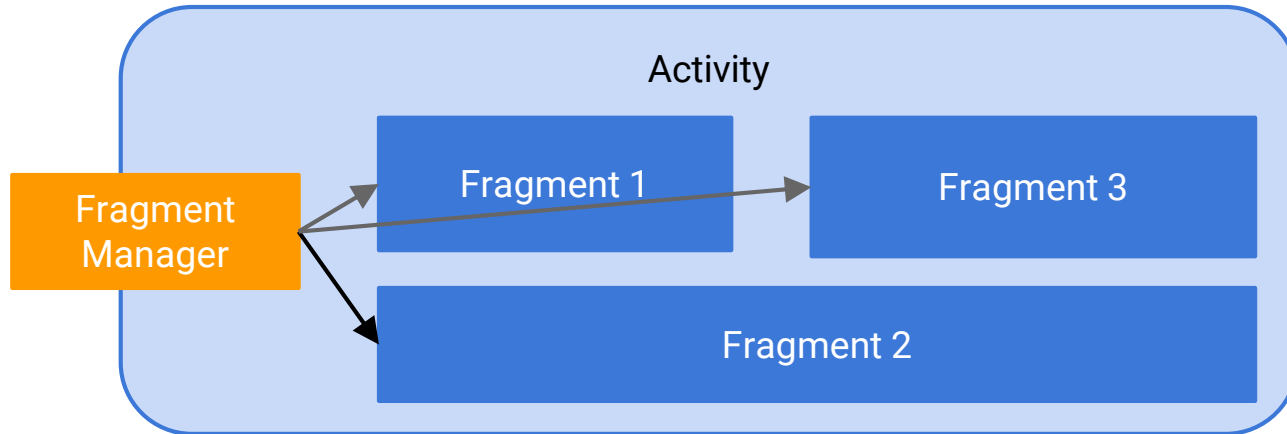
Fragment
Fundamentals

The Fragment Manager

Every Activity has its own Fragment Manager accessible through `getFragmentManager()` or `getSupportFragmentManager()`.

It maintains references to all fragments inside the Activity.

Use `findFragmentById()` or `findFragmentByTag()` to get reference to a particular Fragment.



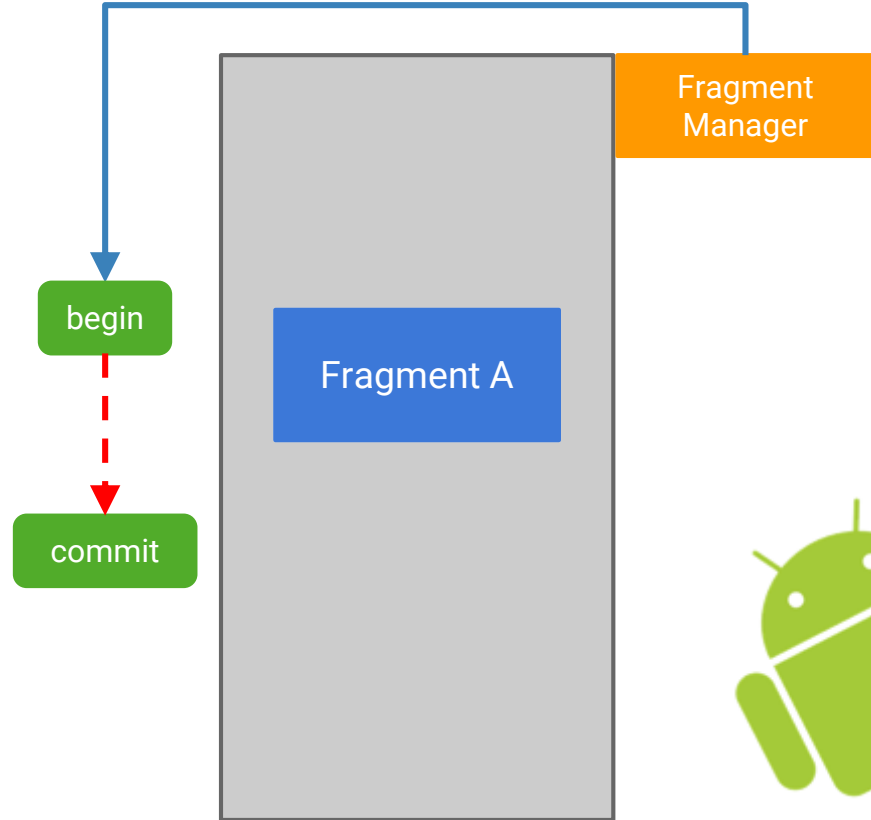
The Fragment Transactions

Changes to the UI in terms of adding, removing and replacing Fragments are conducted as **FragmentTransactions**.

Begin a transaction

Add, remove, replace whatever fragments you want.

Commit transaction.



How to make a Fragment?

Create a class that extends Fragment.

Create a separate layout file or Java objects that contain the appearance.

Use the onCreateView method to link its appearance.

Get a reference to `FragmentManager`.

Begin a transaction by calling `beginTransaction()`.

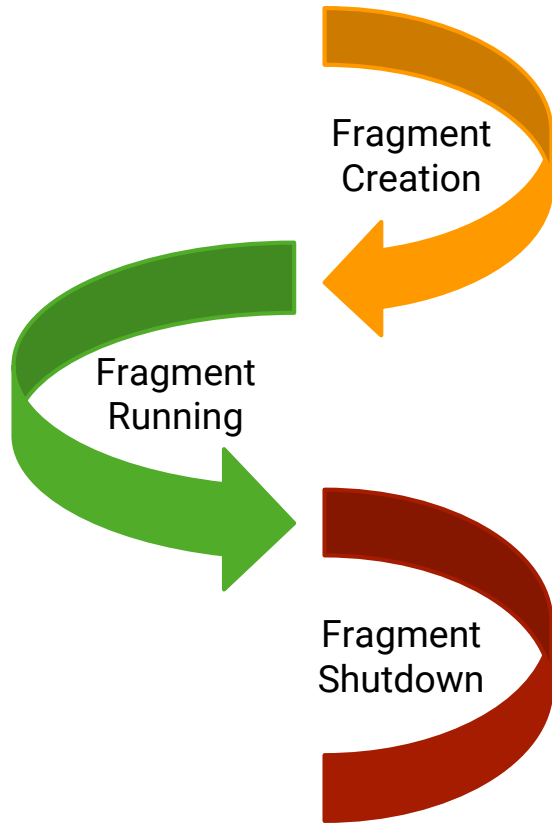
Call the `add()` method on the transaction.

Commit the transaction.

```
MyFragment frag = new MyFragment();  
FragmentManager manager = getSupportFragmentManager();  
FragmentTransaction transaction = manager.beginTransaction();  
transaction.add(R.id.my_layout, frag, "FRAGMENT_TAG");  
transaction.commit();
```



Fragment Creation



NOTE:

- You can perform add, replace, remove on multiple Fragments together and all those statements between `transaction.begin()` and `transaction.commit()` will be considered as a single transaction.
- When adding Fragments in Java, the width and height values are taken into consideration for dimensioning.



