Android Development



Navigate

```
viewTransactionsButton.setOnClickListener { view ->
   view.findNavController().navigate(R.id.viewTransactionsAction)
}
```

Pass Data

- Bundle
- SafeArgs

Bundle

```
viewTransactionsButton.setOnClickListener { view ->
  val bundle = Bundle()
  // put data
  view.findNavController().navigate(R.id.viewTransactionsAction, bundle)
}
```

Safe Args

```
buildscript {
  repositories {
    google()
  }
  dependencies {
    val nav_version = "2.5.0"
    classpath("androidx.navigation:navigation-safe-args-gradle-plugin:$nav_version")
  }
}

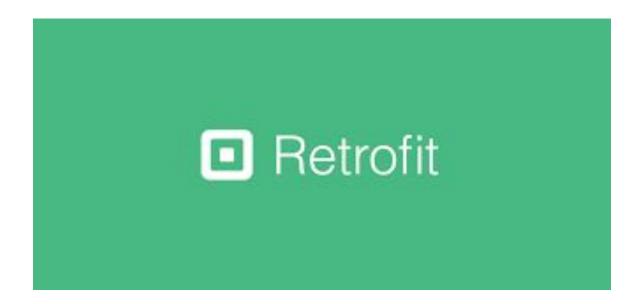
plugins {
  id("androidx.navigation.safeargs.kotlin")
```

Origin Fragment

val action = OriginFragmentDirections.confirmationAction(valueToPass)
v.findNavController().navigate(action)

Destination Fragment

val args: FragmentArgs by navArgs()



https://square.github.io/retrofit/

GET POST API requests Retrofit PUT DELETE

Libraries

Permissions

Retrofit Instance

Retrofit Service (Interface)

Response callback

API REQUEST

Libraries

implementation 'com.squareup.retrofit2:retrofit:2.9.0'

implementation 'com.squareup.retrofit2:converter-gson:2.9.0'

implementation "com.squareup.okhttp3:okhttp:4.9.0"

Permissions

<uses-permission android:name="android.permission.INTERNET"/>

```
Interface
 Retrofit Service
                              @GET("endpoint")
                              fun yourFunction():Call<T>
                            object :Callback<T>{
Response callback
                              override fun onResponse(call: Call<T>, response: Response<T>) {
                                if (response.isSuccessful){
                              override fun onFailure(call: Call<T>, t: Throwable) {
```

URL Manipulation

```
@GET("list/{id}/userDetail")
fun groupList(@Path("id") int userld):Call<List<User>>
```

@POST("users/new")
fun createUser(@Body User user):Call<User>

@GET("Search")
fun getProducts(@Query("one") String one, @Query("two") String two, @Query("key") String key):Call<Products>
//https://api.test.com/Search?one=Whatever&two=here&key=SFSDF24242353434