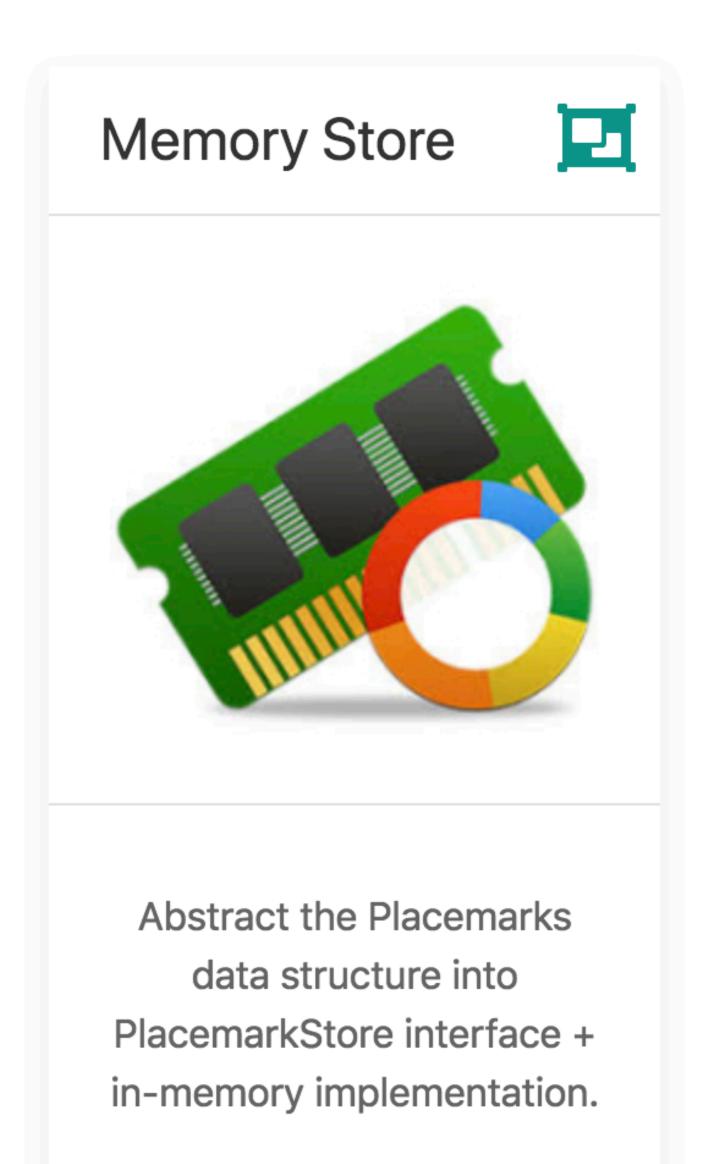
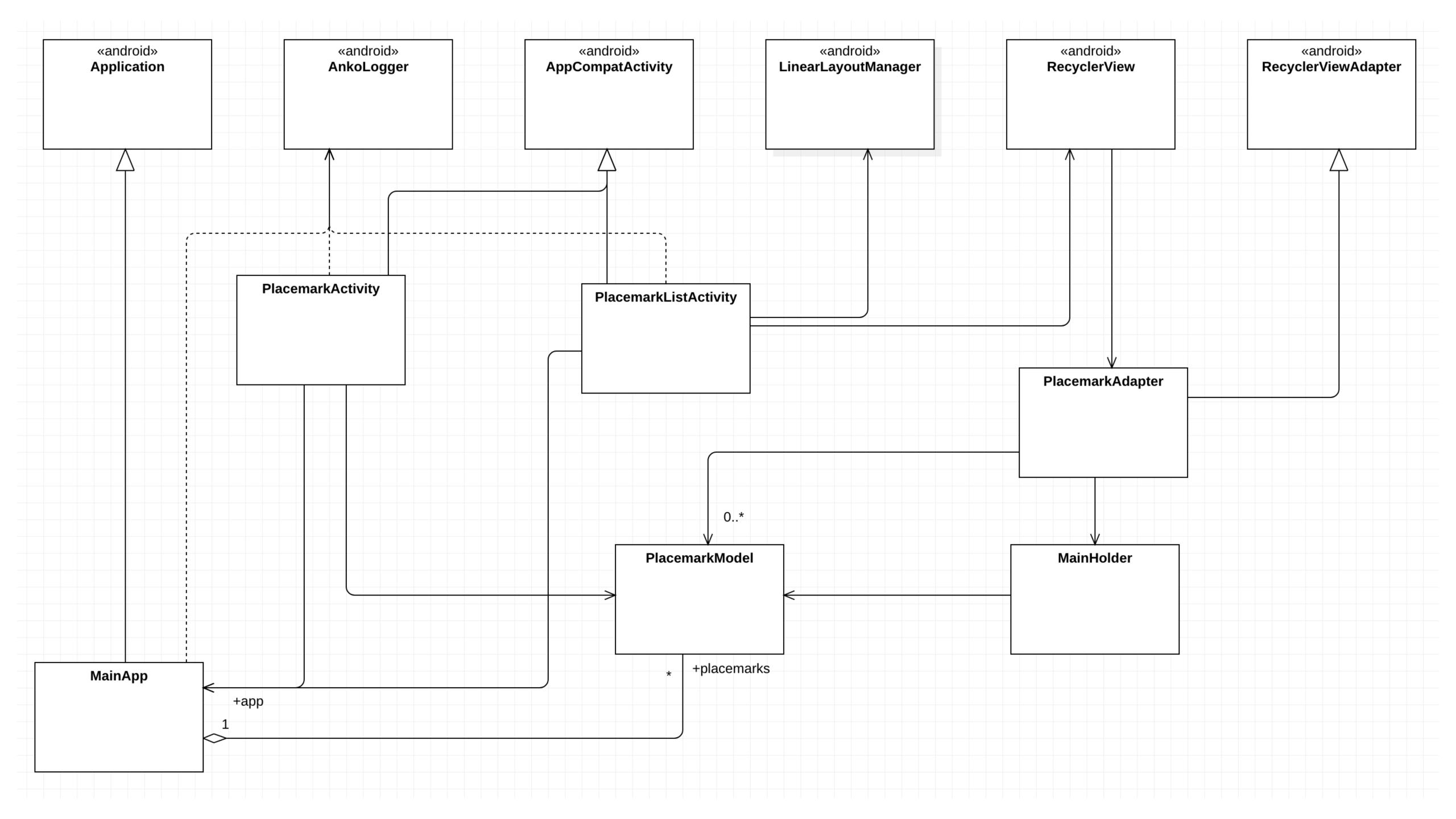
Memory Store





```
package org.wit.placemark.models
interface PlacemarkStore {
  fun findAll(): List<PlacemarkModel>
  fun create(placemark: PlacemarkModel)
}
```

Interface defining an abstract
PlacemarkStore type

PlacemarkMemStore

```
package org.wit.placemark.models
class PlacemarkMemStore : PlacemarkStore {
  val placemarks = ArrayList<PlacemarkModel>()
  override fun findAll(): List<PlacemarkModel> {
    return placemarks
  override fun create(placemark: PlacemarkModel) {
    placemarks.add(placemark)
```

Simple in-memory implementation using standard ArrayList Data Structure

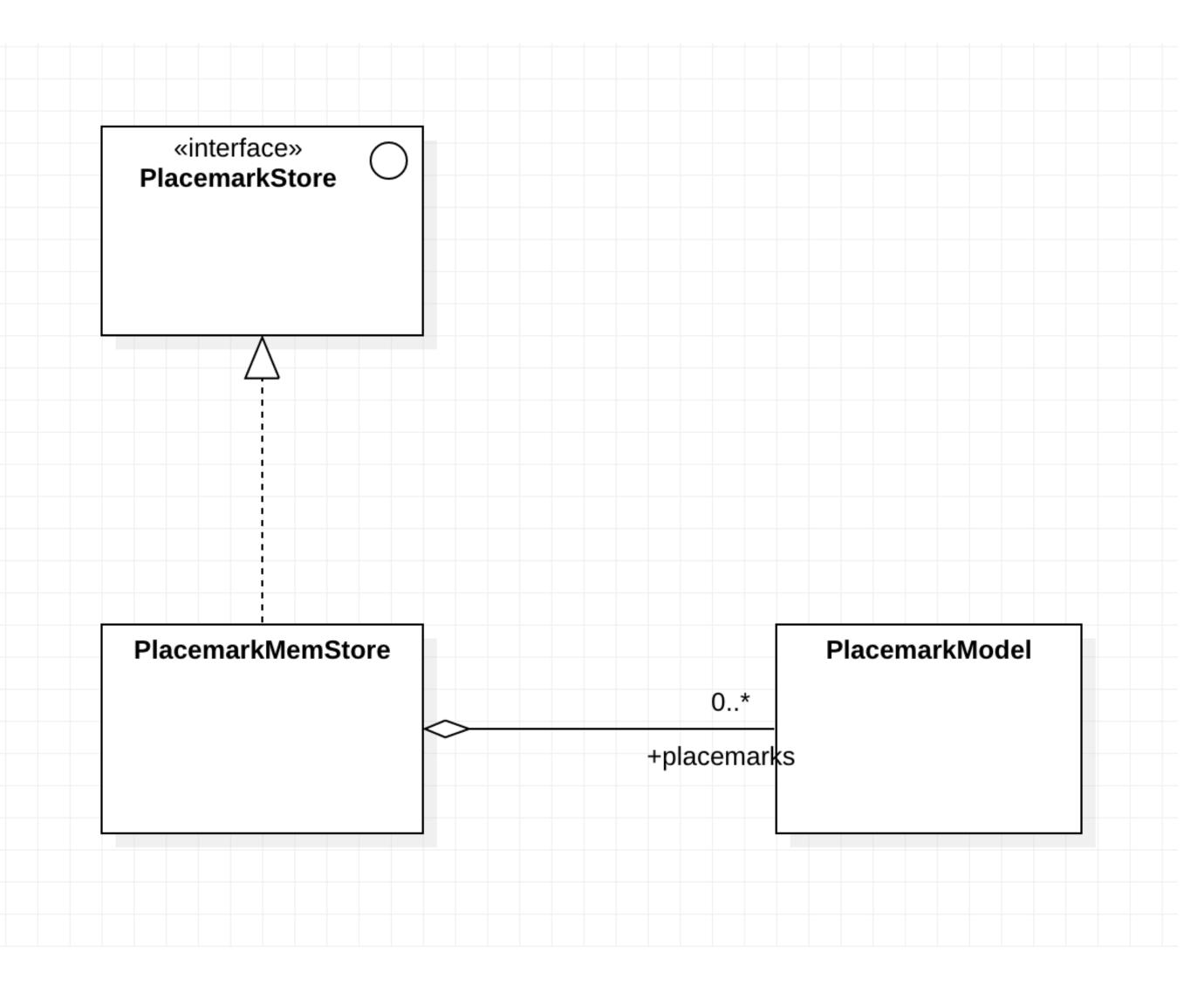
PlacemarkStore

```
package org.wit.placemark.models
interface PlacemarkStore {
  fun findAll(): List<PlacemarkModel>
  fun create(placemark: PlacemarkModel)
}
```

PlacemarkMemStore

```
package org.wit.placemark.models

class PlacemarkMemStore : PlacemarkStore {
  val placemarks = ArrayList<PlacemarkModel>()
  override fun findAll(): List<PlacemarkModel> {
    return placemarks
  }
  override fun create(placemark: PlacemarkModel) {
    placemarks.add(placemark)
  }
}
```



```
package org.wit.placemark.main
import android.app.Application
import org.jetbrains.anko.AnkoLogger
import org.jetbrains.anko.info
import org.wit.placemark.models.PlacemarkMemStore
import org.wit.placemark.models.PlacemarkModel
class MainApp : Application(), AnkoLogger {
                                                                  «interface»
                                                                PlacemarkStore
 val placemarks = PlacemarkMemStore()
 override fun onCreate() {
    super.onCreate()
    info( message: "Placemark started")
                                                                PlacemarkMemStore
                                                                                                         PlacemarkModel
                              MainApp
                                                                                                  0..*
                                                                                               +placemarks
```

PlacemarkListActivity

```
// recyclerView.adapter = PlacemarkAdapter(app.placemarks)
recyclerView.adapter = PlacemarkAdapter(app.placemarks.findAll())
```

PlacemarkActivity

```
// app.placemarks.add(placemark.copy())
app.placemarks.create(placemark.copy())
...
// app.placemarks.forEach { info("add Button Pressed: ${it}") }
app.placemarks.findAll().forEach{ info("add Button Pressed: ${it}") }
...
```

Use PlacemarkStore interface instead of directly accessing placemarks

ArrayList

